

|                                     |                                                                       |                                  |
|-------------------------------------|-----------------------------------------------------------------------|----------------------------------|
| Well Name: BLUE CHIP 14 FEDERAL COM | Well Location: T21S / R32E / SEC 11 / SWSE / 32.4885962 / -103.643151 | County or Parish/State: LEA / NM |
| Well Number: 704H                   | Type of Well: OIL WELL                                                | Allottee or Tribe Name:          |
| Lease Number: NMNM14155             | Unit or CA Name:                                                      | Unit or CA Number:               |
| US Well Number:                     | Operator: MATADOR PRODUCTION COMPANY                                  |                                  |

Notice of Intent

Sundry ID: 2894022

|                                                |                              |
|------------------------------------------------|------------------------------|
| Type of Submission: Notice of Intent           | Type of Action: APD Change   |
| Date Sundry Submitted: 02/02/2026              | Time Sundry Submitted: 03:27 |
| Date proposed operation will begin: 02/09/2026 |                              |

**Procedure Description:** BLM Bond No. NMB001079 Surety Bond No. RLB0015172 Matador request the option to amend the well design of the Blue Chip 14 Fed Com #704H and make the following changes to the current APD: - Change well SHL from 894' FSL & 1924' FEL section 11 to 889' FSL & 2004' FEL section 11 - Modify casing set depths as shown on the casing and cementing table. Cement volumes will be adjusted accordingly

NOI Attachments

Procedure Description

- Blue\_Chip\_14\_Fed\_Com\_704H\_Directional\_AC\_Report\_V2\_20260202145333.pdf
- Blue\_Chip\_14\_Fed\_Com\_704H\_Drill\_Plan\_with\_Sundry\_Info\_20260202145333.pdf
- LO\_BLUE\_CHIP\_14\_FED\_COM\_704H\_REV9\_S\_Signed.\_ARF\_20260202145333.pdf
- Blue\_Chip\_14\_Fed\_Com\_704H\_Directional\_Wall\_Plot\_V2\_20260202145333.pdf
- Blue\_Chip\_14\_Fed\_Com\_704H\_Directional\_Well\_Plan\_V2\_20260202145333.pdf

Received by OCD: 4/14/2026 9:50:10 AM

Page 2 of 173

|                                     |                                                                       |                                  |
|-------------------------------------|-----------------------------------------------------------------------|----------------------------------|
| Well Name: BLUE CHIP 14 FEDERAL COM | Well Location: T21S / R32E / SEC 11 / SWSE / 32.4885962 / -103.643151 | County or Parish/State: LEA / NM |
| Well Number: 704H                   | Type of Well: OIL WELL                                                | Allottee or Tribe Name:          |
| Lease Number: NMNM14155             | Unit or CA Name:                                                      | Unit or CA Number:               |
| US Well Number:                     | Operator: MATADOR PRODUCTION COMPANY                                  |                                  |

Conditions of Approval

Additional

BLUE\_CHIP\_14\_FEDERAL\_COM\_704H\_Sundry\_2894022\_COA\_20260217133053.pdf

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

|                                                    |                                  |
|----------------------------------------------------|----------------------------------|
| Operator Electronic Signature: ADDISON FISHER      | Signed on: FEB 02, 2026 02:53 PM |
| Name: MATADOR PRODUCTION COMPANY                   |                                  |
| Title: Surface Land                                |                                  |
| Street Address: 5400 LBJ FREEWAY STE 1500          |                                  |
| City: DALLAS                                       | State: TX                        |
| Phone: (972) 371-5236                              |                                  |
| Email address: ADDISON.FISHER@MATADORRESOURCES.COM |                                  |

Field

|                      |        |      |
|----------------------|--------|------|
| Representative Name: |        |      |
| Street Address:      |        |      |
| City:                | State: | Zip: |
| Phone:               |        |      |
| Email address:       |        |      |

BLM Point of Contact

|                                 |                                       |
|---------------------------------|---------------------------------------|
| BLM POC Name: CHRISTOPHER WALLS | BLM POC Title: Petroleum Engineer     |
| BLM POC Phone: 5752342234       | BLM POC Email Address: CWALLS@BLM.GOV |
| Disposition: Approved           | Disposition Date: 02/20/2026          |
| Signature: Chris Walls          |                                       |

Form 3160-5  
(October 2024)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0220  
Expires: October 31, 2027

**SUNDRY NOTICES AND REPORTS ON WELLS**  
***Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.***

|                                             |  |
|---------------------------------------------|--|
| 5. Lease Serial No.                         |  |
| 6. If Indian, Allottee or Tribe Name        |  |
| 7. If Unit of CA/Agreement, Name and/or No. |  |
| 8. Well Name and No.                        |  |
| 9. API Well No.                             |  |
| 10. Field and Pool or Exploratory Area      |  |
| 11. Country or Parish, State                |  |

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

|                                                                      |                                   |                                |
|----------------------------------------------------------------------|-----------------------------------|--------------------------------|
| 1. Type of Well                                                      |                                   |                                |
| <input type="checkbox"/> Oil Well                                    | <input type="checkbox"/> Gas Well | <input type="checkbox"/> Other |
| 2. Name of Operator                                                  |                                   |                                |
| 3a. Address                                                          | 3b. Phone No. (include area code) |                                |
| 4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) |                                   |                                |

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

| TYPE OF SUBMISSION                                | TYPE OF ACTION                                |                                               |                                                    |                                         |  |
|---------------------------------------------------|-----------------------------------------------|-----------------------------------------------|----------------------------------------------------|-----------------------------------------|--|
| <input type="checkbox"/> Notice of Intent         | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen               | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |  |
| <input type="checkbox"/> Subsequent Report        | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Hydraulic Fracturing | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity |  |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction     | <input type="checkbox"/> Recomplete                | <input type="checkbox"/> Other          |  |
|                                                   | <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon     | <input type="checkbox"/> Temporarily Abandon       |                                         |  |
|                                                   | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back            | <input type="checkbox"/> Water Disposal            |                                         |  |

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

|                                                                                   |       |
|-----------------------------------------------------------------------------------|-------|
| 14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) | Title |
| Signature                                                                         | Date  |

**THE SPACE FOR FEDERAL OR STATE OFFICE USE**

|                                                                                                                                                                                                                                                           |        |      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------|
| Approved by                                                                                                                                                                                                                                               | Title  | Date |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. | Office |      |

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

## GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

## SPECIFIC INSTRUCTIONS

*Item 4* - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

*Item 13*: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

## NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

**BURDEN HOURS STATEMENT:** Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

## Additional Information

### Location of Well

0. SHL: SWSE / 894 FSL / 1924 FEL / TWSP: 21S / RANGE: 32E / SECTION: 11 / LAT: 32.4885962 / LONG: -103.643151 ( TVD: 0 feet, MD: 0 feet )  
PPP: NWNE / 100 FNL / 1980 FEL / TWSP: 21S / RANGE: 32E / SECTION: 14 / LAT: 32.4858629 / LONG: -103.6433318 ( TVD: 12311 feet, MD: 12383 feet )  
PPP: NWNE / 0 FNL / 1979 FEL / TWSP: 21S / RANGE: 32E / SECTION: 23 / LAT: 32.4716398 / LONG: -103.6433386 ( TVD: 12650 feet, MD: 17696 feet )  
PPP: SWNE / 2635 FSL / 1979 FEL / TWSP: 21S / RANGE: 32E / SECTION: 14 / LAT: 32.4788818 / LONG: -103.6433352 ( TVD: 12650 feet, MD: 15061 feet )  
PPP: NWSE / 1317 FSL / 1979 FEL / TWSP: 21S / RANGE: 32E / SECTION: 14 / LAT: 32.4752608 / LONG: -103.6433369 ( TVD: 12650 feet, MD: 16379 feet )  
PPP: SWNE / 2645 FNL / 1980 FEL / TWSP: 21S / RANGE: 32E / SECTION: 23 / LAT: 32.4643708 / LONG: -103.643342 ( TVD: 12650 feet, MD: 20339 feet )  
BHL: SWSE / 110 FSL / 1980 FEL / TWSP: 21S / RANGE: 32E / SECTION: 23 / LAT: 32.4574036 / LONG: -103.6433453 ( TVD: 12650 feet, MD: 22876 feet )

CONFIDENTIAL

## PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

|                             |                               |
|-----------------------------|-------------------------------|
| <b>OPERATOR'S NAME:</b>     | MATADOR PRODUCTION COMPANY    |
| <b>WELL NAME &amp; NO.:</b> | BLUE CHIP 14 FEDERAL COM 704H |
| <b>APD ID:</b>              | 10400088478                   |
| <b>LOCATION:</b>            | Section 11, T21S, R32E. NMP.  |
| <b>COUNTY:</b>              | Lea County, New Mexico ▼      |

COA

| H <sub>2</sub> S           | <input type="radio"/> No <span style="float: right;"><input checked="" type="radio"/> Yes</span> |                                                       |                                                                    |                                                                                                                                                               |
|----------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Potash / WIPP</b>       | <input type="radio"/> None                                                                       | <input type="radio"/> Secretary                       | <input checked="" type="radio"/> R-111-Q                           | <input checked="" type="checkbox"/> Open Annulus<br>4-String Design: Open 2nd Int x Production Casing (ICP 2 above Relief Zone) <input type="checkbox"/> WIPP |
| <b>Cave / Karst</b>        | <input checked="" type="radio"/> Low                                                             | <input type="radio"/> Medium                          | <input type="radio"/> High                                         | <input type="radio"/> Critical                                                                                                                                |
| <b>Wellhead</b>            | <input type="radio"/> Conventional                                                               | <input type="radio"/> Multibowl                       | <input checked="" type="radio"/> Both                              | <input type="radio"/> Diverter                                                                                                                                |
| <b>Cementing</b>           | <input checked="" type="checkbox"/> Primary Squeeze                                              | <input type="checkbox"/> Cont. Squeeze                | <input type="checkbox"/> EchoMeter                                 | <input checked="" type="checkbox"/> DV Tool                                                                                                                   |
| <b>Special Req</b>         | <input checked="" type="checkbox"/> Capitan Reef                                                 | <input type="checkbox"/> Water Disposal               | <input checked="" type="checkbox"/> COM                            | <input type="checkbox"/> Unit                                                                                                                                 |
| <b>Waste Prev.</b>         | <input type="radio"/> Self-Certification                                                         | <input type="radio"/> Waste Min. Plan                 | <input checked="" type="radio"/> APD Submitted prior to 06/10/2024 |                                                                                                                                                               |
| <b>Additional Language</b> | <input checked="" type="checkbox"/> Flex Hose                                                    | <input type="checkbox"/> Casing Clearance             | <input type="checkbox"/> Pilot Hole                                | <input checked="" type="checkbox"/> Break Testing                                                                                                             |
|                            | <input checked="" type="checkbox"/> Four-String                                                  | <input checked="" type="checkbox"/> Offline Cementing | <input checked="" type="checkbox"/> Fluid-Filled                   |                                                                                                                                                               |

**SEE ORIGINAL COA FOR ALL OTHER REQUIREMENTS.**

*APD is within the R-111-Q defined boundary. Operator must follow all applicable procedures and requirements listed within the Order No. R-111-Q.*

### A. CASING PROGRAM

**Note:** The Surface casing set depth was adjusted per BLM geologist's recommendation.

1. The **20-inch** surface casing shall be set at approximately **1,700 ft.** (a minimum of 70 feet into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface. **If salt is encountered, set casing at least 25 ft. above the salt.**
  - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic-type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
  - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or **500 psi compressive strength**, whichever is greater. (This is to include the lead cement)
  - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after

- bringing cement to surface or 500 pounds compressive strength, whichever is greater.
- d. If cement falls back, remedial cementing will be done prior to drilling out that string.

**Note:** The Surface casing must be kept fluid-filled to meet the BLM's minimum requirement for collapse design safety factor.

2. The **13-3/8** inch 1<sup>st</sup> intermediate casing shall be set in a competent bed at approximately **3,386** ft. The minimum required fill of cement behind the **13-3/8** inch intermediate casing is:

**Option 1 (Single Stage): Cement to surface.** If cement does not circulate see B.1.a, c-d above. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to **Capitan Reef, and Potash**.

**Option 2 (Two-Stage):** The operator has proposed to utilize a DV tool. Operator may adjust depth of DV tool if needed, adjust cement volumes accordingly. The DV tool may be cancelled if cement circulates to surface on the first stage.

- a. **First stage to DV tool:** Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.
- b. **Second stage above DV tool: Cement to surface.** If cement does not circulate see B.1.a, c-d above. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to **Capitan Reef, and Potash. Excess cement for the 2<sup>nd</sup> stage is below %25. More cement might be needed.**

**Note:** The 1<sup>st</sup> Intermediate casing must be kept fluid-filled to meet the BLM's minimum requirement for collapse design safety factor.

3. The **9-5/8** inch 2<sup>nd</sup> intermediate casing shall be set in a competent bed at approximately **5,116** ft. The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:

**Option 1 (Single Stage): Cement to surface.** If cement does not circulate see B.1.a, c-d above. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to **Capitan Reef, and Potash**.

**Option 2 (Two-Stage):** The operator has proposed to utilize a DV tool. Operator may adjust depth of DV tool if needed, adjust cement volumes accordingly. The DV tool may be cancelled if cement circulates to surface on the first stage.

- a. **First stage to DV tool:** Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.
- b. **Second stage above DV tool: Cement to surface.** If cement does not circulate see B.1.a, c-d above. Wait on cement (WOC) time for a primary cement job is to include

the lead cement slurry due to **Capitan Reef, and Potash**. Excess cement for the 2<sup>nd</sup> stage is below %25. More cement might be needed.

**Note:** The 2<sup>nd</sup> Intermediate casing must be kept fluid-filled to meet the BLM's minimum requirement for collapse design safety factor.

❖ **Special Capitan Reef Requirement:** Ensure freshwater based mud is used across the Capitan interval.

4. The 7-5/8 inch 3<sup>rd</sup> intermediate casing (**P-110 EC with VAM SPRINT SF connections**) shall be set in a competent bed at approximately **12,002 ft.** (11,927 ft. TVD). The minimum required fill of cement behind the 7-5/8 inch intermediate casing is:

- Operator has proposed to cement the 3<sup>rd</sup> intermediate casing in two stages by conventionally cementing the first stage and performing a bradenhead squeeze on the second stage within 180 days after well completion in accordance with the R-111-Q guidelines.
  - a. First stage: Operator will cement 3<sup>rd</sup> intermediate casing with intent to bring cement to top of Brushy Canyon formation.
  - b. Second stage: Operator will perform bradenhead squeeze within 180 days after completion per R-111-Q requirements. Cement shall be tie-back **at least 500 ft. into the 2<sup>nd</sup> intermediate casing shoe and below the Marker Bed 126**. If cement does not circulate, the appropriate BLM office shall be notified.

❖ Operator has proposed an open annulus completion in R-111-Q. Operator shall provide a method of verification pre-completion top of cement. **Submit results to the BLM.**

❖ **Operator must verify top of cement per R-111-Q requirements.** Submit results to the BLM. If cement does not circulate, contact the appropriate BLM office. If cement does not tie-back at least 500 ft. into the previous casing shoe, the appropriate BLM office shall be notified.

❖ A monitored open annulus will be incorporated during completion by leaving the 3<sup>rd</sup> Intermediate Casing x 2<sup>nd</sup> Intermediate Casing annulus un-cemented and monitored. Operator must follow **all** monitoring requirements listed within R-111-Q. Tieback shall be met within **180 days**.

❖ **In the event of a casing failure during completion**, the operator must contact the BLM engineer at (575-706-2779) and inspection staff (575-393-3612 Lea County).

5. Operator has proposed to set **5-1/2 inch** production casing at approximately **22,884 ft.** (12,650 ft. TVD). The minimum required fill of cement behind the 5-1/2 inch production casing is:

- Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification. Operator shall use one of the approved methods for cement verification located in the **General Requirements, Section A.1.**

## **GENERAL REQUIREMENTS**

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)

### **Contact Lea County Petroleum Engineering Inspection Staff:**

Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575) 689-5981.

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
  - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
  - b. When the operator proposes to set surface casing with Spudder Rig
    - i. Notify the BLM when moving in and removing the Spudder Rig.
    - ii. Notify the BLM when moving in the 2<sup>nd</sup> Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
    - iii. BOP/BOPE test to be conducted per **43 CFR 3172** as soon as 2<sup>nd</sup> Rig is rigged up on well.
2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the doghouse or stairway area.
3. For intervals in which cement to surface is required, cement to surface should be verified with a visual check and density or pH check to differentiate cement from spacer and drilling mud. The results should be documented in the driller's log and daily reports.

### **A. CASING & CEMENTING**

1. The current acceptable methods of cement verification are as follows:
  - i. Observing cement circulated to surface,
  - ii. Cement Bond Log (CBL),
  - iii. Temperature log within 8-10 hours after completing the cement job,
  - iv. Echometer (if a second-stage bradenhead is being utilized and operator was granted approval prior to operations.)

2. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
3. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends of both lead and tail cement, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
4. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
5. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
6. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
7. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
8. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
9. Whenever a casing string is cemented in the R-111-Q potash area, the NMOCD requirements shall be followed.

## **B. PRESSURE CONTROL**

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in **43 CFR 3172**.

2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
  - i. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
  - ii. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
  - iii. Manufacturer representative shall install the test plug for the initial BOP test.
  - iv. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
  - v. If the cement does not circulate and one-inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
  - i. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
  - ii. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the

cement plug with the casing valve open. (Only applies to single stage cement jobs, prior to the cement setting up.)

- iii. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR 3172** with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for 8 hours or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
- iv. The test shall be run on a 5000-psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one-hour chart. A circular chart shall have a maximum 2-hour clock. If a twelve hour or twenty-four-hour chart is used, tester shall make a notation that it is run with a two hour clock.
- v. The results of the test shall be reported to the appropriate BLM office.
- vi. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- vii. The BOP/BOPE test shall include a low-pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- viii. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per **43 CFR 3172**.

### **C. DRILLING MUD**

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

### **D. WASTE MATERIAL AND FLUIDS**

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

**SA 02/17/2026**

# **Matador Production Company**

**Ranger/Arrowhead**

**Blue Chip**

**Blue Chip 14 Fed Com #704H**

**Wellbore #1**

**BLM Plan #1**

## **Anticollision Report**

**30 January, 2026**

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

|                              |                                                                     |                |                     |
|------------------------------|---------------------------------------------------------------------|----------------|---------------------|
| Reference                    | BLM Plan #1                                                         |                |                     |
| Filter type:                 | NO GLOBAL FILTER: Using user defined selection & filtering criteria |                |                     |
| Interpolation Method:        | Stations                                                            | Error Model:   | ISCWSA              |
| Depth Range:                 | Unlimited                                                           | Scan Method:   | Closest Approach 3D |
| Results Limited by:          | Maximum center-center distance of 10,000.0 us                       | Error Surface: | Pedal Curve         |
| Warning Levels Evaluated at: | 2.00 Sigma                                                          | Casing Method: | Not applied         |

| Survey Tool Program |           | Date                      | 1/30/2026 |                     |  |
|---------------------|-----------|---------------------------|-----------|---------------------|--|
| From (usft)         | To (usft) | Survey (Wellbore)         | Tool Name | Description         |  |
| 0.0                 | 22,884.1  | BLM Plan #1 (Wellbore #1) | MWD       | OWSG MWD - Standard |  |

| Summary                                               |                                 |                              |                                 |                                  |                   |         |
|-------------------------------------------------------|---------------------------------|------------------------------|---------------------------------|----------------------------------|-------------------|---------|
| Site Name                                             | Reference Measured Depth (usft) | Offset Measured Depth (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Separation Factor | Warning |
| Offset Well - Wellbore - Design                       |                                 |                              |                                 |                                  |                   |         |
| Big Game                                              |                                 |                              |                                 |                                  |                   |         |
| Big Bull Fed Com #305H - Wellbore #1 - BLM Plan #1    | 11,213.8                        | 16,045.3                     | 3,303.0                         | 3,165.5                          | 24.022            | CC, ES  |
| Big Bull Fed Com #305H - Wellbore #1 - BLM Plan #1    | 14,000.0                        | 17,296.7                     | 3,697.2                         | 3,537.1                          | 23.094            | SF      |
| Big Bull Fed Com #305H - Wellbore #1 - Wellbore #1    | 11,246.2                        | 16,279.3                     | 3,324.9                         | 3,186.7                          | 24.056            | CC, ES  |
| Big Bull Fed Com #305H - Wellbore #1 - Wellbore #1    | 14,000.0                        | 17,533.0                     | 3,702.8                         | 3,540.7                          | 22.838            | SF      |
| Big Bull Fed Com #602H - Wellbore #1 - BLM Plan #1    | 11,736.8                        | 16,621.6                     | 3,681.2                         | 3,539.8                          | 26.039            | CC, ES  |
| Big Bull Fed Com #602H - Wellbore #1 - BLM Plan #1    | 14,100.0                        | 17,793.2                     | 3,890.8                         | 3,720.5                          | 22.858            | SF      |
| Big Bull Fed Com #602H - Wellbore #1 - Wellbore #1    | 11,737.5                        | 16,646.6                     | 3,681.6                         | 3,540.9                          | 26.159            | CC, ES  |
| Big Bull Fed Com #602H - Wellbore #1 - Wellbore #1    | 14,100.0                        | 17,911.0                     | 3,906.0                         | 3,734.4                          | 22.765            | SF      |
| Big Moose                                             |                                 |                              |                                 |                                  |                   |         |
| Big Bull Fed Com #132H - Break Sand - Wellbore #1 - S | 11,253.1                        | 16,483.4                     | 3,667.4                         | 3,525.5                          | 25.851            | CC      |
| Big Bull Fed Com #132H - Break Sand - Wellbore #1 - S | 11,300.0                        | 16,491.2                     | 3,667.7                         | 3,525.5                          | 25.789            | ES      |
| Big Bull Fed Com #132H - Break Sand - Wellbore #1 - S | 14,400.0                        | 17,722.3                     | 4,064.7                         | 3,889.9                          | 23.251            | SF      |
| Big Bull Fed Com #132H - TBSC Shale 2-Well - Wellbore | 11,393.7                        | 16,667.0                     | 3,666.8                         | 3,523.4                          | 25.576            | CC      |
| Big Bull Fed Com #132H - TBSC Shale 2-Well - Wellbore | 11,400.0                        | 16,668.0                     | 3,666.8                         | 3,523.4                          | 25.568            | ES      |
| Big Bull Fed Com #132H - TBSC Shale 2-Well - Wellbore | 14,400.0                        | 17,883.1                     | 4,018.4                         | 3,841.6                          | 22.727            | SF      |
| Big Moose Fed Com #131H - Break Sand - Wellbore #1    | 11,229.3                        | 16,431.5                     | 3,228.9                         | 3,087.4                          | 22.825            | CC, ES  |
| Big Moose Fed Com #131H - Break Sand - Wellbore #1    | 14,200.0                        | 17,671.5                     | 3,644.5                         | 3,476.1                          | 21.640            | SF      |
| Big Moose Fed Com #131H - Break Sand 2-Well - Wellb   | 11,226.7                        | 16,407.1                     | 2,740.7                         | 2,599.7                          | 19.439            | CC, ES  |
| Big Moose Fed Com #131H - Break Sand 2-Well - Wellb   | 11,400.0                        | 16,435.6                     | 2,746.1                         | 2,604.2                          | 19.354            | SF      |
| Big Moose Fed Com #131H - TBSC Shale - Wellbore #1    | 11,389.9                        | 16,616.2                     | 3,228.2                         | 3,085.7                          | 22.656            | CC      |
| Big Moose Fed Com #131H - TBSC Shale - Wellbore #1    | 11,400.0                        | 16,617.9                     | 3,228.2                         | 3,085.6                          | 22.645            | ES      |
| Big Moose Fed Com #131H - TBSC Shale - Wellbore #1    | 14,200.0                        | 17,829.5                     | 3,582.1                         | 3,411.6                          | 21.003            | SF      |
| Big Moose Fed Com #131H - TBSC Shale 2-Well - Wellb   | 11,383.8                        | 16,591.1                     | 2,737.5                         | 2,595.1                          | 19.218            | CC      |
| Big Moose Fed Com #131H - TBSC Shale 2-Well - Wellb   | 11,400.0                        | 16,593.7                     | 2,737.6                         | 2,595.0                          | 19.204            | ES      |
| Big Moose Fed Com #131H - TBSC Shale 2-Well - Wellb   | 14,000.0                        | 17,803.1                     | 3,111.2                         | 2,947.4                          | 18.995            | SF      |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

## Summary

| Site Name<br>Offset Well - Wellbore - Design         | Reference<br>Measured<br>Depth<br>(usft) | Offset<br>Measured<br>Depth<br>(usft) | Distance<br>Between<br>Centres<br>(usft) | Distance<br>Between<br>Ellipses<br>(usft) | Separation<br>Factor | Warning             |
|------------------------------------------------------|------------------------------------------|---------------------------------------|------------------------------------------|-------------------------------------------|----------------------|---------------------|
| Blue Chip                                            |                                          |                                       |                                          |                                           |                      |                     |
| Blue Chip 14 Fed Com #501H - Wellbore #1 - BLM Plan  | 9,146.2                                  | 9,132.9                               | 1,052.9                                  | 982.4                                     | 14.936               | CC, ES              |
| Blue Chip 14 Fed Com #501H - Wellbore #1 - BLM Plan  | 9,300.0                                  | 9,218.7                               | 1,057.8                                  | 986.7                                     | 14.887               | SF                  |
| Blue Chip 14 Fed Com #502H - Wellbore #1 - Final     | 9,675.1                                  | 9,726.3                               | 1,468.9                                  | 1,396.0                                   | 20.148               | CC, ES              |
| Blue Chip 14 Fed Com #502H - Wellbore #1 - Final     | 22,000.0                                 | 22,000.0                              | 2,963.2                                  | 2,711.0                                   | 11.751               | SF                  |
| Blue Chip 14 Fed Com #503H - Wellbore #1 - BLM Plan  | 3,800.0                                  | 3,800.0                               | 34.9                                     | 8.1                                       | 1.303                | Level 3, CC         |
| Blue Chip 14 Fed Com #503H - Wellbore #1 - BLM Plan  | 4,200.0                                  | 4,201.0                               | 36.3                                     | 6.8                                       | 1.229                | Level 2, ES, SF     |
| Blue Chip 14 Fed Com #504H - Wellbore #1 - Final     | 4,544.9                                  | 4,544.9                               | 132.8                                    | 100.6                                     | 4.133                | CC, ES              |
| Blue Chip 14 Fed Com #504H - Wellbore #1 - Final     | 4,600.0                                  | 4,598.7                               | 133.4                                    | 101.0                                     | 4.107                | SF                  |
| Blue Chip 14 Fed Com #511H - Wellbore #1 - BLM Plan  | 10,114.0                                 | 10,106.3                              | 1,089.2                                  | 1,012.8                                   | 14.246               | CC, ES              |
| Blue Chip 14 Fed Com #511H - Wellbore #1 - BLM Plan  | 22,884.1                                 | 20,667.6                              | 2,454.4                                  | 2,237.4                                   | 11.310               | SF                  |
| Blue Chip 14 Fed Com #511H - Wellbore #1 - BLM Plan  | 12,260.1                                 | 12,288.7                              | 671.9                                    | 579.8                                     | 7.299                | CC                  |
| Blue Chip 14 Fed Com #511H - Wellbore #1 - BLM Plan  | 22,884.1                                 | 23,115.6                              | 752.0                                    | 376.9                                     | 2.005                | ES, SF              |
| Blue Chip 14 Fed Com #513H - Wellbore #1 - Final     | 1,609.2                                  | 1,609.3                               | 108.8                                    | 98.0                                      | 10.009               | CC                  |
| Blue Chip 14 Fed Com #513H - Wellbore #1 - Final     | 4,700.0                                  | 4,698.1                               | 113.5                                    | 80.7                                      | 3.463                | ES                  |
| Blue Chip 14 Fed Com #513H - Wellbore #1 - Final     | 5,700.0                                  | 5,695.7                               | 134.9                                    | 95.1                                      | 3.383                | SF                  |
| Blue Chip 14 Fed Com #522H - Wellbore #1 - Final     | 10,385.6                                 | 10,484.0                              | 1,130.7                                  | 1,052.0                                   | 14.381               | CC                  |
| Blue Chip 14 Fed Com #522H - Wellbore #1 - Final     | 10,400.0                                 | 10,491.0                              | 1,130.7                                  | 1,052.0                                   | 14.371               | ES                  |
| Blue Chip 14 Fed Com #522H - Wellbore #1 - Final     | 22,884.1                                 | 21,055.7                              | 2,084.5                                  | 1,844.8                                   | 8.697                | SF                  |
| Blue Chip 14 Fed Com #524H - Wellbore #1 - Final     | 4,526.8                                  | 4,522.7                               | 179.3                                    | 147.7                                     | 5.664                | CC, ES              |
| Blue Chip 14 Fed Com #524H - Wellbore #1 - Final     | 10,319.2                                 | 10,310.9                              | 270.6                                    | 197.3                                     | 3.691                | SF                  |
| Blue Chip 14 Fed Com #551H - Wellbore #1 - Final     | 10,921.0                                 | 10,958.3                              | 1,432.0                                  | 1,350.1                                   | 17.491               | CC, ES              |
| Blue Chip 14 Fed Com #551H - Wellbore #1 - Final     | 22,884.1                                 | 21,588.0                              | 1,918.2                                  | 1,599.9                                   | 6.026                | SF                  |
| Blue Chip 14 Fed Com #553H - Wellbore #1 - Final     | 1,666.5                                  | 1,666.5                               | 86.4                                     | 74.9                                      | 7.530                | CC                  |
| Blue Chip 14 Fed Com #553H - Wellbore #1 - Final     | 4,600.0                                  | 4,598.1                               | 104.7                                    | 72.4                                      | 3.238                | ES                  |
| Blue Chip 14 Fed Com #553H - Wellbore #1 - Final     | 4,700.0                                  | 4,697.6                               | 106.8                                    | 73.8                                      | 3.233                | SF                  |
| Blue Chip 14 Fed Com #601H - Wellbore #1 - Final     | 11,159.8                                 | 11,199.0                              | 1,008.0                                  | 923.6                                     | 11.946               | CC                  |
| Blue Chip 14 Fed Com #601H - Wellbore #1 - Final     | 11,200.0                                 | 11,227.4                              | 1,008.2                                  | 923.6                                     | 11.910               | ES                  |
| Blue Chip 14 Fed Com #601H - Wellbore #1 - Final     | 22,884.1                                 | 21,830.3                              | 1,304.4                                  | 979.3                                     | 4.013                | SF                  |
| Blue Chip 14 Fed Com #603H - Wellbore #1 - Final     | 7,460.6                                  | 7,474.9                               | 55.2                                     | 3.0                                       | 1.058                | Level 2, CC, ES, SF |
| Blue Chip 14 Fed Com #702H - Wellbore #1 - BLM Plan  | 12,154.9                                 | 12,161.2                              | 1,270.1                                  | 1,179.9                                   | 14.095               | CC                  |
| Blue Chip 14 Fed Com #702H - Wellbore #1 - BLM Plan  | 22,884.1                                 | 22,976.7                              | 1,320.1                                  | 932.8                                     | 3.409                | ES, SF              |
| Hat Mesa                                             |                                          |                                       |                                          |                                           |                      |                     |
| Hat Mesa #1 - Wellbore #1 - Wellbore #1              | 14,411.1                                 | 12,688.9                              | 1,307.3                                  | 971.0                                     | 3.888                | CC, ES              |
| Hat Mesa #1 - Wellbore #1 - Wellbore #1              | 14,500.0                                 | 12,688.9                              | 1,310.3                                  | 973.0                                     | 3.885                | SF                  |
| Offset Ranger Wells                                  |                                          |                                       |                                          |                                           |                      |                     |
| Aztec 14 23 3BS Federal Com #002H - Wellbore #1 - We | 11,523.7                                 | 11,518.6                              | 1,717.4                                  | 1,635.2                                   | 20.884               | CC                  |
| Aztec 14 23 3BS Federal Com #002H - Wellbore #1 - We | 22,884.1                                 | 22,161.1                              | 1,867.8                                  | 1,515.6                                   | 5.303                | ES, SF              |

| Offset Design      Big Game - Big Bull Fed Com #305H - Wellbore #1 - BLM Plan #1 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: |         | 0.0 usft |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|---------|----------|
| Survey Program: 0-MWD                                                            |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: |         | 0.0 usft |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               | Distance              |                                     |              |                        |                         |                           |                    | Warning |          |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |         |          |
| 0.0                                                                              | 0.0                   | 0.0                   | 0.0                   | 0.0              | 0.0           | 42.05                 | 4,538.3                             | 4,093.8      | 6,112.5                |                         |                           |                    |         |          |
| 100.0                                                                            | 100.0                 | 17.0                  | 17.0                  | 0.1              | 0.0           | 42.05                 | 4,538.3                             | 4,093.8      | 6,111.9                | 6,111.7                 | 0.15                      | N/A                |         |          |
| 200.0                                                                            | 200.0                 | 117.0                 | 117.0                 | 0.5              | 0.2           | 42.05                 | 4,538.3                             | 4,093.8      | 6,111.9                | 6,111.2                 | 0.68                      | 9,045.017          |         |          |
| 300.0                                                                            | 300.0                 | 217.0                 | 217.0                 | 0.8              | 0.5           | 42.05                 | 4,538.3                             | 4,093.8      | 6,111.9                | 6,110.5                 | 1.39                      | 4,388.639          |         |          |
| 400.0                                                                            | 400.0                 | 317.0                 | 317.0                 | 1.2              | 0.9           | 42.05                 | 4,538.3                             | 4,093.8      | 6,111.9                | 6,109.8                 | 2.11                      | 2,897.173          |         |          |
| 500.0                                                                            | 500.0                 | 417.0                 | 417.0                 | 1.6              | 1.3           | 42.05                 | 4,538.3                             | 4,093.8      | 6,111.9                | 6,109.1                 | 2.83                      | 2,162.316          |         |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design          |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-MWMD |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference              |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)  | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 600.0                  | 600.0                 | 517.0                 | 517.0                 | 1.9              | 1.6           | 42.05                 | 4,538.3                             | 4,093.8      | 6,111.9                | 6,108.3                 | 3.54                      | 1,724.822          |          |
| 700.0                  | 700.0                 | 617.0                 | 617.0                 | 2.3              | 2.0           | 42.05                 | 4,538.3                             | 4,093.8      | 6,111.9                | 6,107.6                 | 4.26                      | 1,434.570          |          |
| 800.0                  | 800.0                 | 717.0                 | 717.0                 | 2.6              | 2.3           | 42.05                 | 4,538.3                             | 4,093.8      | 6,111.9                | 6,106.9                 | 4.98                      | 1,227.934          |          |
| 900.0                  | 900.0                 | 817.0                 | 817.0                 | 3.0              | 2.7           | 42.05                 | 4,538.3                             | 4,093.8      | 6,111.9                | 6,106.2                 | 5.69                      | 1,073.331          |          |
| 1,000.0                | 1,000.0               | 917.0                 | 917.0                 | 3.4              | 3.1           | 42.05                 | 4,538.3                             | 4,093.8      | 6,111.9                | 6,105.5                 | 6.41                      | 953.305            |          |
| 1,100.0                | 1,100.0               | 1,017.0               | 1,017.0               | 3.7              | 3.4           | 42.05                 | 4,538.3                             | 4,093.8      | 6,111.9                | 6,104.8                 | 7.13                      | 857.423            |          |
| 1,200.0                | 1,200.0               | 1,117.0               | 1,117.0               | 4.1              | 3.8           | 42.05                 | 4,538.3                             | 4,093.8      | 6,111.9                | 6,104.0                 | 7.85                      | 779.066            |          |
| 1,300.0                | 1,300.0               | 1,217.0               | 1,217.0               | 4.4              | 4.1           | 42.05                 | 4,538.3                             | 4,093.8      | 6,111.9                | 6,103.3                 | 8.56                      | 713.831            |          |
| 1,400.0                | 1,400.0               | 1,317.0               | 1,317.0               | 4.8              | 4.5           | 42.05                 | 4,538.3                             | 4,093.8      | 6,111.9                | 6,102.6                 | 9.28                      | 658.677            |          |
| 1,500.0                | 1,500.0               | 1,417.0               | 1,417.0               | 5.1              | 4.8           | 42.05                 | 4,538.3                             | 4,093.8      | 6,111.9                | 6,101.9                 | 10.00                     | 611.435            |          |
| 1,600.0                | 1,600.0               | 1,600.0               | 1,560.5               | 5.5              | 5.5           | 42.05                 | 4,538.2                             | 4,093.2      | 6,111.6                | 6,100.6                 | 11.00                     | 555.628            |          |
| 1,700.0                | 1,700.0               | 1,700.0               | 2,266.2               | 5.9              | 5.8           | 41.77                 | 4,527.1                             | 4,043.3      | 6,104.5                | 6,092.9                 | 11.60                     | 526.272            |          |
| 1,800.0                | 1,800.0               | 2,411.0               | 2,407.3               | 6.2              | 8.4           | 41.66                 | 4,522.8                             | 4,024.3      | 6,093.2                | 6,078.7                 | 14.48                     | 420.802            |          |
| 1,900.0                | 1,900.0               | 2,510.0               | 2,505.4               | 6.6              | 8.7           | 41.59                 | 4,519.8                             | 4,010.8      | 6,081.9                | 6,066.7                 | 15.19                     | 400.299            |          |
| 2,000.0                | 2,000.0               | 2,609.0               | 2,603.4               | 6.9              | 9.1           | 41.51                 | 4,516.8                             | 3,997.4      | 6,070.6                | 6,054.7                 | 15.91                     | 381.583            |          |
| 2,100.0                | 2,100.0               | 2,708.0               | 2,701.5               | 7.3              | 9.5           | 41.43                 | 4,513.8                             | 3,983.9      | 6,059.3                | 6,042.6                 | 16.63                     | 364.423            |          |
| 2,200.0                | 2,200.0               | 2,807.1               | 2,799.5               | 7.7              | 9.9           | 41.35                 | 4,510.8                             | 3,970.5      | 6,048.0                | 6,030.6                 | 17.35                     | 348.650            |          |
| 2,300.0                | 2,300.0               | 2,906.1               | 2,897.6               | 8.0              | 10.3          | 41.28                 | 4,507.8                             | 3,957.0      | 6,036.7                | 6,018.6                 | 18.07                     | 334.103            |          |
| 2,400.0                | 2,400.0               | 3,005.1               | 2,995.7               | 8.4              | 10.7          | 41.20                 | 4,504.8                             | 3,943.5      | 6,025.4                | 6,006.6                 | 18.79                     | 320.649            |          |
| 2,500.0                | 2,500.0               | 3,104.2               | 3,093.7               | 8.7              | 11.1          | 41.12                 | 4,501.8                             | 3,930.1      | 6,014.2                | 5,994.7                 | 19.52                     | 308.167            |          |
| 2,600.0                | 2,600.0               | 3,203.2               | 3,191.8               | 9.1              | 11.5          | 41.04                 | 4,498.9                             | 3,916.6      | 6,002.9                | 5,982.7                 | 20.24                     | 296.562            |          |
| 2,700.0                | 2,700.0               | 3,302.2               | 3,289.9               | 9.4              | 11.9          | 40.96                 | 4,495.9                             | 3,903.2      | 5,991.7                | 5,970.7                 | 20.97                     | 285.745            |          |
| 2,800.0                | 2,800.0               | 3,401.2               | 3,387.9               | 9.8              | 12.3          | 40.88                 | 4,492.9                             | 3,889.7      | 5,980.5                | 5,958.8                 | 21.70                     | 275.639            |          |
| 2,900.0                | 2,900.0               | 3,500.3               | 3,486.0               | 10.2             | 12.7          | 40.81                 | 4,489.9                             | 3,876.3      | 5,969.3                | 5,946.8                 | 22.43                     | 266.178            |          |
| 3,000.0                | 3,000.0               | 3,600.7               | 3,584.0               | 10.5             | 13.1          | 40.73                 | 4,486.9                             | 3,862.8      | 5,958.1                | 5,934.9                 | 23.16                     | 257.244            |          |
| 3,100.0                | 3,100.0               | 3,698.3               | 3,682.1               | 10.9             | 13.5          | 40.65                 | 4,483.9                             | 3,849.4      | 5,946.9                | 5,923.0                 | 23.89                     | 248.963            |          |
| 3,200.0                | 3,200.0               | 3,802.7               | 3,780.2               | 11.2             | 13.9          | 40.57                 | 4,480.9                             | 3,835.9      | 5,935.7                | 5,911.0                 | 24.64                     | 240.913            |          |
| 3,300.0                | 3,300.0               | 3,903.6               | 3,878.2               | 11.6             | 14.3          | 40.49                 | 4,477.9                             | 3,822.5      | 5,924.5                | 5,899.1                 | 25.38                     | 233.450            |          |
| 3,400.0                | 3,400.0               | 3,995.4               | 3,976.3               | 12.0             | 14.7          | 40.40                 | 4,474.9                             | 3,809.0      | 5,913.4                | 5,887.3                 | 26.08                     | 226.708            |          |
| 3,500.0                | 3,500.0               | 4,105.6               | 4,074.4               | 12.3             | 15.1          | 40.32                 | 4,471.9                             | 3,795.6      | 5,902.2                | 5,875.4                 | 26.86                     | 219.742            |          |
| 3,600.0                | 3,600.0               | 4,206.5               | 4,172.4               | 12.7             | 15.5          | 40.24                 | 4,468.9                             | 3,782.1      | 5,891.1                | 5,863.5                 | 27.60                     | 213.433            |          |
| 3,700.0                | 3,700.0               | 4,292.5               | 4,270.5               | 13.0             | 15.9          | 40.16                 | 4,465.9                             | 3,768.7      | 5,880.0                | 5,851.7                 | 28.29                     | 207.871            |          |
| 3,800.0                | 3,800.0               | 4,408.5               | 4,368.6               | 13.4             | 16.4          | 40.08                 | 4,462.9                             | 3,755.2      | 5,868.9                | 5,839.8                 | 29.09                     | 201.769            |          |
| 3,900.0                | 3,900.0               | 4,509.7               | 4,466.4               | 13.7             | 16.8          | -50.21                | 4,459.9                             | 3,741.8      | 5,856.7                | 5,826.8                 | 29.82                     | 196.380            |          |
| 4,000.0                | 3,999.8               | 4,588.4               | 4,563.6               | 14.1             | 17.1          | -50.55                | 4,456.9                             | 3,728.5      | 5,842.2                | 5,811.8                 | 30.47                     | 191.766            |          |
| 4,100.0                | 4,099.6               | 4,686.3               | 4,660.5               | 14.4             | 17.5          | -50.69                | 4,454.0                             | 3,715.2      | 5,826.8                | 5,795.6                 | 31.18                     | 186.861            |          |
| 4,200.0                | 4,199.4               | 4,784.1               | 4,757.4               | 14.8             | 17.9          | -50.82                | 4,451.0                             | 3,701.9      | 5,811.3                | 5,779.4                 | 31.90                     | 182.171            |          |
| 4,300.0                | 4,299.1               | 4,882.0               | 4,854.2               | 15.1             | 18.3          | -50.96                | 4,448.0                             | 3,688.6      | 5,795.9                | 5,763.3                 | 32.62                     | 177.678            |          |
| 4,400.0                | 4,398.9               | 4,979.8               | 4,951.1               | 15.5             | 18.7          | -51.10                | 4,445.1                             | 3,675.3      | 5,780.6                | 5,747.2                 | 33.34                     | 173.371            |          |
| 4,500.0                | 4,498.6               | 5,077.6               | 5,048.0               | 15.8             | 19.1          | -51.23                | 4,442.1                             | 3,662.0      | 5,765.2                | 5,731.2                 | 34.07                     | 169.240            |          |
| 4,600.0                | 4,598.5               | 5,175.7               | 5,145.1               | 16.2             | 19.6          | -51.19                | 4,439.1                             | 3,648.7      | 5,750.7                | 5,715.9                 | 34.79                     | 165.297            |          |
| 4,700.0                | 4,698.4               | 5,274.3               | 5,242.8               | 16.5             | 20.0          | -51.15                | 4,436.2                             | 3,635.3      | 5,737.9                | 5,702.4                 | 35.52                     | 161.554            |          |
| 4,766.7                | 4,765.1               | 5,340.2               | 5,308.0               | 16.8             | 20.2          | 38.88                 | 4,434.2                             | 3,626.3      | 5,730.2                | 5,694.2                 | 36.01                     | 159.150            |          |
| 4,800.0                | 4,798.4               | 5,373.2               | 5,340.7               | 16.9             | 20.4          | 38.85                 | 4,433.2                             | 3,621.9      | 5,726.6                | 5,690.3                 | 36.25                     | 157.968            |          |
| 4,900.0                | 4,898.4               | 5,472.3               | 5,438.8               | 17.2             | 20.8          | 38.76                 | 4,430.2                             | 3,608.4      | 5,715.7                | 5,678.7                 | 36.99                     | 154.513            |          |
| 5,000.0                | 4,998.4               | 5,571.3               | 5,536.9               | 17.6             | 21.2          | 38.68                 | 4,427.2                             | 3,595.0      | 5,704.8                | 5,667.0                 | 37.73                     | 151.193            |          |
| 5,100.0                | 5,098.4               | 5,670.3               | 5,634.9               | 17.9             | 21.6          | 38.59                 | 4,424.2                             | 3,581.5      | 5,693.9                | 5,655.4                 | 38.47                     | 147.999            |          |
| 5,200.0                | 5,198.4               | 5,769.3               | 5,733.0               | 18.3             | 22.0          | 38.50                 | 4,421.2                             | 3,568.1      | 5,683.0                | 5,643.8                 | 39.21                     | 144.925            |          |
| 5,300.0                | 5,298.4               | 5,868.4               | 5,831.1               | 18.7             | 22.4          | 38.41                 | 4,418.2                             | 3,554.6      | 5,672.2                | 5,632.2                 | 39.95                     | 141.964            |          |
| 5,400.0                | 5,398.4               | 5,967.4               | 5,929.1               | 19.0             | 22.9          | 38.32                 | 4,415.2                             | 3,541.2      | 5,661.3                | 5,620.6                 | 40.70                     | 139.110            |          |
| 5,500.0                | 5,498.4               | 6,066.4               | 6,027.2               | 19.4             | 23.3          | 38.24                 | 4,412.2                             | 3,527.7      | 5,650.5                | 5,609.0                 | 41.44                     | 136.357            |          |
| 5,600.0                | 5,598.4               | 6,165.5               | 6,125.2               | 19.7             | 23.7          | 38.15                 | 4,409.2                             | 3,514.2      | 5,639.7                | 5,597.5                 | 42.18                     | 133.701            |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design          |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 0-MWMD |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
| Reference              |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   |                    | Warning  |
| Measured Depth (usft)  | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 5,700.0                | 5,698.4               | 6,264.5               | 6,223.3               | 20.1             | 24.1          | 38.06                 | 4,406.2                             | 3,500.8      | 5,628.8                | 5,585.9                 | 42.92                     | 131.135           |                    |          |
| 5,766.7                | 5,765.1               | 6,330.5               | 6,288.7               | 20.3             | 24.4          | 38.00                 | 4,404.2                             | 3,491.8      | 5,621.7                | 5,578.2                 | 43.42                     | 129.473           |                    |          |
| 5,800.0                | 5,798.4               | 6,363.5               | 6,321.4               | 20.4             | 24.5          | -140.40               | 4,403.2                             | 3,487.3      | 5,618.2                | 5,574.5                 | 43.66                     | 128.675           |                    |          |
| 5,900.0                | 5,898.4               | 6,462.6               | 6,419.5               | 20.8             | 24.9          | -140.62               | 4,400.2                             | 3,473.9      | 5,609.7                | 5,565.3                 | 44.38                     | 126.413           |                    |          |
| 6,000.0                | 5,998.1               | 6,561.6               | 6,517.5               | 21.1             | 25.3          | -140.82               | 4,397.2                             | 3,460.4      | 5,603.8                | 5,558.7                 | 45.09                     | 124.275           |                    |          |
| 6,100.0                | 6,097.7               | 6,660.4               | 6,615.3               | 21.4             | 25.8          | -141.02               | 4,394.2                             | 3,447.0      | 5,600.7                | 5,554.9                 | 45.81                     | 122.258           |                    |          |
| 6,161.9                | 6,159.1               | 6,721.4               | 6,675.8               | 21.6             | 26.0          | -141.13               | 4,392.3                             | 3,438.7      | 5,600.2                | 5,554.0                 | 46.26                     | 121.067           |                    |          |
| 6,200.0                | 6,196.8               | 6,758.8               | 6,712.9               | 21.8             | 26.2          | -141.19               | 4,391.2                             | 3,433.6      | 5,600.4                | 5,553.9                 | 46.53                     | 120.358           |                    |          |
| 6,229.5                | 6,225.9               | 6,787.8               | 6,741.5               | 21.8             | 26.3          | -141.24               | 4,390.3                             | 3,429.7      | 5,600.8                | 5,554.1                 | 46.74                     | 119.819           |                    |          |
| 6,300.0                | 6,295.5               | 6,857.0               | 6,810.1               | 22.1             | 26.6          | -141.38               | 4,388.2                             | 3,420.3      | 5,602.2                | 5,554.9                 | 47.25                     | 118.556           |                    |          |
| 6,400.0                | 6,394.2               | 6,955.2               | 6,907.3               | 22.4             | 27.0          | -141.57               | 4,385.3                             | 3,407.0      | 5,604.1                | 5,556.2                 | 47.98                     | 116.805           |                    |          |
| 6,500.0                | 6,492.9               | 7,053.3               | 7,004.5               | 22.7             | 27.4          | -141.76               | 4,382.3                             | 3,393.6      | 5,606.2                | 5,557.5                 | 48.71                     | 115.102           |                    |          |
| 6,600.0                | 6,591.6               | 7,135.7               | 7,086.0               | 23.1             | 27.8          | -141.92               | 4,379.8                             | 3,382.5      | 5,608.3                | 5,558.9                 | 49.38                     | 113.568           |                    |          |
| 6,700.0                | 6,690.3               | 15,319.4              | 11,050.0              | 23.4             | 86.2          | -100.90               | -92.2                               | 3,374.1      | 5,546.0                | 5,469.7                 | 76.24                     | 72.742            |                    |          |
| 6,800.0                | 6,789.0               | 15,335.5              | 11,050.0              | 23.8             | 86.5          | -100.64               | -108.2                              | 3,374.2      | 5,467.0                | 5,389.7                 | 77.34                     | 70.687            |                    |          |
| 6,900.0                | 6,887.7               | 15,351.6              | 11,050.0              | 24.1             | 86.7          | -100.38               | -124.3                              | 3,374.3      | 5,388.7                | 5,310.2                 | 78.47                     | 68.676            |                    |          |
| 7,000.0                | 6,986.4               | 15,367.6              | 11,050.0              | 24.5             | 86.9          | -100.11               | -140.4                              | 3,374.4      | 5,311.1                | 5,231.4                 | 79.62                     | 66.706            |                    |          |
| 7,100.0                | 7,085.1               | 15,383.7              | 11,050.0              | 24.8             | 87.2          | -99.85                | -156.5                              | 3,374.5      | 5,234.1                | 5,153.3                 | 80.80                     | 64.780            |                    |          |
| 7,200.0                | 7,183.8               | 15,400.2              | 11,050.0              | 25.2             | 87.4          | -99.58                | -172.6                              | 3,374.6      | 5,157.9                | 5,075.9                 | 82.01                     | 62.894            |                    |          |
| 7,300.0                | 7,282.5               | 15,415.9              | 11,050.0              | 25.6             | 87.7          | -99.32                | -188.6                              | 3,374.7      | 5,082.5                | 4,999.3                 | 83.24                     | 61.057            |                    |          |
| 7,400.0                | 7,381.2               | 15,432.0              | 11,050.0              | 25.9             | 87.9          | -99.05                | -204.7                              | 3,374.8      | 5,007.9                | 4,923.4                 | 84.51                     | 59.261            |                    |          |
| 7,500.0                | 7,479.8               | 15,448.0              | 11,050.0              | 26.3             | 88.1          | -98.78                | -220.8                              | 3,374.9      | 4,934.2                | 4,848.4                 | 85.80                     | 57.509            |                    |          |
| 7,600.0                | 7,578.5               | 15,464.1              | 11,050.0              | 26.7             | 88.4          | -98.52                | -236.9                              | 3,375.0      | 4,861.3                | 4,774.2                 | 87.12                     | 55.800            |                    |          |
| 7,700.0                | 7,677.2               | 15,480.2              | 11,050.0              | 27.0             | 88.6          | -98.25                | -253.0                              | 3,375.1      | 4,789.3                | 4,700.9                 | 88.47                     | 54.136            |                    |          |
| 7,800.0                | 7,775.9               | 15,503.7              | 11,050.0              | 27.4             | 88.9          | -97.98                | -269.0                              | 3,375.2      | 4,718.4                | 4,628.4                 | 89.93                     | 52.466            |                    |          |
| 7,900.0                | 7,874.6               | 15,512.4              | 11,050.0              | 27.8             | 89.1          | -97.71                | -285.1                              | 3,375.3      | 4,648.4                | 4,557.1                 | 91.25                     | 50.941            |                    |          |
| 8,000.0                | 7,973.3               | 15,528.5              | 11,050.0              | 28.2             | 89.3          | -97.44                | -301.2                              | 3,375.4      | 4,579.5                | 4,486.8                 | 92.68                     | 49.411            |                    |          |
| 8,100.0                | 8,072.0               | 15,544.5              | 11,050.0              | 28.6             | 89.6          | -97.17                | -317.3                              | 3,375.5      | 4,511.7                | 4,417.5                 | 94.14                     | 47.925            |                    |          |
| 8,200.0                | 8,170.7               | 15,560.6              | 11,050.0              | 28.9             | 89.8          | -96.91                | -333.4                              | 3,375.6      | 4,445.0                | 4,349.4                 | 95.63                     | 46.484            |                    |          |
| 8,300.0                | 8,269.4               | 15,576.7              | 11,050.0              | 29.3             | 90.0          | -96.64                | -349.4                              | 3,375.7      | 4,379.6                | 4,282.5                 | 97.14                     | 45.088            |                    |          |
| 8,400.0                | 8,368.1               | 15,607.2              | 11,050.0              | 29.7             | 90.5          | -96.37                | -365.5                              | 3,375.8      | 4,315.4                | 4,216.6                 | 98.85                     | 43.658            |                    |          |
| 8,500.0                | 8,466.8               | 15,608.9              | 11,050.0              | 30.1             | 90.5          | -96.09                | -381.6                              | 3,375.9      | 4,252.6                | 4,152.4                 | 100.22                    | 42.431            |                    |          |
| 8,600.0                | 8,565.5               | 15,624.9              | 11,050.0              | 30.5             | 90.7          | -95.82                | -397.7                              | 3,376.0      | 4,191.1                | 4,089.3                 | 101.80                    | 41.170            |                    |          |
| 8,700.0                | 8,664.2               | 15,641.0              | 11,050.0              | 30.9             | 91.0          | -95.55                | -413.8                              | 3,376.1      | 4,131.1                | 4,027.7                 | 103.40                    | 39.954            |                    |          |
| 8,800.0                | 8,762.9               | 15,657.1              | 11,050.0              | 31.3             | 91.2          | -95.28                | -429.8                              | 3,376.2      | 4,072.6                | 3,967.6                 | 105.01                    | 38.783            |                    |          |
| 8,900.0                | 8,861.6               | 15,673.2              | 11,050.0              | 31.7             | 91.5          | -95.01                | -445.9                              | 3,376.3      | 4,015.7                | 3,909.0                 | 106.63                    | 37.658            |                    |          |
| 9,000.0                | 8,960.3               | 15,689.3              | 11,050.0              | 32.1             | 91.7          | -94.74                | -462.0                              | 3,376.4      | 3,960.4                | 3,852.1                 | 108.27                    | 36.578            |                    |          |
| 9,100.0                | 9,059.0               | 15,705.3              | 11,050.0              | 32.5             | 91.9          | -94.47                | -478.1                              | 3,376.5      | 3,906.8                | 3,796.8                 | 109.92                    | 35.543            |                    |          |
| 9,200.0                | 9,157.7               | 15,721.4              | 11,050.0              | 32.9             | 92.2          | -94.19                | -494.2                              | 3,376.6      | 3,855.0                | 3,743.4                 | 111.56                    | 34.554            |                    |          |
| 9,300.0                | 9,256.4               | 15,737.5              | 11,050.0              | 33.3             | 92.4          | -93.92                | -510.3                              | 3,376.7      | 3,805.0                | 3,691.8                 | 113.21                    | 33.609            |                    |          |
| 9,400.0                | 9,355.1               | 15,753.6              | 11,050.0              | 33.7             | 92.7          | -93.65                | -526.3                              | 3,376.8      | 3,757.0                | 3,642.1                 | 114.86                    | 32.709            |                    |          |
| 9,500.0                | 9,453.8               | 15,769.7              | 11,050.0              | 34.1             | 92.9          | -93.37                | -542.4                              | 3,376.9      | 3,711.0                | 3,594.5                 | 116.50                    | 31.855            |                    |          |
| 9,600.0                | 9,552.5               | 15,785.7              | 11,050.0              | 34.5             | 93.1          | -93.10                | -558.5                              | 3,377.0      | 3,667.0                | 3,548.9                 | 118.12                    | 31.045            |                    |          |
| 9,700.0                | 9,651.2               | 15,801.8              | 11,050.0              | 34.9             | 93.4          | -92.83                | -574.6                              | 3,377.1      | 3,625.3                | 3,505.5                 | 119.72                    | 30.281            |                    |          |
| 9,800.0                | 9,749.9               | 15,817.9              | 11,050.0              | 35.3             | 93.6          | -92.55                | -590.7                              | 3,377.2      | 3,585.7                | 3,464.4                 | 121.30                    | 29.560            |                    |          |
| 9,900.0                | 9,848.6               | 15,834.0              | 11,050.0              | 35.7             | 93.9          | -92.28                | -606.7                              | 3,377.3      | 3,548.5                | 3,425.6                 | 122.85                    | 28.885            |                    |          |
| 10,000.0               | 9,947.3               | 15,850.1              | 11,050.0              | 36.1             | 94.1          | -92.00                | -622.8                              | 3,377.4      | 3,513.6                | 3,389.2                 | 124.36                    | 28.253            |                    |          |
| 10,100.0               | 10,046.0              | 15,866.1              | 11,050.0              | 36.5             | 94.3          | -91.73                | -638.9                              | 3,377.5      | 3,481.2                | 3,355.3                 | 125.83                    | 27.666            |                    |          |
| 10,200.0               | 10,144.7              | 15,882.2              | 11,050.0              | 36.9             | 94.6          | -91.45                | -655.0                              | 3,377.6      | 3,451.3                | 3,324.0                 | 127.25                    | 27.122            |                    |          |
| 10,300.0               | 10,243.4              | 15,901.7              | 11,050.0              | 37.3             | 94.9          | -91.18                | -671.1                              | 3,377.7      | 3,424.0                | 3,295.3                 | 128.66                    | 26.612            |                    |          |
| 10,400.0               | 10,342.1              | 15,914.4              | 11,050.0              | 37.7             | 95.1          | -90.90                | -687.1                              | 3,377.8      | 3,399.3                | 3,269.4                 | 129.91                    | 26.166            |                    |          |
| 10,500.0               | 10,440.8              | 15,930.5              | 11,050.0              | 38.1             | 95.3          | -90.63                | -703.2                              | 3,377.9      | 3,377.3                | 3,246.2                 | 131.14                    | 25.753            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design          |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 0-MWMD |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
| Reference              |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   |                    | Warning  |
| Measured Depth (usft)  | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 10,600.0               | 10,539.5              | 15,946.6              | 11,050.0              | 38.5             | 95.5          | -90.35                | -719.3                              | 3,378.0      | 3,358.1                | 3,225.8                 | 132.30                    | 25.382            |                    |          |
| 10,700.0               | 10,638.2              | 15,962.6              | 11,050.0              | 39.0             | 95.8          | -90.08                | -735.4                              | 3,378.1      | 3,341.7                | 3,208.4                 | 133.38                    | 25.054            |                    |          |
| 10,800.0               | 10,736.9              | 15,978.7              | 11,050.0              | 39.4             | 96.0          | -89.80                | -751.5                              | 3,378.2      | 3,328.2                | 3,193.8                 | 134.37                    | 24.768            |                    |          |
| 10,900.0               | 10,835.6              | 16,005.2              | 11,050.0              | 39.8             | 96.4          | -89.53                | -767.5                              | 3,378.3      | 3,317.5                | 3,182.1                 | 135.44                    | 24.495            |                    |          |
| 11,000.0               | 10,934.3              | 16,010.9              | 11,050.0              | 40.2             | 96.5          | -89.25                | -783.6                              | 3,378.4      | 3,309.8                | 3,173.7                 | 136.09                    | 24.320            |                    |          |
| 11,100.0               | 11,033.0              | 16,027.0              | 11,050.0              | 40.6             | 96.8          | -88.98                | -799.7                              | 3,378.5      | 3,304.9                | 3,168.1                 | 136.81                    | 24.158            |                    |          |
| 11,200.0               | 11,131.7              | 16,043.0              | 11,050.0              | 41.0             | 97.0          | -88.70                | -815.8                              | 3,378.6      | 3,303.1                | 3,165.6                 | 137.42                    | 24.036            |                    |          |
| 11,213.8               | 11,145.3              | 16,045.3              | 11,050.0              | 41.1             | 97.0          | -88.67                | -818.0                              | 3,378.6      | 3,303.0                | 3,165.5                 | 137.50                    | 24.022            | CC, ES             |          |
| 11,300.0               | 11,230.4              | 16,059.1              | 11,050.0              | 41.4             | 97.2          | -88.43                | -831.9                              | 3,378.7      | 3,304.1                | 3,166.2                 | 137.94                    | 23.953            |                    |          |
| 11,400.0               | 11,329.1              | 16,075.2              | 11,050.0              | 41.9             | 97.5          | -88.15                | -847.9                              | 3,378.8      | 3,308.1                | 3,169.8                 | 138.36                    | 23.910            |                    |          |
| 11,500.0               | 11,427.8              | 16,108.7              | 11,050.0              | 42.3             | 98.0          | -87.88                | -864.0                              | 3,378.9      | 3,315.1                | 3,176.1                 | 138.94                    | 23.860            |                    |          |
| 11,535.3               | 11,462.6              | 16,103.0              | 11,050.0              | 42.4             | 97.9          | -87.78                | -869.7                              | 3,379.0      | 3,318.2                | 3,179.4                 | 138.86                    | 23.897            |                    |          |
| 11,600.0               | 11,526.5              | 16,106.8              | 11,050.0              | 42.7             | 98.0          | -87.71                | -879.6                              | 3,379.0      | 3,325.0                | 3,186.1                 | 138.88                    | 23.941            |                    |          |
| 11,700.0               | 11,625.7              | 16,119.9              | 11,050.0              | 43.1             | 98.2          | -87.68                | -892.7                              | 3,379.1      | 3,337.9                | 3,198.9                 | 138.94                    | 24.023            |                    |          |
| 11,800.0               | 11,725.1              | 16,130.4              | 11,050.0              | 43.5             | 98.3          | -87.74                | -903.2                              | 3,379.2      | 3,353.7                | 3,214.9                 | 138.86                    | 24.153            |                    |          |
| 11,900.0               | 11,824.8              | 16,138.3              | 11,050.0              | 43.9             | 98.4          | -87.89                | -911.1                              | 3,379.2      | 3,372.6                | 3,234.0                 | 138.62                    | 24.330            |                    |          |
| 12,000.0               | 11,924.7              | 16,143.6              | 11,050.0              | 44.2             | 98.5          | -88.14                | -916.4                              | 3,379.3      | 3,394.4                | 3,256.1                 | 138.25                    | 24.553            |                    |          |
| 12,100.0               | 12,024.6              | 16,146.3              | 11,050.0              | 44.6             | 98.6          | -88.47                | -919.1                              | 3,379.3      | 3,419.0                | 3,281.3                 | 137.74                    | 24.823            |                    |          |
| 12,152.4               | 12,077.0              | 16,146.7              | 11,050.0              | 44.7             | 98.6          | -89.64                | -919.4                              | 3,379.3      | 3,433.0                | 3,295.6                 | 137.42                    | 24.983            |                    |          |
| 12,200.0               | 12,124.6              | 16,148.6              | 11,050.0              | 44.9             | 98.6          | -92.87                | -921.4                              | 3,379.3      | 3,446.6                | 3,309.4                 | 137.14                    | 25.131            |                    |          |
| 12,250.0               | 12,174.2              | 16,154.9              | 11,050.0              | 45.1             | 98.7          | -91.18                | -927.7                              | 3,379.3      | 3,461.6                | 3,324.7                 | 136.93                    | 25.281            |                    |          |
| 12,300.0               | 12,223.0              | 16,165.5              | 11,050.0              | 45.3             | 98.9          | -89.34                | -938.3                              | 3,379.4      | 3,477.4                | 3,340.6                 | 136.79                    | 25.421            |                    |          |
| 12,350.0               | 12,270.7              | 16,180.3              | 11,050.0              | 45.6             | 99.1          | -87.37                | -953.1                              | 3,379.5      | 3,493.7                | 3,356.9                 | 136.73                    | 25.552            |                    |          |
| 12,400.0               | 12,317.0              | 16,200.8              | 11,050.0              | 45.8             | 99.4          | -85.31                | -972.0                              | 3,379.6      | 3,510.3                | 3,373.6                 | 136.77                    | 25.666            |                    |          |
| 12,450.0               | 12,361.4              | 16,222.0              | 11,050.0              | 46.1             | 99.7          | -83.18                | -994.8                              | 3,379.8      | 3,527.2                | 3,390.3                 | 136.85                    | 25.774            |                    |          |
| 12,500.0               | 12,403.7              | 16,248.6              | 11,050.0              | 46.4             | 100.1         | -81.04                | -1,021.4                            | 3,379.9      | 3,544.0                | 3,407.0                 | 137.04                    | 25.861            |                    |          |
| 12,550.0               | 12,443.5              | 16,278.8              | 11,050.0              | 46.7             | 100.6         | -78.91                | -1,051.6                            | 3,380.1      | 3,560.6                | 3,423.3                 | 137.32                    | 25.930            |                    |          |
| 12,600.0               | 12,480.5              | 16,312.3              | 11,050.0              | 47.1             | 101.1         | -76.85                | -1,085.1                            | 3,380.3      | 3,576.7                | 3,439.0                 | 137.68                    | 25.978            |                    |          |
| 12,650.0               | 12,514.4              | 16,349.0              | 11,050.0              | 47.4             | 101.6         | -74.88                | -1,121.7                            | 3,380.5      | 3,592.2                | 3,454.0                 | 138.13                    | 26.006            |                    |          |
| 12,700.0               | 12,545.0              | 16,388.4              | 11,050.0              | 47.8             | 102.2         | -73.04                | -1,161.1                            | 3,380.8      | 3,606.8                | 3,468.1                 | 138.67                    | 26.010            |                    |          |
| 12,750.0               | 12,572.0              | 16,430.3              | 11,050.0              | 48.1             | 102.9         | -71.36                | -1,203.0                            | 3,381.1      | 3,620.3                | 3,481.0                 | 139.29                    | 25.991            |                    |          |
| 12,800.0               | 12,595.3              | 16,474.4              | 11,050.0              | 48.5             | 103.5         | -69.86                | -1,247.1                            | 3,381.3      | 3,632.7                | 3,492.7                 | 140.00                    | 25.947            |                    |          |
| 12,850.0               | 12,614.6              | 16,520.4              | 11,050.0              | 48.9             | 104.2         | -68.56                | -1,293.1                            | 3,381.6      | 3,643.7                | 3,502.9                 | 140.80                    | 25.879            |                    |          |
| 12,900.0               | 12,629.8              | 16,567.9              | 11,050.0              | 49.3             | 105.0         | -67.47                | -1,340.6                            | 3,381.9      | 3,653.2                | 3,511.5                 | 141.67                    | 25.787            |                    |          |
| 12,950.0               | 12,640.8              | 16,616.5              | 11,050.0              | 49.7             | 105.7         | -66.60                | -1,389.2                            | 3,382.2      | 3,661.0                | 3,518.4                 | 142.61                    | 25.671            |                    |          |
| 13,000.0               | 12,647.6              | 16,665.9              | 11,050.0              | 50.1             | 106.5         | -65.96                | -1,438.6                            | 3,382.5      | 3,667.2                | 3,523.6                 | 143.63                    | 25.532            |                    |          |
| 13,052.4               | 12,650.0              | 16,718.0              | 11,050.0              | 50.5             | 107.3         | -65.54                | -1,490.7                            | 3,382.9      | 3,671.8                | 3,527.0                 | 144.76                    | 25.364            |                    |          |
| 13,100.0               | 12,650.0              | 16,765.5              | 11,050.0              | 50.9             | 108.0         | -65.58                | -1,538.3                            | 3,383.2      | 3,674.7                | 3,528.8                 | 145.83                    | 25.199            |                    |          |
| 13,200.0               | 12,650.0              | 16,865.4              | 11,050.0              | 51.8             | 109.5         | -65.64                | -1,638.2                            | 3,383.8      | 3,678.4                | 3,530.3                 | 148.08                    | 24.841            |                    |          |
| 13,267.5               | 12,650.0              | 16,933.0              | 11,050.0              | 52.4             | 110.6         | -65.65                | -1,705.7                            | 3,384.2      | 3,679.1                | 3,529.5                 | 149.61                    | 24.592            |                    |          |
| 13,300.0               | 12,650.0              | 16,965.4              | 11,050.0              | 52.7             | 111.1         | -65.65                | -1,738.2                            | 3,384.4      | 3,679.1                | 3,528.8                 | 150.35                    | 24.471            |                    |          |
| 13,400.0               | 12,650.0              | 17,065.4              | 11,050.0              | 53.6             | 112.6         | -65.65                | -1,838.2                            | 3,385.0      | 3,679.1                | 3,526.5                 | 152.65                    | 24.101            |                    |          |
| 13,500.0               | 12,650.0              | 17,165.4              | 11,050.0              | 54.6             | 114.2         | -65.65                | -1,938.2                            | 3,385.7      | 3,679.1                | 3,524.2                 | 154.99                    | 23.738            |                    |          |
| 13,600.0               | 12,650.0              | 17,283.1              | 11,050.0              | 55.6             | 116.0         | -65.65                | -2,055.8                            | 3,386.0      | 3,678.8                | 3,521.1                 | 157.67                    | 23.332            |                    |          |
| 13,630.9               | 12,650.0              | 17,296.7              | 11,050.0              | 55.9             | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 3,678.7                | 3,520.6                 | 158.11                    | 23.267            |                    |          |
| 13,700.0               | 12,650.0              | 17,296.7              | 11,050.0              | 56.6             | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 3,679.3                | 3,520.8                 | 158.53                    | 23.209            |                    |          |
| 13,800.0               | 12,650.0              | 17,296.7              | 11,050.0              | 57.6             | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 3,682.6                | 3,523.5                 | 159.11                    | 23.145            |                    |          |
| 13,900.0               | 12,650.0              | 17,296.7              | 11,050.0              | 58.7             | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 3,688.5                | 3,528.9                 | 159.63                    | 23.107            |                    |          |
| 14,000.0               | 12,650.0              | 17,296.7              | 11,050.0              | 59.8             | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 3,697.2                | 3,537.1                 | 160.09                    | 23.094            | SF                 |          |
| 14,100.0               | 12,650.0              | 17,296.7              | 11,050.0              | 61.0             | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 3,708.5                | 3,548.0                 | 160.49                    | 23.107            |                    |          |
| 14,200.0               | 12,650.0              | 17,296.7              | 11,050.0              | 62.1             | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 3,722.5                | 3,561.6                 | 160.84                    | 23.144            |                    |          |
| 14,300.0               | 12,650.0              | 17,296.7              | 11,050.0              | 63.3             | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 3,739.1                | 3,577.9                 | 161.12                    | 23.207            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design          |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 0-MWMD |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
| Reference              |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   | Warning            |          |
| Measured Depth (usft)  | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 14,400.0               | 12,650.0              | 17,296.7              | 11,050.0              | 64.5             | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 3,758.2                | 3,596.9                 | 161.34                    | 23.294            |                    |          |
| 14,500.0               | 12,650.0              | 17,296.7              | 11,050.0              | 65.7             | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 3,780.0                | 3,618.5                 | 161.50                    | 23.406            |                    |          |
| 14,600.0               | 12,650.0              | 17,296.7              | 11,050.0              | 67.0             | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 3,804.2                | 3,642.6                 | 161.59                    | 23.542            |                    |          |
| 14,700.0               | 12,650.0              | 17,296.7              | 11,050.0              | 68.2             | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 3,830.9                | 3,669.3                 | 161.63                    | 23.702            |                    |          |
| 14,800.0               | 12,650.0              | 17,296.7              | 11,050.0              | 69.5             | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 3,860.0                | 3,698.4                 | 161.60                    | 23.886            |                    |          |
| 14,900.0               | 12,650.0              | 17,296.7              | 11,050.0              | 70.8             | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 3,891.5                | 3,729.9                 | 161.52                    | 24.093            |                    |          |
| 15,000.0               | 12,650.0              | 17,296.7              | 11,050.0              | 72.1             | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 3,925.2                | 3,763.8                 | 161.39                    | 24.322            |                    |          |
| 15,100.0               | 12,650.0              | 17,296.7              | 11,050.0              | 73.4             | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 3,961.2                | 3,800.0                 | 161.20                    | 24.574            |                    |          |
| 15,200.0               | 12,650.0              | 17,296.7              | 11,050.0              | 74.8             | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 3,999.4                | 3,838.4                 | 160.96                    | 24.847            |                    |          |
| 15,300.0               | 12,650.0              | 17,296.7              | 11,050.0              | 76.1             | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 4,039.6                | 3,879.0                 | 160.67                    | 25.142            |                    |          |
| 15,400.0               | 12,650.0              | 17,296.7              | 11,050.0              | 77.5             | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 4,082.0                | 3,921.6                 | 160.34                    | 25.458            |                    |          |
| 15,500.0               | 12,650.0              | 17,296.7              | 11,050.0              | 78.8             | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 4,126.3                | 3,966.3                 | 159.98                    | 25.793            |                    |          |
| 15,600.0               | 12,650.0              | 17,296.7              | 11,050.0              | 80.2             | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 4,172.6                | 4,013.0                 | 159.57                    | 26.149            |                    |          |
| 15,700.0               | 12,650.0              | 17,296.7              | 11,050.0              | 81.6             | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 4,220.7                | 4,061.5                 | 159.13                    | 26.523            |                    |          |
| 15,800.0               | 12,650.0              | 17,296.7              | 11,050.0              | 83.0             | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 4,270.6                | 4,111.9                 | 158.66                    | 26.916            |                    |          |
| 15,900.0               | 12,650.0              | 17,296.7              | 11,050.0              | 84.4             | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 4,322.2                | 4,164.1                 | 158.17                    | 27.327            |                    |          |
| 16,000.0               | 12,650.0              | 17,296.7              | 11,050.0              | 85.9             | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 4,375.6                | 4,217.9                 | 157.65                    | 27.755            |                    |          |
| 16,100.0               | 12,650.0              | 17,296.7              | 11,050.0              | 87.3             | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 4,430.5                | 4,273.4                 | 157.11                    | 28.201            |                    |          |
| 16,200.0               | 12,650.0              | 17,296.7              | 11,050.0              | 88.7             | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 4,487.0                | 4,330.5                 | 156.55                    | 28.662            |                    |          |
| 16,300.0               | 12,650.0              | 17,296.7              | 11,050.0              | 90.2             | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 4,545.0                | 4,389.0                 | 155.97                    | 29.140            |                    |          |
| 16,400.0               | 12,650.0              | 17,296.7              | 11,050.0              | 91.6             | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 4,604.4                | 4,449.0                 | 155.38                    | 29.632            |                    |          |
| 16,500.0               | 12,650.0              | 17,296.7              | 11,050.0              | 93.1             | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 4,665.3                | 4,510.5                 | 154.79                    | 30.140            |                    |          |
| 16,600.0               | 12,650.0              | 17,296.7              | 11,050.0              | 94.5             | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 4,727.4                | 4,573.2                 | 154.18                    | 30.662            |                    |          |
| 16,700.0               | 12,650.0              | 17,296.7              | 11,050.0              | 96.0             | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 4,790.9                | 4,637.3                 | 153.57                    | 31.197            |                    |          |
| 16,800.0               | 12,650.0              | 17,296.7              | 11,050.0              | 97.5             | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 4,855.5                | 4,702.6                 | 152.95                    | 31.746            |                    |          |
| 16,900.0               | 12,650.0              | 17,296.7              | 11,050.0              | 99.0             | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 4,921.4                | 4,769.0                 | 152.33                    | 32.307            |                    |          |
| 17,000.0               | 12,650.0              | 17,296.7              | 11,050.0              | 100.5            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 4,988.4                | 4,836.7                 | 151.71                    | 32.881            |                    |          |
| 17,100.0               | 12,650.0              | 17,296.7              | 11,050.0              | 101.9            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 5,056.4                | 4,905.4                 | 151.09                    | 33.467            |                    |          |
| 17,200.0               | 12,650.0              | 17,296.7              | 11,050.0              | 103.4            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 5,125.6                | 4,975.1                 | 150.47                    | 34.064            |                    |          |
| 17,300.0               | 12,650.0              | 17,296.7              | 11,050.0              | 104.9            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 5,195.7                | 5,045.8                 | 149.86                    | 34.671            |                    |          |
| 17,400.0               | 12,650.0              | 17,296.7              | 11,050.0              | 106.5            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 5,266.8                | 5,117.5                 | 149.24                    | 35.290            |                    |          |
| 17,500.0               | 12,650.0              | 17,296.7              | 11,050.0              | 108.0            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 5,338.8                | 5,190.2                 | 148.64                    | 35.918            |                    |          |
| 17,600.0               | 12,650.0              | 17,296.7              | 11,050.0              | 109.5            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 5,411.7                | 5,263.7                 | 148.04                    | 36.556            |                    |          |
| 17,700.0               | 12,650.0              | 17,296.7              | 11,050.0              | 111.0            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 5,485.5                | 5,338.0                 | 147.45                    | 37.203            |                    |          |
| 17,800.0               | 12,650.0              | 17,296.7              | 11,050.0              | 112.5            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 5,560.1                | 5,413.2                 | 146.86                    | 37.859            |                    |          |
| 17,900.0               | 12,650.0              | 17,296.7              | 11,050.0              | 114.1            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 5,635.4                | 5,489.2                 | 146.29                    | 38.523            |                    |          |
| 18,000.0               | 12,650.0              | 17,296.7              | 11,050.0              | 115.6            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 5,711.6                | 5,565.8                 | 145.72                    | 39.196            |                    |          |
| 18,100.0               | 12,650.0              | 17,296.7              | 11,050.0              | 117.1            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 5,788.4                | 5,643.3                 | 145.16                    | 39.876            |                    |          |
| 18,200.0               | 12,650.0              | 17,296.7              | 11,050.0              | 118.7            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 5,866.0                | 5,721.4                 | 144.61                    | 40.563            |                    |          |
| 18,300.0               | 12,650.0              | 17,296.7              | 11,050.0              | 120.2            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 5,944.2                | 5,800.1                 | 144.07                    | 41.258            |                    |          |
| 18,400.0               | 12,650.0              | 17,296.7              | 11,050.0              | 121.8            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 6,023.1                | 5,879.5                 | 143.55                    | 41.959            |                    |          |
| 18,500.0               | 12,650.0              | 17,296.7              | 11,050.0              | 123.3            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 6,102.5                | 5,959.5                 | 143.03                    | 42.667            |                    |          |
| 18,600.0               | 12,650.0              | 17,296.7              | 11,050.0              | 124.9            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 6,182.6                | 6,040.1                 | 142.52                    | 43.381            |                    |          |
| 18,700.0               | 12,650.0              | 17,296.7              | 11,050.0              | 126.4            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 6,263.3                | 6,121.3                 | 142.02                    | 44.100            |                    |          |
| 18,800.0               | 12,650.0              | 17,296.7              | 11,050.0              | 128.0            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 6,344.5                | 6,203.0                 | 141.54                    | 44.825            |                    |          |
| 18,900.0               | 12,650.0              | 17,296.7              | 11,050.0              | 129.5            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 6,426.2                | 6,285.2                 | 141.06                    | 45.555            |                    |          |
| 19,000.0               | 12,650.0              | 17,296.7              | 11,050.0              | 131.1            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 6,508.5                | 6,367.9                 | 140.60                    | 46.291            |                    |          |
| 19,100.0               | 12,650.0              | 17,296.7              | 11,050.0              | 132.6            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 6,591.2                | 6,451.1                 | 140.15                    | 47.030            |                    |          |
| 19,200.0               | 12,650.0              | 17,296.7              | 11,050.0              | 134.2            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 6,674.4                | 6,534.7                 | 139.71                    | 47.775            |                    |          |
| 19,300.0               | 12,650.0              | 17,296.7              | 11,050.0              | 135.8            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 6,758.1                | 6,618.8                 | 139.27                    | 48.523            |                    |          |
| 19,400.0               | 12,650.0              | 17,296.7              | 11,050.0              | 137.3            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 6,842.2                | 6,703.3                 | 138.85                    | 49.276            |                    |          |
| 19,500.0               | 12,650.0              | 17,296.7              | 11,050.0              | 138.9            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 6,926.7                | 6,788.3                 | 138.44                    | 50.032            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design         |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 0-MWD |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
| Reference             |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   | Warning            |          |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 19,600.0              | 12,650.0              | 17,296.7              | 11,050.0              | 140.5            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 7,011.6                | 6,873.6                 | 138.05                    | 50.792            |                    |          |
| 19,700.0              | 12,650.0              | 17,296.7              | 11,050.0              | 142.1            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 7,097.0                | 6,959.3                 | 137.66                    | 51.555            |                    |          |
| 19,800.0              | 12,650.0              | 17,296.7              | 11,050.0              | 143.6            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 7,182.7                | 7,045.4                 | 137.28                    | 52.322            |                    |          |
| 19,900.0              | 12,650.0              | 17,296.7              | 11,050.0              | 145.2            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 7,268.7                | 7,131.8                 | 136.91                    | 53.091            |                    |          |
| 20,000.0              | 12,650.0              | 17,296.7              | 11,050.0              | 146.8            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 7,355.2                | 7,218.6                 | 136.55                    | 53.863            |                    |          |
| 20,100.0              | 12,650.0              | 17,296.7              | 11,050.0              | 148.4            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 7,441.9                | 7,305.7                 | 136.20                    | 54.638            |                    |          |
| 20,200.0              | 12,650.0              | 17,296.7              | 11,050.0              | 150.0            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 7,529.0                | 7,393.2                 | 135.87                    | 55.415            |                    |          |
| 20,300.0              | 12,650.0              | 17,296.7              | 11,050.0              | 151.6            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 7,616.4                | 7,480.9                 | 135.54                    | 56.194            |                    |          |
| 20,400.0              | 12,650.0              | 17,296.7              | 11,050.0              | 153.2            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 7,704.1                | 7,568.9                 | 135.22                    | 56.975            |                    |          |
| 20,500.0              | 12,650.0              | 17,296.7              | 11,050.0              | 154.7            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 7,792.1                | 7,657.2                 | 134.91                    | 57.759            |                    |          |
| 20,600.0              | 12,650.0              | 17,296.7              | 11,050.0              | 156.3            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 7,880.4                | 7,745.8                 | 134.61                    | 58.544            |                    |          |
| 20,700.0              | 12,650.0              | 17,296.7              | 11,050.0              | 157.9            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 7,969.0                | 7,834.7                 | 134.32                    | 59.330            |                    |          |
| 20,800.0              | 12,650.0              | 17,296.7              | 11,050.0              | 159.5            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 8,057.9                | 7,923.8                 | 134.03                    | 60.119            |                    |          |
| 20,900.0              | 12,650.0              | 17,296.7              | 11,050.0              | 161.1            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 8,147.0                | 8,013.2                 | 133.76                    | 60.908            |                    |          |
| 21,000.0              | 12,650.0              | 17,296.7              | 11,050.0              | 162.7            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 8,236.3                | 8,102.8                 | 133.49                    | 61.699            |                    |          |
| 21,100.0              | 12,650.0              | 17,296.7              | 11,050.0              | 164.3            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 8,325.9                | 8,192.7                 | 133.23                    | 62.491            |                    |          |
| 21,200.0              | 12,650.0              | 17,296.7              | 11,050.0              | 165.9            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 8,415.7                | 8,282.7                 | 132.98                    | 63.284            |                    |          |
| 21,300.0              | 12,650.0              | 17,296.7              | 11,050.0              | 167.5            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 8,505.8                | 8,373.0                 | 132.74                    | 64.078            |                    |          |
| 21,400.0              | 12,650.0              | 17,296.7              | 11,050.0              | 169.1            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 8,596.0                | 8,463.5                 | 132.51                    | 64.873            |                    |          |
| 21,500.0              | 12,650.0              | 17,296.7              | 11,050.0              | 170.7            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 8,686.5                | 8,554.3                 | 132.28                    | 65.668            |                    |          |
| 21,600.0              | 12,650.0              | 17,296.7              | 11,050.0              | 172.3            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 8,777.2                | 8,645.2                 | 132.06                    | 66.464            |                    |          |
| 21,700.0              | 12,650.0              | 17,296.7              | 11,050.0              | 173.9            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 8,868.1                | 8,736.3                 | 131.85                    | 67.260            |                    |          |
| 21,800.0              | 12,650.0              | 17,296.7              | 11,050.0              | 175.5            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 8,959.2                | 8,827.6                 | 131.64                    | 68.057            |                    |          |
| 21,900.0              | 12,650.0              | 17,296.7              | 11,050.0              | 177.1            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 9,050.5                | 8,919.0                 | 131.44                    | 68.854            |                    |          |
| 22,000.0              | 12,650.0              | 17,296.7              | 11,050.0              | 178.7            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 9,141.9                | 9,010.7                 | 131.25                    | 69.651            |                    |          |
| 22,100.0              | 12,650.0              | 17,296.7              | 11,050.0              | 180.3            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 9,233.6                | 9,102.5                 | 131.07                    | 70.449            |                    |          |
| 22,200.0              | 12,650.0              | 17,296.7              | 11,050.0              | 182.0            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 9,325.4                | 9,194.5                 | 130.89                    | 71.247            |                    |          |
| 22,300.0              | 12,650.0              | 17,296.7              | 11,050.0              | 183.6            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 9,417.3                | 9,286.6                 | 130.72                    | 72.044            |                    |          |
| 22,400.0              | 12,650.0              | 17,296.7              | 11,050.0              | 185.2            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 9,509.5                | 9,378.9                 | 130.55                    | 72.842            |                    |          |
| 22,500.0              | 12,650.0              | 17,296.7              | 11,050.0              | 186.8            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 9,601.8                | 9,471.4                 | 130.39                    | 73.639            |                    |          |
| 22,600.0              | 12,650.0              | 17,296.7              | 11,050.0              | 188.4            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 9,694.2                | 9,564.0                 | 130.24                    | 74.436            |                    |          |
| 22,700.0              | 12,650.0              | 17,296.7              | 11,050.0              | 190.0            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 9,786.8                | 9,656.7                 | 130.09                    | 75.233            |                    |          |
| 22,800.0              | 12,650.0              | 17,296.7              | 11,050.0              | 191.6            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 9,879.5                | 9,749.6                 | 129.94                    | 76.029            |                    |          |
| 22,884.1              | 12,650.0              | 17,296.7              | 11,050.0              | 193.0            | 116.2         | -65.65                | -2,069.4                            | 3,386.0      | 9,957.7                | 9,827.8                 | 129.83                    | 76.699            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|-------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 187-MWD |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference               |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)   | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 0.0                     | 0.0                   | 0.0                   | 0.0                   | 0.0              | 0.0           | 42.05                 | 4,538.3                             | 4,093.8      | 6,112.5                |                         |                           |                    |          |
| 100.0                   | 100.0                 | 25.2                  | 25.2                  | 0.1              | 0.0           | 42.05                 | 4,538.3                             | 4,093.8      | 6,111.9                | 6,111.7                 | 0.17                      | N/A                |          |
| 200.0                   | 200.0                 | 173.6                 | 173.6                 | 0.5              | 0.3           | 42.06                 | 4,536.9                             | 4,094.1      | 6,111.3                | 6,110.6                 | 0.75                      | 8,113.003          |          |
| 300.0                   | 300.0                 | 291.8                 | 291.8                 | 0.8              | 0.7           | 42.09                 | 4,534.6                             | 4,095.2      | 6,110.5                | 6,109.0                 | 1.51                      | 4,047.055          |          |
| 400.0                   | 400.0                 | 431.4                 | 431.3                 | 1.2              | 1.2           | 42.11                 | 4,530.8                             | 4,095.9      | 6,108.8                | 6,106.4                 | 2.37                      | 2,574.339          |          |
| 500.0                   | 500.0                 | 521.6                 | 521.5                 | 1.6              | 1.5           | 42.14                 | 4,528.0                             | 4,096.5      | 6,107.0                | 6,103.9                 | 3.06                      | 1,998.446          |          |
| 600.0                   | 600.0                 | 597.6                 | 597.4                 | 1.9              | 1.8           | 42.16                 | 4,525.6                             | 4,097.4      | 6,105.5                | 6,101.8                 | 3.69                      | 1,655.491          |          |
| 700.0                   | 700.0                 | 666.4                 | 666.2                 | 2.3              | 2.0           | 42.18                 | 4,523.6                             | 4,098.6      | 6,104.4                | 6,100.1                 | 4.30                      | 1,421.267          |          |
| 800.0                   | 800.0                 | 752.5                 | 752.2                 | 2.6              | 2.3           | 42.20                 | 4,521.5                             | 4,100.0      | 6,103.7                | 6,098.8                 | 4.96                      | 1,229.594          |          |
| 900.0                   | 900.0                 | 878.7                 | 878.4                 | 3.0              | 2.8           | 42.20                 | 4,520.6                             | 4,099.6      | 6,102.9                | 6,097.2                 | 5.76                      | 1,059.819          |          |
| 1,000.0                 | 1,000.0               | 956.8                 | 956.6                 | 3.4              | 3.0           | 42.19                 | 4,520.9                             | 4,098.3      | 6,102.1                | 6,095.7                 | 6.38                      | 956.977            |          |
| 1,100.0                 | 1,100.0               | 1,069.5               | 1,069.2               | 3.7              | 3.4           | 42.18                 | 4,521.2                             | 4,096.6      | 6,101.3                | 6,094.2                 | 7.12                      | 857.413            |          |
| 1,200.0                 | 1,200.0               | 1,164.5               | 1,164.2               | 4.1              | 3.7           | 42.17                 | 4,521.4                             | 4,095.2      | 6,100.5                | 6,092.7                 | 7.80                      | 782.087            |          |
| 1,300.0                 | 1,300.0               | 1,292.7               | 1,292.4               | 4.4              | 4.2           | 42.16                 | 4,521.2                             | 4,093.9      | 6,099.8                | 6,091.2                 | 8.61                      | 708.771            |          |
| 1,400.0                 | 1,400.0               | 1,406.9               | 1,406.6               | 4.8              | 4.6           | 42.16                 | 4,520.3                             | 4,092.4      | 6,098.3                | 6,088.9                 | 9.37                      | 650.962            |          |
| 1,500.0                 | 1,500.0               | 1,530.6               | 1,530.3               | 5.1              | 5.0           | 42.15                 | 4,519.0                             | 4,090.7      | 6,096.6                | 6,086.5                 | 10.17                     | 599.747            |          |
| 1,600.0                 | 1,600.0               | 1,586.3               | 1,586.0               | 5.5              | 5.2           | 42.15                 | 4,518.6                             | 4,090.2      | 6,095.2                | 6,084.5                 | 10.72                     | 568.455            |          |
| 1,700.0                 | 1,700.0               | 1,685.3               | 1,684.9               | 5.9              | 5.6           | 42.15                 | 4,517.6                             | 4,089.6      | 6,094.1                | 6,082.7                 | 11.43                     | 532.984            |          |
| 1,800.0                 | 1,800.0               | 1,791.0               | 1,790.7               | 6.2              | 6.0           | 42.16                 | 4,516.2                             | 4,089.3      | 6,093.0                | 6,080.8                 | 12.17                     | 500.656            |          |
| 1,900.0                 | 1,900.0               | 1,873.0               | 1,872.6               | 6.6              | 6.3           | 42.16                 | 4,515.2                             | 4,089.1      | 6,091.9                | 6,079.0                 | 12.82                     | 475.137            |          |
| 2,000.0                 | 2,000.0               | 1,936.5               | 1,936.1               | 6.9              | 6.5           | 42.16                 | 4,515.2                             | 4,088.4      | 6,091.2                | 6,077.8                 | 13.40                     | 454.526            |          |
| 2,050.6                 | 2,050.6               | 1,968.0               | 1,967.6               | 7.1              | 6.6           | 42.15                 | 4,515.6                             | 4,087.9      | 6,091.1                | 6,077.4                 | 13.69                     | 444.858            |          |
| 2,100.0                 | 2,100.0               | 2,006.8               | 2,006.4               | 7.3              | 6.7           | 42.14                 | 4,516.4                             | 4,087.2      | 6,091.2                | 6,077.2                 | 14.00                     | 435.036            |          |
| 2,200.0                 | 2,200.0               | 2,094.2               | 2,093.8               | 7.7              | 7.0           | 42.11                 | 4,518.7                             | 4,085.0      | 6,091.5                | 6,076.8                 | 14.66                     | 415.575            |          |
| 2,300.0                 | 2,300.0               | 2,251.4               | 2,250.8               | 8.0              | 7.6           | 42.05                 | 4,523.3                             | 4,080.2      | 6,091.7                | 6,076.2                 | 15.56                     | 391.568            |          |
| 2,400.0                 | 2,400.0               | 2,393.8               | 2,392.8               | 8.4              | 8.0           | 41.96                 | 4,528.8                             | 4,071.7      | 6,090.5                | 6,074.1                 | 16.41                     | 371.102            |          |
| 2,500.0                 | 2,500.0               | 2,504.5               | 2,503.2               | 8.7              | 8.4           | 41.88                 | 4,533.4                             | 4,064.5      | 6,089.3                | 6,072.1                 | 17.16                     | 354.865            |          |
| 2,600.0                 | 2,600.0               | 2,608.1               | 2,606.4               | 9.1              | 8.8           | 41.79                 | 4,538.6                             | 4,056.4      | 6,087.8                | 6,069.9                 | 17.89                     | 340.373            |          |
| 2,700.0                 | 2,700.0               | 3,240.3               | 3,233.3               | 9.4              | 11.2          | 41.11                 | 4,560.5                             | 3,979.9      | 6,084.2                | 6,063.7                 | 20.49                     | 296.943            |          |
| 2,800.0                 | 2,800.0               | 3,339.4               | 3,331.2               | 9.8              | 11.5          | 41.00                 | 4,560.3                             | 3,964.7      | 6,074.0                | 6,052.7                 | 21.22                     | 286.224            |          |
| 2,900.0                 | 2,900.0               | 3,416.7               | 3,407.6               | 10.2             | 11.8          | 40.92                 | 4,560.4                             | 3,953.1      | 6,064.0                | 6,042.2                 | 21.88                     | 277.173            |          |
| 3,000.0                 | 3,000.0               | 3,716.6               | 3,703.9               | 10.5             | 13.0          | 40.63                 | 4,554.6                             | 3,907.4      | 6,052.3                | 6,029.0                 | 23.30                     | 259.727            |          |
| 3,100.0                 | 3,100.0               | 3,801.7               | 3,787.9               | 10.9             | 13.4          | 40.55                 | 4,551.5                             | 3,894.1      | 6,039.5                | 6,015.5                 | 23.99                     | 251.772            |          |
| 3,200.0                 | 3,200.0               | 3,894.0               | 3,879.1               | 11.2             | 13.8          | 40.47                 | 4,548.3                             | 3,879.9      | 6,026.8                | 6,002.1                 | 24.70                     | 244.019            |          |
| 3,300.0                 | 3,300.0               | 3,956.0               | 3,940.3               | 11.6             | 14.0          | 40.41                 | 4,546.2                             | 3,870.4      | 6,014.3                | 5,988.9                 | 25.31                     | 237.649            |          |
| 3,400.0                 | 3,400.0               | 4,004.0               | 3,987.7               | 12.0             | 14.2          | 40.37                 | 4,544.8                             | 3,863.3      | 6,002.5                | 5,976.6                 | 25.87                     | 232.041            |          |
| 3,500.0                 | 3,500.0               | 4,050.0               | 4,033.2               | 12.3             | 14.4          | 40.32                 | 4,544.0                             | 3,856.8      | 5,991.9                | 5,965.5                 | 26.42                     | 226.791            |          |
| 3,600.0                 | 3,600.0               | 4,109.2               | 4,091.9               | 12.7             | 14.6          | 40.27                 | 4,543.4                             | 3,848.7      | 5,982.1                | 5,955.1                 | 27.02                     | 221.409            |          |
| 3,700.0                 | 3,700.0               | 4,200.9               | 4,182.7               | 13.0             | 15.0          | 40.18                 | 4,542.5                             | 3,836.3      | 5,972.6                | 5,944.8                 | 27.73                     | 215.384            |          |
| 3,800.0                 | 3,800.0               | 4,272.4               | 4,253.6               | 13.4             | 15.3          | 40.12                 | 4,541.8                             | 3,826.9      | 5,963.3                | 5,934.9                 | 28.37                     | 210.192            |          |
| 3,900.0                 | 3,900.0               | 4,331.0               | 4,311.7               | 13.7             | 15.5          | -50.09                | 4,541.4                             | 3,819.5      | 5,953.5                | 5,924.6                 | 28.96                     | 205.604            |          |
| 4,000.0                 | 3,999.8               | 4,412.3               | 4,392.5               | 14.1             | 15.8          | -50.37                | 4,541.0                             | 3,809.7      | 5,942.0                | 5,912.4                 | 29.61                     | 200.655            |          |
| 4,100.0                 | 4,099.6               | 4,491.1               | 4,470.7               | 14.4             | 16.1          | -50.48                | 4,540.8                             | 3,800.4      | 5,929.8                | 5,899.5                 | 30.26                     | 195.949            |          |
| 4,200.0                 | 4,199.4               | 4,578.7               | 4,557.8               | 14.8             | 16.5          | -50.60                | 4,540.6                             | 3,790.3      | 5,917.8                | 5,886.9                 | 30.94                     | 191.253            |          |
| 4,300.0                 | 4,299.1               | 4,672.7               | 4,651.1               | 15.1             | 16.9          | -50.73                | 4,540.5                             | 3,779.5      | 5,906.0                | 5,874.3                 | 31.65                     | 186.623            |          |
| 4,400.0                 | 4,398.9               | 4,765.8               | 4,743.6               | 15.5             | 17.2          | -50.86                | 4,540.4                             | 3,769.1      | 5,894.2                | 5,861.9                 | 32.35                     | 182.208            |          |
| 4,500.0                 | 4,498.6               | 4,850.6               | 4,827.9               | 15.8             | 17.6          | -50.98                | 4,540.3                             | 3,759.6      | 5,882.7                | 5,849.7                 | 33.02                     | 178.137            |          |
| 4,600.0                 | 4,598.5               | 4,937.6               | 4,914.4               | 16.2             | 17.9          | -50.96                | 4,540.4                             | 3,750.1      | 5,872.3                | 5,838.5                 | 33.71                     | 174.221            |          |
| 4,700.0                 | 4,698.4               | 5,028.8               | 5,005.1               | 16.5             | 18.3          | -50.96                | 4,540.5                             | 3,740.2      | 5,863.6                | 5,829.2                 | 34.40                     | 170.441            |          |
| 4,766.7                 | 4,765.1               | 5,087.6               | 5,063.5               | 16.8             | 18.5          | 39.04                 | 4,540.7                             | 3,734.0      | 5,858.8                | 5,824.0                 | 34.86                     | 168.054            |          |
| 4,800.0                 | 4,798.4               | 5,121.7               | 5,097.4               | 16.9             | 18.6          | 39.02                 | 4,540.8                             | 3,730.3      | 5,856.7                | 5,821.6                 | 35.11                     | 166.800            |          |
| 4,900.0                 | 4,898.4               | 5,222.5               | 5,197.6               | 17.2             | 19.0          | 38.93                 | 4,541.1                             | 3,719.5      | 5,850.1                | 5,814.3                 | 35.85                     | 163.165            |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|-------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 187-MWD |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
| Reference               |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   | Warning            |          |
| Measured Depth (usft)   | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 5,000.0                 | 4,998.4               | 5,327.4               | 5,301.9               | 17.6             | 19.4          | 38.84                 | 4,541.4                             | 3,708.2      | 5,843.6                | 5,807.0                 | 36.61                     | 159.613           |                    |          |
| 5,100.0                 | 5,098.4               | 5,429.8               | 5,403.7               | 17.9             | 19.8          | 38.76                 | 4,541.5                             | 3,697.2      | 5,836.9                | 5,799.6                 | 37.36                     | 156.239           |                    |          |
| 5,200.0                 | 5,198.4               | 5,524.9               | 5,498.3               | 18.3             | 20.2          | 38.68                 | 4,541.5                             | 3,687.1      | 5,830.3                | 5,792.2                 | 38.08                     | 153.105           |                    |          |
| 5,300.0                 | 5,298.4               | 5,619.4               | 5,592.3               | 18.7             | 20.6          | 38.61                 | 4,541.5                             | 3,677.4      | 5,823.8                | 5,785.0                 | 38.80                     | 150.101           |                    |          |
| 5,400.0                 | 5,398.4               | 5,709.0               | 5,681.4               | 19.0             | 20.9          | 38.54                 | 4,541.4                             | 3,668.3      | 5,817.4                | 5,777.9                 | 39.50                     | 147.276           |                    |          |
| 5,500.0                 | 5,498.4               | 5,797.2               | 5,769.2               | 19.4             | 21.3          | 38.47                 | 4,541.4                             | 3,659.6      | 5,811.2                | 5,771.0                 | 40.20                     | 144.575           |                    |          |
| 5,600.0                 | 5,598.4               | 5,891.2               | 5,862.8               | 19.7             | 21.6          | 38.40                 | 4,541.1                             | 3,650.9      | 5,805.2                | 5,764.3                 | 40.91                     | 141.908           |                    |          |
| 5,700.0                 | 5,698.4               | 6,201.2               | 6,170.7               | 20.1             | 22.9          | 38.15                 | 4,538.1                             | 3,615.4      | 5,797.1                | 5,754.7                 | 42.37                     | 136.815           |                    |          |
| 5,766.7                 | 5,765.1               | 6,282.7               | 6,251.4               | 20.3             | 23.2          | 38.07                 | 4,536.7                             | 3,604.4      | 5,790.6                | 5,747.7                 | 42.92                     | 134.916           |                    |          |
| 5,800.0                 | 5,798.4               | 6,319.6               | 6,287.9               | 20.4             | 23.4          | -140.33               | 4,536.0                             | 3,599.4      | 5,787.5                | 5,744.3                 | 43.18                     | 134.045           |                    |          |
| 5,900.0                 | 5,898.4               | 6,384.5               | 6,352.2               | 20.8             | 23.6          | -140.50               | 4,534.8                             | 3,590.8      | 5,780.1                | 5,736.3                 | 43.77                     | 132.048           |                    |          |
| 6,000.0                 | 5,998.1               | 6,452.6               | 6,419.8               | 21.1             | 23.9          | -140.63               | 4,533.6                             | 3,582.5      | 5,776.0                | 5,731.7                 | 44.38                     | 130.150           |                    |          |
| 6,100.0                 | 6,097.7               | 6,568.7               | 6,535.2               | 21.4             | 24.4          | -140.81               | 4,531.2                             | 3,569.3      | 5,775.1                | 5,729.9                 | 45.15                     | 127.918           |                    |          |
| 6,119.5                 | 6,117.0               | 6,119.5               | 6,548.0               | 21.5             | 22.6          | -140.83               | 4,530.7                             | 3,567.8      | 5,775.0                | 5,731.5                 | 43.51                     | 132.731           |                    |          |
| 6,200.0                 | 6,196.8               | 6,719.2               | 6,684.6               | 21.8             | 25.0          | -141.03               | 4,526.4                             | 3,551.7      | 5,775.7                | 5,729.7                 | 46.03                     | 125.489           |                    |          |
| 6,229.5                 | 6,225.9               | 6,737.2               | 6,702.5               | 21.8             | 25.1          | -141.06               | 4,525.9                             | 3,549.6      | 5,776.4                | 5,730.2                 | 46.20                     | 125.033           |                    |          |
| 6,300.0                 | 6,295.5               | 6,780.3               | 6,745.2               | 22.1             | 25.2          | -141.13               | 4,524.6                             | 3,544.6      | 5,778.6                | 5,732.0                 | 46.61                     | 123.966           |                    |          |
| 6,400.0                 | 6,394.2               | 6,870.1               | 6,834.5               | 22.4             | 25.6          | -141.28               | 4,521.9                             | 3,534.7      | 5,782.1                | 5,734.8                 | 47.30                     | 122.251           |                    |          |
| 6,500.0                 | 6,492.9               | 15,492.0              | 11,077.5              | 22.7             | 85.9          | -101.93               | -28.8                               | 3,393.2      | 5,739.7                | 5,665.4                 | 74.24                     | 77.316            |                    |          |
| 6,600.0                 | 6,591.6               | 15,492.0              | 11,077.5              | 23.1             | 85.9          | -101.93               | -28.8                               | 3,393.2      | 5,659.6                | 5,584.5                 | 75.08                     | 75.378            |                    |          |
| 6,700.0                 | 6,690.3               | 15,492.0              | 11,077.5              | 23.4             | 85.9          | -101.93               | -28.8                               | 3,393.2      | 5,580.1                | 5,504.2                 | 75.95                     | 73.470            |                    |          |
| 6,800.0                 | 6,789.0               | 15,492.0              | 11,077.5              | 23.8             | 85.9          | -101.93               | -28.8                               | 3,393.2      | 5,501.4                | 5,424.5                 | 76.84                     | 71.593            |                    |          |
| 6,900.0                 | 6,887.7               | 15,492.0              | 11,077.5              | 24.1             | 85.9          | -101.93               | -28.8                               | 3,393.2      | 5,423.3                | 5,345.5                 | 77.76                     | 69.747            |                    |          |
| 7,000.0                 | 6,986.4               | 15,492.0              | 11,077.5              | 24.5             | 85.9          | -101.93               | -28.8                               | 3,393.2      | 5,346.0                | 5,267.3                 | 78.69                     | 67.934            |                    |          |
| 7,100.0                 | 7,085.1               | 15,492.0              | 11,077.5              | 24.8             | 85.9          | -101.93               | -28.8                               | 3,393.2      | 5,269.4                | 5,189.7                 | 79.65                     | 66.153            |                    |          |
| 7,200.0                 | 7,183.8               | 15,492.0              | 11,077.5              | 25.2             | 85.9          | -101.93               | -28.8                               | 3,393.2      | 5,193.6                | 5,113.0                 | 80.64                     | 64.406            |                    |          |
| 7,300.0                 | 7,282.5               | 15,492.0              | 11,077.5              | 25.6             | 85.9          | -101.93               | -28.8                               | 3,393.2      | 5,118.7                | 5,037.0                 | 81.65                     | 62.693            |                    |          |
| 7,400.0                 | 7,381.2               | 15,528.8              | 11,077.7              | 25.9             | 86.4          | -101.33               | -65.6                               | 3,394.1      | 5,044.0                | 4,960.8                 | 83.15                     | 60.661            |                    |          |
| 7,500.0                 | 7,479.8               | 15,532.7              | 11,077.8              | 26.3             | 86.5          | -101.27               | -69.5                               | 3,394.2      | 4,970.7                | 4,886.4                 | 84.26                     | 58.992            |                    |          |
| 7,600.0                 | 7,578.5               | 15,536.8              | 11,077.9              | 26.7             | 86.5          | -101.20               | -73.6                               | 3,394.3      | 4,898.3                | 4,812.9                 | 85.40                     | 57.360            |                    |          |
| 7,700.0                 | 7,677.2               | 15,541.0              | 11,078.0              | 27.0             | 86.6          | -101.14               | -77.8                               | 3,394.4      | 4,826.9                | 4,740.3                 | 86.56                     | 55.765            |                    |          |
| 7,800.0                 | 7,775.9               | 15,545.4              | 11,078.1              | 27.4             | 86.6          | -101.06               | -82.2                               | 3,394.6      | 4,756.5                | 4,668.8                 | 87.74                     | 54.209            |                    |          |
| 7,900.0                 | 7,874.6               | 15,549.8              | 11,078.2              | 27.8             | 86.7          | -100.99               | -86.6                               | 3,394.7      | 4,687.2                | 4,598.2                 | 88.96                     | 52.691            |                    |          |
| 8,000.0                 | 7,973.3               | 15,586.0              | 11,079.8              | 28.2             | 87.2          | -100.40               | -122.7                              | 3,396.2      | 4,619.4                | 4,528.8                 | 90.62                     | 50.976            |                    |          |
| 8,100.0                 | 8,072.0               | 15,586.0              | 11,079.8              | 28.6             | 87.2          | -100.40               | -122.7                              | 3,396.2      | 4,552.2                | 4,460.4                 | 91.82                     | 49.578            |                    |          |
| 8,200.0                 | 8,170.7               | 15,586.0              | 11,079.8              | 28.9             | 87.2          | -100.40               | -122.7                              | 3,396.2      | 4,486.2                | 4,393.2                 | 93.04                     | 48.219            |                    |          |
| 8,300.0                 | 8,269.4               | 15,851.5              | 11,084.9              | 29.3             | 91.2          | -96.03                | -388.0                              | 3,399.4      | 4,420.4                | 4,322.4                 | 97.97                     | 45.120            |                    |          |
| 8,400.0                 | 8,368.1               | 15,869.0              | 11,084.9              | 29.7             | 91.4          | -95.74                | -405.5                              | 3,399.3      | 4,355.9                | 4,256.4                 | 99.52                     | 43.770            |                    |          |
| 8,500.0                 | 8,466.8               | 15,869.0              | 11,084.9              | 30.1             | 91.4          | -95.74                | -405.5                              | 3,399.3      | 4,292.7                | 4,191.9                 | 100.84                    | 42.568            |                    |          |
| 8,600.0                 | 8,565.5               | 15,884.6              | 11,084.9              | 30.5             | 91.7          | -95.47                | -421.2                              | 3,399.3      | 4,230.9                | 4,128.5                 | 102.41                    | 41.315            |                    |          |
| 8,700.0                 | 8,664.2               | 15,896.7              | 11,084.9              | 30.9             | 91.8          | -95.27                | -433.2                              | 3,399.3      | 4,170.5                | 4,066.6                 | 103.94                    | 40.125            |                    |          |
| 8,800.0                 | 8,762.9               | 15,908.8              | 11,084.9              | 31.3             | 92.0          | -95.07                | -445.3                              | 3,399.3      | 4,111.7                | 4,006.2                 | 105.49                    | 38.978            |                    |          |
| 8,900.0                 | 8,861.6               | 15,921.0              | 11,084.9              | 31.7             | 92.2          | -94.87                | -457.5                              | 3,399.3      | 4,054.4                | 3,947.3                 | 107.05                    | 37.874            |                    |          |
| 9,000.0                 | 8,960.3               | 15,933.2              | 11,085.0              | 32.1             | 92.4          | -94.66                | -469.7                              | 3,399.3      | 3,998.7                | 3,890.1                 | 108.62                    | 36.813            |                    |          |
| 9,100.0                 | 9,059.0               | 15,945.5              | 11,085.0              | 32.5             | 92.6          | -94.45                | -482.0                              | 3,399.4      | 3,944.7                | 3,834.5                 | 110.21                    | 35.794            |                    |          |
| 9,200.0                 | 9,157.7               | 15,957.9              | 11,085.0              | 32.9             | 92.8          | -94.25                | -494.4                              | 3,399.4      | 3,892.5                | 3,780.7                 | 111.79                    | 34.819            |                    |          |
| 9,300.0                 | 9,256.4               | 15,977.8              | 11,085.1              | 33.3             | 93.1          | -93.91                | -514.3                              | 3,399.5      | 3,842.2                | 3,728.7                 | 113.50                    | 33.852            |                    |          |
| 9,400.0                 | 9,355.1               | 16,000.6              | 11,084.9              | 33.7             | 93.4          | -93.52                | -537.2                              | 3,399.7      | 3,793.7                | 3,678.4                 | 115.25                    | 32.916            |                    |          |
| 9,500.0                 | 9,453.8               | 16,021.0              | 11,084.6              | 34.1             | 93.7          | -93.18                | -557.5                              | 3,399.9      | 3,747.1                | 3,630.2                 | 116.97                    | 32.036            |                    |          |
| 9,600.0                 | 9,552.5               | 16,039.2              | 11,084.1              | 34.5             | 94.0          | -92.87                | -575.7                              | 3,400.1      | 3,702.6                | 3,584.0                 | 118.63                    | 31.211            |                    |          |
| 9,700.0                 | 9,651.2               | 16,055.6              | 11,083.6              | 34.9             | 94.2          | -92.59                | -592.1                              | 3,400.4      | 3,660.3                | 3,540.0                 | 120.26                    | 30.437            |                    |          |
| 9,800.0                 | 9,749.9               | 16,074.0              | 11,083.0              | 35.3             | 94.5          | -92.28                | -610.5                              | 3,400.7      | 3,620.1                | 3,498.2                 | 121.89                    | 29.700            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|-------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 187-MWD |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference               |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)   | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 9,900.0                 | 9,848.6               | 16,095.0              | 11,082.6              | 35.7             | 94.8          | -91.92                | -631.5                              | 3,400.9      | 3,582.2                | 3,458.7                 | 123.54                    | 28.997             |          |
| 10,000.0                | 9,947.3               | 16,119.0              | 11,082.2              | 36.1             | 95.2          | -91.51                | -655.5                              | 3,400.9      | 3,546.6                | 3,421.4                 | 125.20                    | 28.328             |          |
| 10,100.0                | 10,046.0              | 16,146.7              | 11,082.2              | 36.5             | 95.6          | -91.04                | -683.2                              | 3,400.8      | 3,513.4                | 3,386.6                 | 126.88                    | 27.692             |          |
| 10,200.0                | 10,144.7              | 16,160.9              | 11,082.2              | 36.9             | 95.8          | -90.80                | -697.4                              | 3,400.7      | 3,482.7                | 3,354.4                 | 128.29                    | 27.148             |          |
| 10,300.0                | 10,243.4              | 16,172.4              | 11,082.3              | 37.3             | 96.0          | -90.61                | -708.9                              | 3,400.6      | 3,454.5                | 3,324.9                 | 129.60                    | 26.656             |          |
| 10,400.0                | 10,342.1              | 16,183.9              | 11,082.4              | 37.7             | 96.1          | -90.41                | -720.4                              | 3,400.5      | 3,429.0                | 3,298.1                 | 130.85                    | 26.206             |          |
| 10,500.0                | 10,440.8              | 16,195.5              | 11,082.4              | 38.1             | 96.3          | -90.22                | -731.9                              | 3,400.5      | 3,406.1                | 3,274.1                 | 132.03                    | 25.798             |          |
| 10,600.0                | 10,539.5              | 16,207.0              | 11,082.5              | 38.5             | 96.5          | -90.02                | -743.5                              | 3,400.4      | 3,386.0                | 3,252.9                 | 133.14                    | 25.432             |          |
| 10,700.0                | 10,638.2              | 16,218.6              | 11,082.6              | 39.0             | 96.7          | -89.82                | -755.1                              | 3,400.4      | 3,368.7                | 3,234.5                 | 134.18                    | 25.107             |          |
| 10,800.0                | 10,736.9              | 16,230.2              | 11,082.6              | 39.4             | 96.8          | -89.63                | -766.7                              | 3,400.4      | 3,354.2                | 3,219.1                 | 135.13                    | 24.823             |          |
| 10,900.0                | 10,835.6              | 16,245.0              | 11,082.7              | 39.8             | 97.1          | -89.37                | -781.5                              | 3,400.5      | 3,342.6                | 3,206.5                 | 136.05                    | 24.569             |          |
| 11,000.0                | 10,934.3              | 16,245.0              | 11,082.7              | 40.2             | 97.1          | -89.37                | -781.5                              | 3,400.5      | 3,333.9                | 3,197.3                 | 136.62                    | 24.403             |          |
| 11,100.0                | 11,033.0              | 16,263.4              | 11,082.8              | 40.6             | 97.3          | -89.06                | -799.9                              | 3,400.5      | 3,328.1                | 3,190.7                 | 137.42                    | 24.219             |          |
| 11,200.0                | 11,131.7              | 16,274.3              | 11,082.9              | 41.0             | 97.5          | -88.88                | -810.8                              | 3,400.6      | 3,325.2                | 3,187.3                 | 137.99                    | 24.098             |          |
| 11,246.2                | 11,177.3              | 16,279.3              | 11,083.0              | 41.2             | 97.6          | -88.79                | -815.8                              | 3,400.6      | 3,324.9                | 3,186.7                 | 138.22                    | 24.056 CC, ES      |          |
| 11,300.0                | 11,230.4              | 16,285.2              | 11,083.0              | 41.4             | 97.7          | -88.69                | -821.7                              | 3,400.7      | 3,325.4                | 3,186.9                 | 138.46                    | 24.017             |          |
| 11,400.0                | 11,329.1              | 16,296.3              | 11,083.1              | 41.9             | 97.8          | -88.50                | -832.8                              | 3,400.8      | 3,328.4                | 3,189.6                 | 138.84                    | 23.974             |          |
| 11,500.0                | 11,427.8              | 16,307.5              | 11,083.3              | 42.3             | 98.0          | -88.31                | -844.0                              | 3,401.0      | 3,334.4                | 3,195.3                 | 139.12                    | 23.969             |          |
| 11,535.3                | 11,462.6              | 16,311.5              | 11,083.3              | 42.4             | 98.1          | -88.25                | -848.0                              | 3,401.0      | 3,337.2                | 3,198.0                 | 139.19                    | 23.976             |          |
| 11,600.0                | 11,526.5              | 16,318.5              | 11,083.4              | 42.7             | 98.2          | -88.22                | -855.0                              | 3,401.1      | 3,343.4                | 3,204.1                 | 139.29                    | 24.002             |          |
| 11,700.0                | 11,625.7              | 11,700.0              | 11,084.6              | 43.1             | 40.3          | -87.29                | -920.0                              | 3,401.5      | 3,355.0                | 3,285.8                 | 69.22                     | 48.470             |          |
| 11,800.0                | 11,725.1              | 11,800.0              | 11,084.9              | 43.5             | 40.5          | -87.29                | -932.8                              | 3,401.5      | 3,369.7                | 3,299.0                 | 70.75                     | 47.631             |          |
| 11,900.0                | 11,824.8              | 16,460.4              | 11,086.6              | 43.9             | 100.3         | -86.46                | -996.8                              | 3,401.2      | 3,387.4                | 3,246.2                 | 141.15                    | 23.998             |          |
| 12,000.0                | 11,924.7              | 16,466.6              | 11,086.8              | 44.2             | 100.4         | -86.67                | -1,003.0                            | 3,401.1      | 3,407.8                | 3,267.0                 | 140.84                    | 24.196             |          |
| 12,100.0                | 12,024.6              | 16,470.9              | 11,086.9              | 44.6             | 100.5         | -86.96                | -1,007.3                            | 3,401.0      | 3,431.2                | 3,290.8                 | 140.41                    | 24.438             |          |
| 12,152.4                | 12,077.0              | 16,472.3              | 11,086.9              | 44.7             | 100.5         | 91.18                 | -1,008.8                            | 3,401.0      | 3,444.6                | 3,304.5                 | 140.13                    | 24.582             |          |
| 12,200.0                | 12,124.6              | 16,474.9              | 11,087.0              | 44.9             | 100.5         | -91.38                | -1,011.3                            | 3,401.0      | 3,457.6                | 3,317.7                 | 139.89                    | 24.717             |          |
| 12,250.0                | 12,174.2              | 16,480.7              | 11,087.2              | 45.1             | 100.6         | -89.79                | -1,017.1                            | 3,400.9      | 3,471.9                | 3,332.2                 | 139.69                    | 24.855             |          |
| 12,300.0                | 12,223.0              | 16,489.7              | 11,087.5              | 45.3             | 100.8         | -88.07                | -1,026.1                            | 3,400.8      | 3,486.8                | 3,347.2                 | 139.54                    | 24.987             |          |
| 12,350.0                | 12,270.7              | 16,501.8              | 11,087.9              | 45.6             | 101.0         | -86.26                | -1,038.2                            | 3,400.7      | 3,502.2                | 3,362.7                 | 139.46                    | 25.112             |          |
| 12,400.0                | 12,317.0              | 16,516.9              | 11,088.4              | 45.8             | 101.2         | -84.38                | -1,053.3                            | 3,400.6      | 3,517.9                | 3,378.4                 | 139.44                    | 25.228             |          |
| 12,450.0                | 12,361.4              | 16,528.0              | 11,088.7              | 46.1             | 101.4         | -82.56                | -1,064.4                            | 3,400.5      | 3,533.7                | 3,394.3                 | 139.37                    | 25.355             |          |
| 12,500.0                | 12,403.7              | 16,552.0              | 11,089.5              | 46.4             | 101.7         | -80.58                | -1,088.3                            | 3,400.4      | 3,549.5                | 3,410.0                 | 139.54                    | 25.437             |          |
| 12,550.0                | 12,443.5              | 16,572.3              | 11,090.2              | 46.7             | 102.0         | -78.71                | -1,108.7                            | 3,400.5      | 3,565.1                | 3,425.4                 | 139.67                    | 25.524             |          |
| 12,600.0                | 12,480.5              | 16,594.9              | 11,091.1              | 47.1             | 102.4         | -76.89                | -1,131.2                            | 3,400.6      | 3,580.3                | 3,440.4                 | 139.88                    | 25.596             |          |
| 12,650.0                | 12,514.4              | 16,622.0              | 11,092.2              | 47.4             | 102.8         | -75.13                | -1,158.3                            | 3,400.9      | 3,594.9                | 3,454.8                 | 140.20                    | 25.642             |          |
| 12,700.0                | 12,545.0              | 16,652.4              | 11,093.2              | 47.8             | 103.3         | -73.46                | -1,188.7                            | 3,401.2      | 3,608.9                | 3,468.3                 | 140.61                    | 25.666             |          |
| 12,750.0                | 12,572.0              | 16,687.3              | 11,093.8              | 48.1             | 103.8         | -71.91                | -1,223.7                            | 3,401.4      | 3,621.8                | 3,480.7                 | 141.14                    | 25.662             |          |
| 12,800.0                | 12,595.3              | 16,722.9              | 11,093.6              | 48.5             | 104.3         | -70.51                | -1,259.2                            | 3,401.4      | 3,633.7                | 3,492.0                 | 141.71                    | 25.642             |          |
| 12,850.0                | 12,614.6              | 16,757.9              | 11,093.2              | 48.9             | 104.9         | -69.28                | -1,294.2                            | 3,401.3      | 3,644.4                | 3,502.1                 | 142.32                    | 25.607             |          |
| 12,900.0                | 12,629.8              | 16,794.1              | 11,092.6              | 49.3             | 105.4         | -68.23                | -1,330.3                            | 3,401.3      | 3,653.8                | 3,510.8                 | 143.00                    | 25.552             |          |
| 12,950.0                | 12,640.8              | 16,829.0              | 11,092.0              | 49.7             | 106.0         | -67.38                | -1,365.3                            | 3,401.5      | 3,661.8                | 3,518.0                 | 143.70                    | 25.481             |          |
| 13,000.0                | 12,647.6              | 16,863.1              | 11,091.3              | 50.1             | 106.5         | -66.71                | -1,399.4                            | 3,401.7      | 3,668.3                | 3,523.8                 | 144.45                    | 25.395             |          |
| 13,052.4                | 12,650.0              | 16,903.0              | 11,090.4              | 50.5             | 107.1         | -66.21                | -1,439.3                            | 3,402.1      | 3,673.5                | 3,528.2                 | 145.36                    | 25.272             |          |
| 13,100.0                | 12,650.0              | 16,928.6              | 11,089.8              | 50.9             | 107.5         | -66.25                | -1,464.9                            | 3,402.5      | 3,677.3                | 3,531.2                 | 146.03                    | 25.181             |          |
| 13,200.0                | 12,650.0              | 13,200.0              | 11,087.4              | 51.8             | 51.9          | -66.30                | -1,581.2                            | 3,404.9      | 3,683.2                | 3,590.9                 | 92.37                     | 39.876             |          |
| 13,267.5                | 12,650.0              | 17,176.0              | 11,089.5              | 52.4             | 111.3         | -66.36                | -1,712.1                            | 3,407.3      | 3,684.1                | 3,532.9                 | 151.26                    | 24.357             |          |
| 13,300.0                | 12,650.0              | 17,207.1              | 11,090.7              | 52.7             | 111.8         | -66.38                | -1,743.2                            | 3,408.0      | 3,684.1                | 3,532.1                 | 151.99                    | 24.238             |          |
| 13,363.1                | 12,650.0              | 17,265.4              | 11,093.3              | 53.3             | 112.7         | -66.42                | -1,801.5                            | 3,409.4      | 3,684.0                | 3,530.6                 | 153.42                    | 24.013             |          |
| 13,400.0                | 12,650.0              | 17,302.2              | 11,095.2              | 53.6             | 113.3         | -66.45                | -1,838.2                            | 3,410.5      | 3,684.0                | 3,529.7                 | 154.30                    | 23.875             |          |
| 13,478.9                | 12,650.0              | 17,384.6              | 11,100.3              | 54.4             | 114.5         | -66.54                | -1,920.4                            | 3,413.2      | 3,684.0                | 3,527.7                 | 156.31                    | 23.569             |          |
| 13,500.0                | 12,650.0              | 17,400.0              | 11,101.3              | 54.6             | 114.8         | -66.56                | -1,935.7                            | 3,413.7      | 3,684.0                | 3,527.3                 | 156.72                    | 23.507             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|-------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 187-MWD |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
| Reference               |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   | Warning            |          |
| Measured Depth (usft)   | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 13,600.0                | 12,650.0              | 17,499.0              | 11,107.6              | 55.6             | 116.3         | -66.67                | -2,034.4                            | 3,417.3      | 3,684.2                | 3,525.0                 | 159.21                    | 23.141            |                    |          |
| 13,700.0                | 12,650.0              | 17,533.0              | 11,109.9              | 56.6             | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 3,684.9                | 3,524.5                 | 160.49                    | 22.960            |                    |          |
| 13,800.0                | 12,650.0              | 17,533.0              | 11,109.9              | 57.6             | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 3,688.2                | 3,527.1                 | 161.10                    | 22.894            |                    |          |
| 13,900.0                | 12,650.0              | 17,533.0              | 11,109.9              | 58.7             | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 3,694.2                | 3,532.5                 | 161.64                    | 22.854            |                    |          |
| 14,000.0                | 12,650.0              | 17,533.0              | 11,109.9              | 59.8             | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 3,702.8                | 3,540.7                 | 162.13                    | 22.838 SF         |                    |          |
| 14,100.0                | 12,650.0              | 17,533.0              | 11,109.9              | 61.0             | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 3,714.1                | 3,551.6                 | 162.56                    | 22.847            |                    |          |
| 14,200.0                | 12,650.0              | 17,533.0              | 11,109.9              | 62.1             | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 3,728.1                | 3,565.2                 | 162.93                    | 22.882            |                    |          |
| 14,300.0                | 12,650.0              | 17,533.0              | 11,109.9              | 63.3             | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 3,744.7                | 3,581.5                 | 163.23                    | 22.941            |                    |          |
| 14,400.0                | 12,650.0              | 17,533.0              | 11,109.9              | 64.5             | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 3,763.9                | 3,600.4                 | 163.47                    | 23.024            |                    |          |
| 14,500.0                | 12,650.0              | 17,533.0              | 11,109.9              | 65.7             | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 3,785.6                | 3,622.0                 | 163.65                    | 23.133            |                    |          |
| 14,600.0                | 12,650.0              | 17,533.0              | 11,109.9              | 67.0             | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 3,809.8                | 3,646.1                 | 163.76                    | 23.265            |                    |          |
| 14,700.0                | 12,650.0              | 17,533.0              | 11,109.9              | 68.2             | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 3,836.5                | 3,672.7                 | 163.81                    | 23.421            |                    |          |
| 14,800.0                | 12,650.0              | 17,533.0              | 11,109.9              | 69.5             | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 3,865.6                | 3,701.8                 | 163.80                    | 23.600            |                    |          |
| 14,900.0                | 12,650.0              | 17,533.0              | 11,109.9              | 70.8             | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 3,897.0                | 3,733.3                 | 163.73                    | 23.802            |                    |          |
| 15,000.0                | 12,650.0              | 17,533.0              | 11,109.9              | 72.1             | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 3,930.7                | 3,767.1                 | 163.60                    | 24.027            |                    |          |
| 15,100.0                | 12,650.0              | 17,533.0              | 11,109.9              | 73.4             | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 3,966.7                | 3,803.3                 | 163.42                    | 24.273            |                    |          |
| 15,200.0                | 12,650.0              | 17,533.0              | 11,109.9              | 74.8             | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 4,004.8                | 3,841.6                 | 163.19                    | 24.541            |                    |          |
| 15,300.0                | 12,650.0              | 17,533.0              | 11,109.9              | 76.1             | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 4,045.1                | 3,882.2                 | 162.91                    | 24.831            |                    |          |
| 15,400.0                | 12,650.0              | 17,533.0              | 11,109.9              | 77.5             | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 4,087.4                | 3,924.8                 | 162.58                    | 25.141            |                    |          |
| 15,500.0                | 12,650.0              | 17,533.0              | 11,109.9              | 78.8             | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 4,131.7                | 3,969.5                 | 162.22                    | 25.470            |                    |          |
| 15,600.0                | 12,650.0              | 17,533.0              | 11,109.9              | 80.2             | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 4,177.9                | 4,016.1                 | 161.81                    | 25.820            |                    |          |
| 15,700.0                | 12,650.0              | 17,533.0              | 11,109.9              | 81.6             | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 4,225.9                | 4,064.6                 | 161.37                    | 26.188            |                    |          |
| 15,800.0                | 12,650.0              | 17,533.0              | 11,109.9              | 83.0             | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 4,275.8                | 4,114.9                 | 160.90                    | 26.574            |                    |          |
| 15,900.0                | 12,650.0              | 17,533.0              | 11,109.9              | 84.4             | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 4,327.4                | 4,167.0                 | 160.40                    | 26.979            |                    |          |
| 16,000.0                | 12,650.0              | 17,533.0              | 11,109.9              | 85.9             | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 4,380.7                | 4,220.8                 | 159.88                    | 27.400            |                    |          |
| 16,100.0                | 12,650.0              | 17,533.0              | 11,109.9              | 87.3             | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 4,435.6                | 4,276.3                 | 159.33                    | 27.839            |                    |          |
| 16,200.0                | 12,650.0              | 17,533.0              | 11,109.9              | 88.7             | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 4,492.1                | 4,333.3                 | 158.77                    | 28.294            |                    |          |
| 16,300.0                | 12,650.0              | 17,533.0              | 11,109.9              | 90.2             | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 4,550.0                | 4,391.8                 | 158.18                    | 28.764            |                    |          |
| 16,400.0                | 12,650.0              | 17,533.0              | 11,109.9              | 91.6             | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 4,609.4                | 4,451.8                 | 157.59                    | 29.250            |                    |          |
| 16,500.0                | 12,650.0              | 17,533.0              | 11,109.9              | 93.1             | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 4,670.2                | 4,513.2                 | 156.98                    | 29.750            |                    |          |
| 16,600.0                | 12,650.0              | 17,533.0              | 11,109.9              | 94.5             | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 4,732.3                | 4,575.9                 | 156.37                    | 30.264            |                    |          |
| 16,700.0                | 12,650.0              | 17,533.0              | 11,109.9              | 96.0             | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 4,795.7                | 4,639.9                 | 155.74                    | 30.792            |                    |          |
| 16,800.0                | 12,650.0              | 17,533.0              | 11,109.9              | 97.5             | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 4,860.3                | 4,705.2                 | 155.11                    | 31.334            |                    |          |
| 16,900.0                | 12,650.0              | 17,533.0              | 11,109.9              | 99.0             | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 4,926.1                | 4,771.6                 | 154.48                    | 31.888            |                    |          |
| 17,000.0                | 12,650.0              | 17,533.0              | 11,109.9              | 100.5            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 4,993.0                | 4,839.2                 | 153.85                    | 32.454            |                    |          |
| 17,100.0                | 12,650.0              | 17,533.0              | 11,109.9              | 101.9            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 5,061.1                | 4,907.9                 | 153.22                    | 33.032            |                    |          |
| 17,200.0                | 12,650.0              | 17,533.0              | 11,109.9              | 103.4            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 5,130.2                | 4,977.6                 | 152.59                    | 33.621            |                    |          |
| 17,300.0                | 12,650.0              | 17,533.0              | 11,109.9              | 104.9            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 5,200.2                | 5,048.3                 | 151.96                    | 34.222            |                    |          |
| 17,400.0                | 12,650.0              | 17,533.0              | 11,109.9              | 106.5            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 5,271.3                | 5,120.0                 | 151.33                    | 34.832            |                    |          |
| 17,500.0                | 12,650.0              | 17,533.0              | 11,109.9              | 108.0            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 5,343.3                | 5,192.5                 | 150.71                    | 35.453            |                    |          |
| 17,600.0                | 12,650.0              | 17,533.0              | 11,109.9              | 109.5            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 5,416.1                | 5,266.0                 | 150.10                    | 36.083            |                    |          |
| 17,700.0                | 12,650.0              | 17,533.0              | 11,109.9              | 111.0            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 5,489.8                | 5,340.4                 | 149.49                    | 36.723            |                    |          |
| 17,800.0                | 12,650.0              | 17,533.0              | 11,109.9              | 112.5            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 5,564.4                | 5,415.5                 | 148.90                    | 37.371            |                    |          |
| 17,900.0                | 12,650.0              | 17,533.0              | 11,109.9              | 114.1            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 5,639.7                | 5,491.4                 | 148.30                    | 38.028            |                    |          |
| 18,000.0                | 12,650.0              | 17,533.0              | 11,109.9              | 115.6            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 5,715.8                | 5,568.1                 | 147.72                    | 38.693            |                    |          |
| 18,100.0                | 12,650.0              | 17,533.0              | 11,109.9              | 117.1            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 5,792.6                | 5,645.5                 | 147.15                    | 39.366            |                    |          |
| 18,200.0                | 12,650.0              | 17,533.0              | 11,109.9              | 118.7            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 5,870.1                | 5,723.5                 | 146.58                    | 40.046            |                    |          |
| 18,300.0                | 12,650.0              | 17,533.0              | 11,109.9              | 120.2            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 5,948.3                | 5,802.3                 | 146.03                    | 40.734            |                    |          |
| 18,400.0                | 12,650.0              | 17,533.0              | 11,109.9              | 121.8            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 6,027.1                | 5,881.7                 | 145.49                    | 41.428            |                    |          |
| 18,500.0                | 12,650.0              | 17,533.0              | 11,109.9              | 123.3            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 6,106.6                | 5,961.6                 | 144.95                    | 42.128            |                    |          |
| 18,600.0                | 12,650.0              | 17,533.0              | 11,109.9              | 124.9            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 6,186.6                | 6,042.2                 | 144.43                    | 42.835            |                    |          |
| 18,700.0                | 12,650.0              | 17,533.0              | 11,109.9              | 126.4            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 6,267.2                | 6,123.3                 | 143.92                    | 43.548            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|-------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 187-MWD |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
| Reference               |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   | Warning            |          |
| Measured Depth (usft)   | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 18,800.0                | 12,650.0              | 17,533.0              | 11,109.9              | 128.0            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 6,348.4                | 6,205.0                 | 143.42                    | 44.266            |                    |          |
| 18,900.0                | 12,650.0              | 17,533.0              | 11,109.9              | 129.5            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 6,430.1                | 6,287.2                 | 142.93                    | 44.989            |                    |          |
| 19,000.0                | 12,650.0              | 17,533.0              | 11,109.9              | 131.1            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 6,512.3                | 6,369.9                 | 142.45                    | 45.718            |                    |          |
| 19,100.0                | 12,650.0              | 17,533.0              | 11,109.9              | 132.6            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 6,595.0                | 6,453.0                 | 141.98                    | 46.451            |                    |          |
| 19,200.0                | 12,650.0              | 17,533.0              | 11,109.9              | 134.2            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 6,678.2                | 6,536.7                 | 141.52                    | 47.189            |                    |          |
| 19,300.0                | 12,650.0              | 17,533.0              | 11,109.9              | 135.8            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 6,761.8                | 6,620.8                 | 141.07                    | 47.932            |                    |          |
| 19,400.0                | 12,650.0              | 17,533.0              | 11,109.9              | 137.3            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 6,845.9                | 6,705.3                 | 140.64                    | 48.678            |                    |          |
| 19,500.0                | 12,650.0              | 17,533.0              | 11,109.9              | 138.9            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 6,930.4                | 6,790.2                 | 140.21                    | 49.428            |                    |          |
| 19,600.0                | 12,650.0              | 17,533.0              | 11,109.9              | 140.5            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 7,015.3                | 6,875.5                 | 139.80                    | 50.182            |                    |          |
| 19,700.0                | 12,650.0              | 17,533.0              | 11,109.9              | 142.1            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 7,100.6                | 6,961.2                 | 139.39                    | 50.940            |                    |          |
| 19,800.0                | 12,650.0              | 17,533.0              | 11,109.9              | 143.6            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 7,186.3                | 7,047.3                 | 139.00                    | 51.700            |                    |          |
| 19,900.0                | 12,650.0              | 17,533.0              | 11,109.9              | 145.2            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 7,272.3                | 7,133.7                 | 138.62                    | 52.464            |                    |          |
| 20,000.0                | 12,650.0              | 17,533.0              | 11,109.9              | 146.8            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 7,358.7                | 7,220.4                 | 138.24                    | 53.230            |                    |          |
| 20,100.0                | 12,650.0              | 17,533.0              | 11,109.9              | 148.4            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 7,445.4                | 7,307.5                 | 137.88                    | 54.000            |                    |          |
| 20,200.0                | 12,650.0              | 17,533.0              | 11,109.9              | 150.0            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 7,532.5                | 7,395.0                 | 137.53                    | 54.772            |                    |          |
| 20,300.0                | 12,650.0              | 17,533.0              | 11,109.9              | 151.6            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 7,619.9                | 7,482.7                 | 137.18                    | 55.546            |                    |          |
| 20,400.0                | 12,650.0              | 17,533.0              | 11,109.9              | 153.2            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 7,707.5                | 7,570.7                 | 136.85                    | 56.322            |                    |          |
| 20,500.0                | 12,650.0              | 17,533.0              | 11,109.9              | 154.7            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 7,795.5                | 7,659.0                 | 136.52                    | 57.101            |                    |          |
| 20,600.0                | 12,650.0              | 17,533.0              | 11,109.9              | 156.3            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 7,883.8                | 7,747.6                 | 136.21                    | 57.881            |                    |          |
| 20,700.0                | 12,650.0              | 17,533.0              | 11,109.9              | 157.9            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 7,972.3                | 7,836.4                 | 135.90                    | 58.663            |                    |          |
| 20,800.0                | 12,650.0              | 17,533.0              | 11,109.9              | 159.5            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 8,061.1                | 7,925.5                 | 135.60                    | 59.447            |                    |          |
| 20,900.0                | 12,650.0              | 17,533.0              | 11,109.9              | 161.1            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 8,150.2                | 8,014.9                 | 135.31                    | 60.232            |                    |          |
| 21,000.0                | 12,650.0              | 17,533.0              | 11,109.9              | 162.7            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 8,239.5                | 8,104.5                 | 135.03                    | 61.019            |                    |          |
| 21,100.0                | 12,650.0              | 17,533.0              | 11,109.9              | 164.3            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 8,329.1                | 8,194.4                 | 134.76                    | 61.806            |                    |          |
| 21,200.0                | 12,650.0              | 17,533.0              | 11,109.9              | 165.9            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 8,418.9                | 8,284.4                 | 134.50                    | 62.595            |                    |          |
| 21,300.0                | 12,650.0              | 17,533.0              | 11,109.9              | 167.5            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 8,508.9                | 8,374.7                 | 134.24                    | 63.385            |                    |          |
| 21,400.0                | 12,650.0              | 17,533.0              | 11,109.9              | 169.1            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 8,599.2                | 8,465.2                 | 133.99                    | 64.176            |                    |          |
| 21,500.0                | 12,650.0              | 17,533.0              | 11,109.9              | 170.7            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 8,689.7                | 8,555.9                 | 133.75                    | 64.968            |                    |          |
| 21,600.0                | 12,650.0              | 17,533.0              | 11,109.9              | 172.3            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 8,780.3                | 8,646.8                 | 133.52                    | 65.760            |                    |          |
| 21,700.0                | 12,650.0              | 17,533.0              | 11,109.9              | 173.9            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 8,871.2                | 8,737.9                 | 133.29                    | 66.553            |                    |          |
| 21,800.0                | 12,650.0              | 17,533.0              | 11,109.9              | 175.5            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 8,962.3                | 8,829.2                 | 133.08                    | 67.347            |                    |          |
| 21,900.0                | 12,650.0              | 17,533.0              | 11,109.9              | 177.1            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 9,053.5                | 8,920.6                 | 132.86                    | 68.141            |                    |          |
| 22,000.0                | 12,650.0              | 17,533.0              | 11,109.9              | 178.7            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 9,144.9                | 9,012.3                 | 132.66                    | 68.935            |                    |          |
| 22,100.0                | 12,650.0              | 17,533.0              | 11,109.9              | 180.3            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 9,236.6                | 9,104.1                 | 132.46                    | 69.730            |                    |          |
| 22,200.0                | 12,650.0              | 17,533.0              | 11,109.9              | 182.0            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 9,328.3                | 9,196.1                 | 132.27                    | 70.524            |                    |          |
| 22,300.0                | 12,650.0              | 17,533.0              | 11,109.9              | 183.6            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 9,420.3                | 9,288.2                 | 132.09                    | 71.319            |                    |          |
| 22,400.0                | 12,650.0              | 17,533.0              | 11,109.9              | 185.2            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 9,512.4                | 9,380.5                 | 131.91                    | 72.114            |                    |          |
| 22,500.0                | 12,650.0              | 17,533.0              | 11,109.9              | 186.8            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 9,604.7                | 9,472.9                 | 131.74                    | 72.909            |                    |          |
| 22,600.0                | 12,650.0              | 17,533.0              | 11,109.9              | 188.4            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 9,697.1                | 9,565.5                 | 131.57                    | 73.703            |                    |          |
| 22,700.0                | 12,650.0              | 17,533.0              | 11,109.9              | 190.0            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 9,789.7                | 9,658.3                 | 131.41                    | 74.498            |                    |          |
| 22,800.0                | 12,650.0              | 17,533.0              | 11,109.9              | 191.6            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 9,882.4                | 9,751.2                 | 131.25                    | 75.292            |                    |          |
| 22,884.1                | 12,650.0              | 17,533.0              | 11,109.9              | 193.0            | 116.9         | -66.70                | -2,068.4                            | 3,418.5      | 9,960.5                | 9,829.4                 | 131.13                    | 75.960            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design          |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-MWMD |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference              |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)  | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 0.0                    | 0.0                   | 0.0                   | 0.0                   | 0.0              | 0.0           | 42.26                 | 4,538.5                             | 4,124.0      | 6,132.9                |                         |                           |                    |          |
| 100.0                  | 100.0                 | 17.0                  | 17.0                  | 0.1              | 0.0           | 42.26                 | 4,538.5                             | 4,124.0      | 6,132.3                | 6,132.2                 | 0.15                      | N/A                |          |
| 200.0                  | 200.0                 | 117.0                 | 117.0                 | 0.5              | 0.2           | 42.26                 | 4,538.5                             | 4,124.0      | 6,132.3                | 6,131.6                 | 0.68                      | 9,075.245          |          |
| 300.0                  | 300.0                 | 217.0                 | 217.0                 | 0.8              | 0.5           | 42.26                 | 4,538.5                             | 4,124.0      | 6,132.3                | 6,130.9                 | 1.39                      | 4,403.306          |          |
| 400.0                  | 400.0                 | 317.0                 | 317.0                 | 1.2              | 0.9           | 42.26                 | 4,538.5                             | 4,124.0      | 6,132.3                | 6,130.2                 | 2.11                      | 2,906.855          |          |
| 500.0                  | 500.0                 | 417.0                 | 417.0                 | 1.6              | 1.3           | 42.26                 | 4,538.5                             | 4,124.0      | 6,132.3                | 6,129.5                 | 2.83                      | 2,169.543          |          |
| 600.0                  | 600.0                 | 517.0                 | 517.0                 | 1.9              | 1.6           | 42.26                 | 4,538.5                             | 4,124.0      | 6,132.3                | 6,128.8                 | 3.54                      | 1,730.586          |          |
| 700.0                  | 700.0                 | 617.0                 | 617.0                 | 2.3              | 2.0           | 42.26                 | 4,538.5                             | 4,124.0      | 6,132.3                | 6,128.1                 | 4.26                      | 1,439.364          |          |
| 800.0                  | 800.0                 | 717.0                 | 717.0                 | 2.6              | 2.3           | 42.26                 | 4,538.5                             | 4,124.0      | 6,132.3                | 6,127.3                 | 4.98                      | 1,232.038          |          |
| 900.0                  | 900.0                 | 817.0                 | 817.0                 | 3.0              | 2.7           | 42.26                 | 4,538.5                             | 4,124.0      | 6,132.3                | 6,126.6                 | 5.69                      | 1,076.918          |          |
| 1,000.0                | 1,000.0               | 917.0                 | 917.0                 | 3.4              | 3.1           | 42.26                 | 4,538.5                             | 4,124.0      | 6,132.3                | 6,125.9                 | 6.41                      | 956.491            |          |
| 1,100.0                | 1,100.0               | 1,017.0               | 1,017.0               | 3.7              | 3.4           | 42.26                 | 4,538.5                             | 4,124.0      | 6,132.3                | 6,125.2                 | 7.13                      | 860.289            |          |
| 1,200.0                | 1,200.0               | 1,117.0               | 1,117.0               | 4.1              | 3.8           | 42.26                 | 4,538.5                             | 4,124.0      | 6,132.3                | 6,124.5                 | 7.85                      | 781.670            |          |
| 1,300.0                | 1,300.0               | 1,217.0               | 1,217.0               | 4.4              | 4.1           | 42.26                 | 4,538.5                             | 4,124.0      | 6,132.3                | 6,123.8                 | 8.56                      | 716.217            |          |
| 1,400.0                | 1,400.0               | 1,317.0               | 1,317.0               | 4.8              | 4.5           | 42.26                 | 4,538.5                             | 4,124.0      | 6,132.3                | 6,123.0                 | 9.28                      | 660.879            |          |
| 1,500.0                | 1,500.0               | 1,417.0               | 1,417.0               | 5.1              | 4.8           | 42.26                 | 4,538.5                             | 4,124.0      | 6,132.3                | 6,122.3                 | 10.00                     | 613.478            |          |
| 1,600.0                | 1,600.0               | 2,010.0               | 2,009.3               | 5.5              | 6.9           | 42.17                 | 4,529.9                             | 4,103.0      | 6,131.6                | 6,119.3                 | 12.37                     | 495.817            |          |
| 1,700.0                | 1,700.0               | 2,389.4               | 2,385.9               | 5.9              | 8.3           | 41.98                 | 4,512.6                             | 4,060.9      | 6,119.3                | 6,105.3                 | 14.01                     | 436.864            |          |
| 1,800.0                | 1,800.0               | 2,488.4               | 2,483.9               | 6.2              | 8.6           | 41.93                 | 4,507.4                             | 4,048.1      | 6,106.7                | 6,092.0                 | 14.71                     | 415.018            |          |
| 1,900.0                | 1,900.0               | 2,587.4               | 2,582.0               | 6.6              | 9.0           | 41.87                 | 4,502.1                             | 4,035.4      | 6,094.2                | 6,078.7                 | 15.42                     | 395.119            |          |
| 2,000.0                | 2,000.0               | 2,686.4               | 2,680.1               | 6.9              | 9.4           | 41.81                 | 4,496.9                             | 4,022.6      | 6,081.6                | 6,065.5                 | 16.13                     | 376.924            |          |
| 2,100.0                | 2,100.0               | 2,785.5               | 2,778.1               | 7.3              | 9.8           | 41.76                 | 4,491.7                             | 4,009.9      | 6,069.1                | 6,052.2                 | 16.85                     | 360.228            |          |
| 2,200.0                | 2,200.0               | 2,884.5               | 2,876.2               | 7.7              | 10.2          | 41.70                 | 4,486.4                             | 3,997.2      | 6,056.5                | 6,039.0                 | 17.56                     | 344.858            |          |
| 2,300.0                | 2,300.0               | 2,983.5               | 2,974.3               | 8.0              | 10.6          | 41.64                 | 4,481.2                             | 3,984.4      | 6,044.0                | 6,025.7                 | 18.28                     | 330.664            |          |
| 2,400.0                | 2,400.0               | 3,082.5               | 3,072.3               | 8.4              | 11.0          | 41.58                 | 4,476.0                             | 3,971.7      | 6,031.5                | 6,012.5                 | 19.00                     | 317.519            |          |
| 2,500.0                | 2,500.0               | 3,181.6               | 3,170.4               | 8.7              | 11.4          | 41.53                 | 4,470.7                             | 3,958.9      | 6,019.0                | 5,999.2                 | 19.71                     | 305.313            |          |
| 2,600.0                | 2,600.0               | 3,280.6               | 3,268.5               | 9.1              | 11.8          | 41.47                 | 4,465.5                             | 3,946.2      | 6,006.4                | 5,986.0                 | 20.43                     | 293.950            |          |
| 2,700.0                | 2,700.0               | 3,379.6               | 3,366.5               | 9.4              | 12.1          | 41.41                 | 4,460.2                             | 3,933.4      | 5,993.9                | 5,972.8                 | 21.15                     | 283.348            |          |
| 2,800.0                | 2,800.0               | 3,478.6               | 3,464.6               | 9.8              | 12.5          | 41.35                 | 4,455.0                             | 3,920.7      | 5,981.4                | 5,959.6                 | 21.88                     | 273.433            |          |
| 2,900.0                | 2,900.0               | 3,577.7               | 3,562.6               | 10.2             | 12.9          | 41.29                 | 4,449.8                             | 3,907.9      | 5,968.9                | 5,946.3                 | 22.60                     | 264.142            |          |
| 3,000.0                | 3,000.0               | 3,676.7               | 3,660.7               | 10.5             | 13.4          | 41.23                 | 4,444.5                             | 3,895.2      | 5,956.5                | 5,933.1                 | 23.32                     | 255.419            |          |
| 3,100.0                | 3,100.0               | 3,775.7               | 3,758.8               | 10.9             | 13.8          | 41.17                 | 4,439.3                             | 3,882.4      | 5,944.0                | 5,919.9                 | 24.04                     | 247.213            |          |
| 3,200.0                | 3,200.0               | 3,874.8               | 3,856.8               | 11.2             | 14.2          | 41.11                 | 4,434.1                             | 3,869.7      | 5,931.5                | 5,906.7                 | 24.77                     | 239.480            |          |
| 3,300.0                | 3,300.0               | 3,973.8               | 3,954.9               | 11.6             | 14.6          | 41.05                 | 4,428.8                             | 3,856.9      | 5,919.0                | 5,893.5                 | 25.49                     | 232.182            |          |
| 3,400.0                | 3,400.0               | 4,072.8               | 4,053.0               | 12.0             | 15.0          | 40.99                 | 4,423.6                             | 3,844.2      | 5,906.6                | 5,880.3                 | 26.22                     | 225.282            |          |
| 3,500.0                | 3,500.0               | 4,171.8               | 4,151.0               | 12.3             | 15.4          | 40.93                 | 4,418.4                             | 3,831.4      | 5,894.1                | 5,867.2                 | 26.94                     | 218.750            |          |
| 3,600.0                | 3,600.0               | 4,270.9               | 4,249.1               | 12.7             | 15.8          | 40.87                 | 4,413.1                             | 3,818.7      | 5,881.7                | 5,854.0                 | 27.67                     | 212.557            |          |
| 3,700.0                | 3,700.0               | 4,369.9               | 4,347.1               | 13.0             | 16.2          | 40.81                 | 4,407.9                             | 3,805.9      | 5,869.2                | 5,840.8                 | 28.40                     | 206.678            |          |
| 3,800.0                | 3,800.0               | 4,468.9               | 4,445.2               | 13.4             | 16.6          | 40.75                 | 4,402.6                             | 3,793.2      | 5,856.8                | 5,827.6                 | 29.13                     | 201.089            |          |
| 3,900.0                | 3,900.0               | 4,567.7               | 4,543.0               | 13.7             | 17.0          | -49.54                | 4,397.4                             | 3,780.5      | 5,843.2                | 5,813.4                 | 29.84                     | 195.795            |          |
| 4,000.0                | 3,999.8               | 4,665.9               | 4,640.3               | 14.1             | 17.4          | -49.88                | 4,392.2                             | 3,767.8      | 5,827.4                | 5,796.9                 | 30.55                     | 190.737            |          |
| 4,100.0                | 4,099.6               | 4,722.3               | 4,696.2               | 14.4             | 17.6          | -49.95                | 4,389.2                             | 3,760.6      | 5,810.7                | 5,779.6                 | 31.12                     | 186.706            |          |
| 4,200.0                | 4,199.4               | 4,800.0               | 4,773.2               | 14.8             | 18.0          | -50.03                | 4,385.4                             | 3,751.3      | 5,794.7                | 5,763.0                 | 31.76                     | 182.440            |          |
| 4,300.0                | 4,299.1               | 4,800.0               | 4,773.2               | 15.1             | 18.0          | -50.03                | 4,385.4                             | 3,751.3      | 5,779.8                | 5,747.6                 | 32.14                     | 179.827            |          |
| 4,400.0                | 4,398.9               | 4,865.5               | 4,838.3               | 15.5             | 18.2          | -50.10                | 4,382.7                             | 3,744.6      | 5,765.7                | 5,732.9                 | 32.74                     | 176.116            |          |
| 4,500.0                | 4,498.6               | 4,900.0               | 4,872.6               | 15.8             | 18.4          | -50.14                | 4,381.4                             | 3,741.5      | 5,752.6                | 5,719.4                 | 33.23                     | 173.122            |          |
| 4,600.0                | 4,598.5               | 4,950.1               | 4,922.5               | 16.2             | 18.5          | -50.05                | 4,379.8                             | 3,737.5      | 5,741.4                | 5,707.6                 | 33.77                     | 170.021            |          |
| 4,700.0                | 4,698.4               | 5,000.0               | 4,972.3               | 16.5             | 18.7          | -49.98                | 4,378.4                             | 3,734.1      | 5,732.9                | 5,698.6                 | 34.31                     | 167.112            |          |
| 4,766.7                | 4,765.1               | 5,000.0               | 4,972.3               | 16.8             | 18.7          | 40.07                 | 4,378.4                             | 3,734.1      | 5,728.7                | 5,694.2                 | 34.55                     | 165.818            |          |
| 4,800.0                | 4,798.4               | 5,035.5               | 5,007.8               | 16.9             | 18.9          | 40.06                 | 4,377.5                             | 3,732.0      | 5,726.9                | 5,692.1                 | 34.79                     | 164.592            |          |
| 4,900.0                | 4,898.4               | 5,100.0               | 5,072.1               | 17.2             | 19.1          | 40.04                 | 4,376.3                             | 3,729.1      | 5,722.4                | 5,687.0                 | 35.39                     | 161.717            |          |
| 5,000.0                | 4,998.4               | 5,100.0               | 5,072.1               | 17.6             | 19.1          | 40.04                 | 4,376.3                             | 3,729.1      | 5,718.7                | 5,683.0                 | 35.74                     | 159.993            |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design          |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 0-MWMD |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
| Reference              |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   | Warning            |          |
| Measured Depth (usft)  | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 5,100.0                | 5,098.4               | 5,164.3               | 5,136.5               | 17.9             | 19.3          | 40.03                 | 4,375.5                             | 3,727.2      | 5,716.0                | 5,679.7                 | 36.33                     | 157.355           |                    |          |
| 5,200.0                | 5,198.4               | 5,200.0               | 5,172.1               | 18.3             | 19.4          | 40.03                 | 4,375.3                             | 3,726.5      | 5,714.4                | 5,677.6                 | 36.80                     | 155.277           |                    |          |
| 5,300.0                | 5,298.4               | 5,255.7               | 5,227.8               | 18.7             | 19.6          | 40.03                 | 4,375.1                             | 3,726.2      | 5,713.8                | 5,676.5                 | 37.34                     | 153.011           |                    |          |
| 5,338.0                | 5,336.4               | 5,281.3               | 5,253.4               | 18.8             | 19.7          | 40.03                 | 4,375.1                             | 3,726.2      | 5,713.8                | 5,676.2                 | 37.56                     | 152.114           |                    |          |
| 5,400.0                | 5,398.4               | 5,343.3               | 5,315.4               | 19.0             | 19.9          | 40.03                 | 4,375.1                             | 3,726.2      | 5,713.8                | 5,675.8                 | 37.99                     | 150.389           |                    |          |
| 5,500.0                | 5,498.4               | 5,443.3               | 5,415.4               | 19.4             | 20.2          | 40.03                 | 4,375.1                             | 3,726.2      | 5,713.8                | 5,675.1                 | 38.69                     | 147.685           |                    |          |
| 5,600.0                | 5,598.4               | 5,543.3               | 5,515.4               | 19.7             | 20.6          | 40.03                 | 4,375.1                             | 3,726.2      | 5,713.8                | 5,674.4                 | 39.39                     | 145.073           |                    |          |
| 5,700.0                | 5,698.4               | 5,643.3               | 5,615.4               | 20.1             | 20.9          | 40.03                 | 4,375.1                             | 3,726.2      | 5,713.8                | 5,673.7                 | 40.08                     | 142.550           |                    |          |
| 5,766.7                | 5,765.1               | 5,710.0               | 5,682.1               | 20.3             | 21.1          | 40.03                 | 4,375.1                             | 3,726.2      | 5,713.8                | 5,673.2                 | 40.55                     | 140.915           |                    |          |
| 5,800.0                | 5,798.4               | 5,743.3               | 5,715.4               | 20.4             | 21.2          | -138.29               | 4,375.1                             | 3,726.2      | 5,713.9                | 5,673.2                 | 40.78                     | 140.132           |                    |          |
| 5,900.0                | 5,898.4               | 5,843.3               | 5,815.4               | 20.8             | 21.5          | -138.28               | 4,375.1                             | 3,726.2      | 5,716.1                | 5,674.7                 | 41.44                     | 137.927           |                    |          |
| 6,000.0                | 5,998.1               | 5,943.0               | 5,915.1               | 21.1             | 21.9          | -138.26               | 4,375.1                             | 3,726.2      | 5,720.9                | 5,678.8                 | 42.11                     | 135.848           |                    |          |
| 6,100.0                | 6,097.7               | 6,042.6               | 6,014.7               | 21.4             | 22.2          | -138.23               | 4,375.1                             | 3,726.2      | 5,728.3                | 5,685.5                 | 42.78                     | 133.893           |                    |          |
| 6,200.0                | 6,196.8               | 6,141.7               | 6,113.8               | 21.8             | 22.5          | -138.19               | 4,375.1                             | 3,726.2      | 5,738.3                | 5,694.8                 | 43.45                     | 132.057           |                    |          |
| 6,229.5                | 6,225.9               | 6,170.8               | 6,142.9               | 21.8             | 22.6          | -138.17               | 4,375.1                             | 3,726.2      | 5,741.7                | 5,698.0                 | 43.65                     | 131.537           |                    |          |
| 6,300.0                | 6,295.5               | 6,240.4               | 6,212.5               | 22.1             | 22.9          | -138.24               | 4,375.1                             | 3,726.2      | 5,750.2                | 5,706.1                 | 44.12                     | 130.319           |                    |          |
| 6,400.0                | 6,394.2               | 6,339.1               | 6,311.2               | 22.4             | 23.2          | -138.35               | 4,375.1                             | 3,726.2      | 5,762.3                | 5,717.5                 | 44.80                     | 128.630           |                    |          |
| 6,500.0                | 6,492.9               | 6,437.8               | 6,409.9               | 22.7             | 23.5          | -138.46               | 4,375.1                             | 3,726.2      | 5,774.4                | 5,728.9                 | 45.47                     | 126.983           |                    |          |
| 6,600.0                | 6,591.6               | 6,536.5               | 6,508.6               | 23.1             | 23.8          | -138.56               | 4,375.1                             | 3,726.2      | 5,786.5                | 5,740.3                 | 46.15                     | 125.378           |                    |          |
| 6,700.0                | 6,690.3               | 6,635.2               | 6,607.3               | 23.4             | 24.2          | -138.67               | 4,375.1                             | 3,726.2      | 5,798.6                | 5,751.8                 | 46.83                     | 123.814           |                    |          |
| 6,800.0                | 6,789.0               | 6,733.9               | 6,706.0               | 23.8             | 24.5          | -138.77               | 4,375.1                             | 3,726.2      | 5,810.8                | 5,763.3                 | 47.52                     | 122.289           |                    |          |
| 6,900.0                | 6,887.7               | 6,832.6               | 6,804.7               | 24.1             | 24.8          | -138.87               | 4,375.1                             | 3,726.2      | 5,823.0                | 5,774.8                 | 48.20                     | 120.802           |                    |          |
| 7,000.0                | 6,986.4               | 6,931.3               | 6,903.4               | 24.5             | 25.2          | -138.98               | 4,375.1                             | 3,726.2      | 5,835.2                | 5,786.3                 | 48.89                     | 119.352           |                    |          |
| 7,100.0                | 7,085.1               | 7,030.0               | 7,002.1               | 24.8             | 25.5          | -139.08               | 4,375.1                             | 3,726.2      | 5,847.4                | 5,797.8                 | 49.58                     | 117.937           |                    |          |
| 7,200.0                | 7,183.8               | 7,128.7               | 7,100.8               | 25.2             | 25.8          | -99.75                | -170.2                              | 3,754.6      | 5,800.7                | 5,719.7                 | 80.95                     | 71.657            |                    |          |
| 7,300.0                | 7,282.5               | 7,227.4               | 7,200.0               | 25.6             | 26.2          | -99.51                | -186.3                              | 3,754.7      | 5,724.8                | 5,642.7                 | 82.04                     | 69.779            |                    |          |
| 7,400.0                | 7,381.2               | 7,326.1               | 7,298.7               | 25.9             | 26.5          | -99.27                | -202.3                              | 3,754.8      | 5,649.5                | 5,566.3                 | 83.21                     | 67.892            |                    |          |
| 7,500.0                | 7,479.8               | 7,424.7               | 7,397.3               | 26.3             | 26.9          | -99.03                | -218.4                              | 3,754.9      | 5,575.0                | 5,490.6                 | 84.41                     | 66.047            |                    |          |
| 7,600.0                | 7,578.5               | 7,523.4               | 7,496.0               | 26.7             | 27.3          | -98.79                | -234.5                              | 3,755.0      | 5,501.3                | 5,415.7                 | 85.63                     | 64.244            |                    |          |
| 7,700.0                | 7,677.2               | 7,622.1               | 7,594.7               | 27.0             | 27.7          | -98.55                | -250.6                              | 3,755.1      | 5,428.3                | 5,341.5                 | 86.88                     | 62.483            |                    |          |
| 7,800.0                | 7,775.9               | 7,720.8               | 7,693.4               | 27.4             | 28.1          | -98.31                | -266.7                              | 3,755.2      | 5,356.2                | 5,267.9                 | 88.29                     | 60.667            |                    |          |
| 7,900.0                | 7,874.6               | 7,819.5               | 7,792.1               | 27.8             | 28.5          | -98.07                | -282.7                              | 3,755.3      | 5,285.0                | 5,195.5                 | 89.44                     | 59.087            |                    |          |
| 8,000.0                | 7,973.3               | 7,918.2               | 7,890.8               | 28.2             | 28.9          | -97.83                | -298.8                              | 3,755.4      | 5,214.6                | 5,123.8                 | 90.76                     | 57.452            |                    |          |
| 8,100.0                | 8,072.0               | 8,016.9               | 7,989.5               | 28.6             | 29.3          | -97.59                | -314.9                              | 3,755.5      | 5,145.2                | 5,053.0                 | 92.11                     | 55.860            |                    |          |
| 8,200.0                | 8,170.7               | 8,115.6               | 8,088.2               | 28.9             | 29.6          | -97.35                | -331.0                              | 3,755.6      | 5,076.7                | 4,983.2                 | 93.48                     | 54.310            |                    |          |
| 8,300.0                | 8,269.4               | 8,214.3               | 8,186.9               | 29.3             | 30.0          | -97.11                | -347.1                              | 3,755.7      | 5,009.2                | 4,914.4                 | 94.87                     | 52.802            |                    |          |
| 8,400.0                | 8,368.1               | 8,313.0               | 8,285.6               | 29.7             | 30.4          | -96.87                | -363.1                              | 3,755.8      | 4,942.8                | 4,846.3                 | 96.52                     | 51.213            |                    |          |
| 8,500.0                | 8,466.8               | 8,411.7               | 8,384.3               | 30.1             | 30.8          | -96.62                | -379.2                              | 3,755.9      | 4,877.5                | 4,779.8                 | 97.72                     | 49.914            |                    |          |
| 8,600.0                | 8,565.5               | 8,510.4               | 8,483.0               | 30.5             | 31.2          | -96.38                | -395.3                              | 3,756.0      | 4,813.3                | 4,714.2                 | 99.18                     | 48.533            |                    |          |
| 8,700.0                | 8,664.2               | 8,609.1               | 8,581.7               | 30.9             | 31.6          | -96.14                | -411.4                              | 3,756.1      | 4,750.3                | 4,649.7                 | 100.65                    | 47.194            |                    |          |
| 8,800.0                | 8,762.9               | 8,707.8               | 8,680.4               | 31.3             | 32.0          | -95.89                | -427.5                              | 3,756.2      | 4,688.6                | 4,586.4                 | 102.15                    | 45.898            |                    |          |
| 8,900.0                | 8,861.6               | 8,806.5               | 8,779.1               | 31.7             | 32.4          | -95.65                | -443.6                              | 3,756.3      | 4,628.1                | 4,524.4                 | 103.67                    | 44.644            |                    |          |
| 9,000.0                | 8,960.3               | 8,905.2               | 8,877.8               | 32.1             | 32.8          | -95.41                | -459.6                              | 3,756.4      | 4,569.0                | 4,463.8                 | 105.20                    | 43.432            |                    |          |
| 9,100.0                | 9,059.0               | 9,003.9               | 8,976.5               | 32.5             | 33.2          | -95.16                | -475.7                              | 3,756.5      | 4,511.2                | 4,404.4                 | 106.74                    | 42.262            |                    |          |
| 9,200.0                | 9,157.7               | 9,102.6               | 9,075.2               | 32.9             | 33.6          | -94.92                | -491.8                              | 3,756.6      | 4,454.9                | 4,346.6                 | 108.30                    | 41.134            |                    |          |
| 9,300.0                | 9,256.4               | 9,201.3               | 9,173.9               | 33.3             | 34.0          | -94.68                | -507.9                              | 3,756.7      | 4,400.0                | 4,290.2                 | 109.87                    | 40.047            |                    |          |
| 9,400.0                | 9,355.1               | 9,300.0               | 9,272.6               | 33.7             | 34.4          | -94.43                | -524.0                              | 3,756.8      | 4,346.7                | 4,235.3                 | 111.45                    | 39.003            |                    |          |
| 9,500.0                | 9,453.8               | 9,398.7               | 9,371.3               | 34.1             | 34.8          | -94.19                | -540.0                              | 3,756.9      | 4,295.1                | 4,182.0                 | 113.03                    | 38.000            |                    |          |
| 9,600.0                | 9,552.5               | 9,497.4               | 9,469.9               | 34.5             | 35.2          | -93.94                | -556.1                              | 3,757.0      | 4,245.1                | 4,130.5                 | 114.61                    | 37.038            |                    |          |
| 9,700.0                | 9,651.2               | 9,596.1               | 9,568.7               | 34.9             | 35.6          | -93.70                | -572.2                              | 3,757.1      | 4,196.8                | 4,080.6                 | 116.21                    | 36.113            |                    |          |
| 9,800.0                | 9,749.9               | 9,694.8               | 9,667.4               | 35.3             | 36.0          | -93.45                | -588.3                              | 3,757.2      | 4,150.3                | 4,032.5                 | 117.77                    | 35.239            |                    |          |
| 9,900.0                | 9,848.6               | 9,793.5               | 9,766.1               | 35.7             | 36.4          | -93.21                | -604.4                              | 3,757.3      | 4,105.6                | 3,986.3                 | 119.34                    | 34.401            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design         |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 0-MWD |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
| Reference             |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   |                    | Warning  |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 10,000.0              | 9,947.3               | 16,347.6              | 11,570.0              | 36.1             | 94.2          | -92.96                | -620.4                              | 3,757.4      | 4,062.9                | 3,942.0                 | 120.90                    | 33.604            |                    |          |
| 10,100.0              | 10,046.0              | 16,363.7              | 11,570.0              | 36.5             | 94.5          | -92.72                | -636.5                              | 3,757.5      | 4,022.1                | 3,899.7                 | 122.45                    | 32.848            |                    |          |
| 10,200.0              | 10,144.7              | 16,379.8              | 11,570.0              | 36.9             | 94.7          | -92.47                | -652.6                              | 3,757.6      | 3,983.4                | 3,859.4                 | 123.97                    | 32.132            |                    |          |
| 10,300.0              | 10,243.4              | 16,404.2              | 11,570.0              | 37.3             | 95.1          | -92.22                | -668.7                              | 3,757.7      | 3,946.7                | 3,821.1                 | 125.58                    | 31.427            |                    |          |
| 10,400.0              | 10,342.1              | 16,411.9              | 11,570.0              | 37.7             | 95.2          | -91.98                | -684.8                              | 3,757.8      | 3,912.2                | 3,785.3                 | 126.93                    | 30.821            |                    |          |
| 10,500.0              | 10,440.8              | 16,428.0              | 11,570.0              | 38.1             | 95.4          | -91.73                | -700.8                              | 3,757.9      | 3,879.9                | 3,751.5                 | 128.37                    | 30.225            |                    |          |
| 10,600.0              | 10,539.5              | 16,444.1              | 11,570.0              | 38.5             | 95.7          | -91.48                | -716.9                              | 3,758.0      | 3,849.8                | 3,720.1                 | 129.76                    | 29.668            |                    |          |
| 10,700.0              | 10,638.2              | 16,460.2              | 11,570.0              | 39.0             | 95.9          | -91.24                | -733.0                              | 3,758.1      | 3,822.1                | 3,691.0                 | 131.11                    | 29.151            |                    |          |
| 10,800.0              | 10,736.9              | 16,476.2              | 11,570.0              | 39.4             | 96.1          | -90.99                | -749.1                              | 3,758.2      | 3,796.7                | 3,664.3                 | 132.42                    | 28.673            |                    |          |
| 10,900.0              | 10,835.6              | 16,507.7              | 11,570.0              | 39.8             | 96.6          | -90.74                | -765.2                              | 3,758.3      | 3,773.8                | 3,639.9                 | 133.89                    | 28.185            |                    |          |
| 11,000.0              | 10,934.3              | 16,508.4              | 11,570.0              | 40.2             | 96.6          | -90.50                | -781.2                              | 3,758.4      | 3,753.3                | 3,618.4                 | 134.86                    | 27.832            |                    |          |
| 11,100.0              | 11,033.0              | 16,524.5              | 11,570.0              | 40.6             | 96.9          | -90.25                | -797.3                              | 3,758.5      | 3,735.3                | 3,599.3                 | 135.98                    | 27.468            |                    |          |
| 11,200.0              | 11,131.7              | 16,540.6              | 11,570.0              | 41.0             | 97.1          | -90.00                | -813.4                              | 3,758.6      | 3,719.8                | 3,582.7                 | 137.05                    | 27.142            |                    |          |
| 11,300.0              | 11,230.4              | 16,556.7              | 11,570.0              | 41.4             | 97.4          | -89.76                | -829.5                              | 3,758.7      | 3,706.9                | 3,568.8                 | 138.04                    | 26.854            |                    |          |
| 11,400.0              | 11,329.1              | 16,572.7              | 11,570.0              | 41.9             | 97.6          | -89.51                | -845.6                              | 3,758.8      | 3,696.6                | 3,557.6                 | 138.96                    | 26.602            |                    |          |
| 11,500.0              | 11,427.8              | 16,588.8              | 11,570.0              | 42.3             | 97.8          | -89.26                | -861.6                              | 3,758.9      | 3,688.8                | 3,549.0                 | 139.80                    | 26.386            |                    |          |
| 11,535.3              | 11,462.6              | 16,594.5              | 11,570.0              | 42.4             | 97.9          | -89.18                | -867.3                              | 3,759.0      | 3,686.8                | 3,546.7                 | 140.08                    | 26.319            |                    |          |
| 11,600.0              | 11,526.5              | 16,604.4              | 11,570.0              | 42.7             | 98.1          | -88.98                | -877.2                              | 3,759.0      | 3,683.8                | 3,543.2                 | 140.56                    | 26.209            |                    |          |
| 11,700.0              | 11,625.7              | 16,617.5              | 11,570.0              | 43.1             | 98.3          | -88.74                | -890.3                              | 3,759.1      | 3,681.4                | 3,540.2                 | 141.18                    | 26.076            |                    |          |
| 11,736.8              | 11,662.2              | 16,621.6              | 11,570.0              | 43.2             | 98.3          | -88.67                | -894.5                              | 3,759.1      | 3,681.2                | 3,539.8                 | 141.37                    | 26.039 CC, ES     |                    |          |
| 11,800.0              | 11,725.1              | 16,628.0              | 11,570.0              | 43.5             | 98.4          | -88.58                | -900.8                              | 3,759.2      | 3,681.8                | 3,540.1                 | 141.67                    | 25.989            |                    |          |
| 11,900.0              | 11,824.8              | 16,635.9              | 11,570.0              | 43.9             | 98.5          | -88.51                | -908.7                              | 3,759.2      | 3,684.9                | 3,542.9                 | 142.02                    | 25.947            |                    |          |
| 12,000.0              | 11,924.7              | 16,641.2              | 11,570.0              | 44.2             | 98.6          | -88.52                | -914.0                              | 3,759.3      | 3,690.8                | 3,548.5                 | 142.23                    | 25.950            |                    |          |
| 12,100.0              | 12,024.6              | 16,643.9              | 11,570.0              | 44.6             | 98.7          | -88.60                | -916.7                              | 3,759.3      | 3,699.4                | 3,557.1                 | 142.30                    | 25.997            |                    |          |
| 12,152.4              | 12,077.0              | 16,644.2              | 11,570.0              | 44.7             | 98.7          | -89.64                | -917.0                              | 3,759.3      | 3,705.0                | 3,562.8                 | 142.28                    | 26.040            |                    |          |
| 12,200.0              | 12,124.6              | 16,646.2              | 11,570.0              | 44.9             | 98.7          | -93.69                | -919.0                              | 3,759.3      | 3,710.9                | 3,568.7                 | 142.28                    | 26.082            |                    |          |
| 12,250.0              | 12,174.2              | 16,652.5              | 11,570.0              | 45.1             | 98.8          | -92.87                | -925.3                              | 3,759.3      | 3,718.0                | 3,575.7                 | 142.35                    | 26.119            |                    |          |
| 12,300.0              | 12,223.0              | 16,663.1              | 11,570.0              | 45.3             | 99.0          | -91.91                | -935.9                              | 3,759.4      | 3,726.0                | 3,583.5                 | 142.49                    | 26.150            |                    |          |
| 12,350.0              | 12,270.7              | 16,677.9              | 11,570.0              | 45.6             | 99.2          | -90.80                | -950.7                              | 3,759.5      | 3,734.7                | 3,592.0                 | 142.69                    | 26.173            |                    |          |
| 12,400.0              | 12,317.0              | 16,703.3              | 11,570.0              | 45.8             | 99.6          | -89.58                | -969.6                              | 3,759.6      | 3,744.0                | 3,600.9                 | 143.07                    | 26.169            |                    |          |
| 12,450.0              | 12,361.4              | 16,719.6              | 11,570.0              | 46.1             | 99.8          | -88.27                | -992.4                              | 3,759.8      | 3,753.8                | 3,610.5                 | 143.33                    | 26.190            |                    |          |
| 12,500.0              | 12,403.7              | 16,746.2              | 11,570.0              | 46.4             | 100.2         | -86.88                | -1,019.0                            | 3,759.9      | 3,764.0                | 3,620.2                 | 143.75                    | 26.184            |                    |          |
| 12,550.0              | 12,443.5              | 16,776.4              | 11,570.0              | 46.7             | 100.7         | -85.46                | -1,049.2                            | 3,760.1      | 3,774.4                | 3,630.1                 | 144.25                    | 26.165            |                    |          |
| 12,600.0              | 12,480.5              | 16,809.9              | 11,570.0              | 47.1             | 101.2         | -84.02                | -1,082.7                            | 3,760.3      | 3,784.7                | 3,639.9                 | 144.82                    | 26.133            |                    |          |
| 12,650.0              | 12,514.4              | 16,846.5              | 11,570.0              | 47.4             | 101.7         | -82.61                | -1,119.3                            | 3,760.6      | 3,795.0                | 3,649.5                 | 145.47                    | 26.088            |                    |          |
| 12,700.0              | 12,545.0              | 16,885.9              | 11,570.0              | 47.8             | 102.3         | -81.24                | -1,158.7                            | 3,760.8      | 3,804.9                | 3,658.8                 | 146.19                    | 26.028            |                    |          |
| 12,750.0              | 12,572.0              | 16,927.8              | 11,570.0              | 48.1             | 103.0         | -79.95                | -1,200.7                            | 3,761.1      | 3,814.4                | 3,667.5                 | 146.97                    | 25.954            |                    |          |
| 12,800.0              | 12,595.3              | 16,971.9              | 11,570.0              | 48.5             | 103.6         | -78.77                | -1,244.8                            | 3,761.3      | 3,823.3                | 3,675.5                 | 147.82                    | 25.864            |                    |          |
| 12,850.0              | 12,614.6              | 17,017.9              | 11,570.0              | 48.9             | 104.3         | -77.71                | -1,290.7                            | 3,761.6      | 3,831.5                | 3,682.7                 | 148.74                    | 25.759            |                    |          |
| 12,900.0              | 12,629.8              | 17,065.4              | 11,570.0              | 49.3             | 105.1         | -76.79                | -1,338.2                            | 3,761.9      | 3,838.8                | 3,689.1                 | 149.72                    | 25.640            |                    |          |
| 12,950.0              | 12,640.8              | 17,114.0              | 11,570.0              | 49.7             | 105.8         | -76.02                | -1,386.8                            | 3,762.2      | 3,845.2                | 3,694.4                 | 150.75                    | 25.506            |                    |          |
| 13,000.0              | 12,647.6              | 17,163.4              | 11,570.0              | 50.1             | 106.6         | -75.42                | -1,436.2                            | 3,762.5      | 3,850.5                | 3,698.6                 | 151.84                    | 25.359            |                    |          |
| 13,052.4              | 12,650.0              | 17,215.5              | 11,570.0              | 50.5             | 107.4         | -74.97                | -1,488.4                            | 3,762.9      | 3,854.9                | 3,701.9                 | 153.02                    | 25.192            |                    |          |
| 13,100.0              | 12,650.0              | 17,263.1              | 11,570.0              | 50.9             | 108.1         | -75.00                | -1,535.9                            | 3,763.2      | 3,858.0                | 3,703.9                 | 154.12                    | 25.033            |                    |          |
| 13,200.0              | 12,650.0              | 17,363.0              | 11,570.0              | 51.8             | 109.6         | -75.04                | -1,635.8                            | 3,763.8      | 3,861.9                | 3,705.5                 | 156.45                    | 24.685            |                    |          |
| 13,267.5              | 12,650.0              | 17,430.5              | 11,570.0              | 52.4             | 110.7         | -75.04                | -1,703.3                            | 3,764.2      | 3,862.7                | 3,704.7                 | 158.04                    | 24.441            |                    |          |
| 13,300.0              | 12,650.0              | 17,463.0              | 11,570.0              | 52.7             | 111.2         | -75.04                | -1,735.8                            | 3,764.4      | 3,862.7                | 3,703.9                 | 158.82                    | 24.322            |                    |          |
| 13,400.0              | 12,650.0              | 17,563.0              | 11,570.0              | 53.6             | 112.7         | -75.04                | -1,835.8                            | 3,765.0      | 3,862.7                | 3,701.5                 | 161.22                    | 23.959            |                    |          |
| 13,500.0              | 12,650.0              | 17,663.0              | 11,570.0              | 54.6             | 114.3         | -75.04                | -1,935.8                            | 3,765.7      | 3,862.7                | 3,699.1                 | 163.67                    | 23.601            |                    |          |
| 13,600.0              | 12,650.0              | 17,783.8              | 11,570.0              | 55.6             | 116.1         | -75.04                | -2,056.7                            | 3,766.0      | 3,862.4                | 3,695.9                 | 166.49                    | 23.198            |                    |          |
| 13,629.8              | 12,650.0              | 17,793.2              | 11,570.0              | 55.9             | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 3,862.2                | 3,695.3                 | 166.90                    | 23.141            |                    |          |
| 13,700.0              | 12,650.0              | 17,793.2              | 11,570.0              | 56.6             | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 3,862.9                | 3,695.4                 | 167.47                    | 23.067            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design          |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-MWMD |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference              |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)  | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 13,800.0               | 12,650.0              | 17,793.2              | 11,570.0              | 57.6             | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 3,866.0                | 3,697.8                 | 168.24                    | 22.980             |          |
| 13,900.0               | 12,650.0              | 17,793.2              | 11,570.0              | 58.7             | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 3,871.7                | 3,702.7                 | 168.95                    | 22.916             |          |
| 14,000.0               | 12,650.0              | 17,793.2              | 11,570.0              | 59.8             | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 3,879.9                | 3,710.3                 | 169.61                    | 22.875             |          |
| 14,100.0               | 12,650.0              | 17,793.2              | 11,570.0              | 61.0             | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 3,890.8                | 3,720.5                 | 170.22                    | 22.858 SF          |          |
| 14,200.0               | 12,650.0              | 17,793.2              | 11,570.0              | 62.1             | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 3,904.1                | 3,733.3                 | 170.76                    | 22.864             |          |
| 14,300.0               | 12,650.0              | 17,793.2              | 11,570.0              | 63.3             | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 3,920.0                | 3,748.7                 | 171.23                    | 22.892             |          |
| 14,400.0               | 12,650.0              | 17,793.2              | 11,570.0              | 64.5             | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 3,938.3                | 3,766.6                 | 171.65                    | 22.944             |          |
| 14,500.0               | 12,650.0              | 17,793.2              | 11,570.0              | 65.7             | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 3,959.1                | 3,787.1                 | 172.00                    | 23.018             |          |
| 14,600.0               | 12,650.0              | 17,793.2              | 11,570.0              | 67.0             | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 3,982.2                | 3,809.9                 | 172.28                    | 23.114             |          |
| 14,700.0               | 12,650.0              | 17,793.2              | 11,570.0              | 68.2             | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 4,007.8                | 3,835.3                 | 172.50                    | 23.233             |          |
| 14,800.0               | 12,650.0              | 17,793.2              | 11,570.0              | 69.5             | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 4,035.6                | 3,863.0                 | 172.66                    | 23.373             |          |
| 14,900.0               | 12,650.0              | 17,793.2              | 11,570.0              | 70.8             | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 4,065.7                | 3,893.0                 | 172.76                    | 23.534             |          |
| 15,000.0               | 12,650.0              | 17,793.2              | 11,570.0              | 72.1             | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 4,098.1                | 3,925.3                 | 172.80                    | 23.716             |          |
| 15,100.0               | 12,650.0              | 17,793.2              | 11,570.0              | 73.4             | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 4,132.6                | 3,959.8                 | 172.78                    | 23.919             |          |
| 15,200.0               | 12,650.0              | 17,793.2              | 11,570.0              | 74.8             | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 4,169.2                | 3,996.5                 | 172.70                    | 24.141             |          |
| 15,300.0               | 12,650.0              | 17,793.2              | 11,570.0              | 76.1             | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 4,207.9                | 4,035.3                 | 172.58                    | 24.383             |          |
| 15,400.0               | 12,650.0              | 17,793.2              | 11,570.0              | 77.5             | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 4,248.6                | 4,076.2                 | 172.40                    | 24.644             |          |
| 15,500.0               | 12,650.0              | 17,793.2              | 11,570.0              | 78.8             | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 4,291.2                | 4,119.0                 | 172.18                    | 24.923             |          |
| 15,600.0               | 12,650.0              | 17,793.2              | 11,570.0              | 80.2             | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 4,335.7                | 4,163.8                 | 171.91                    | 25.221             |          |
| 15,700.0               | 12,650.0              | 17,793.2              | 11,570.0              | 81.6             | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 4,382.1                | 4,210.5                 | 171.60                    | 25.536             |          |
| 15,800.0               | 12,650.0              | 17,793.2              | 11,570.0              | 83.0             | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 4,430.2                | 4,258.9                 | 171.26                    | 25.869             |          |
| 15,900.0               | 12,650.0              | 17,793.2              | 11,570.0              | 84.4             | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 4,480.0                | 4,309.1                 | 170.88                    | 26.218             |          |
| 16,000.0               | 12,650.0              | 17,793.2              | 11,570.0              | 85.9             | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 4,531.5                | 4,361.0                 | 170.47                    | 26.583             |          |
| 16,100.0               | 12,650.0              | 17,793.2              | 11,570.0              | 87.3             | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 4,584.6                | 4,414.6                 | 170.03                    | 26.964             |          |
| 16,200.0               | 12,650.0              | 17,793.2              | 11,570.0              | 88.7             | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 4,639.3                | 4,469.7                 | 169.56                    | 27.360             |          |
| 16,300.0               | 12,650.0              | 17,793.2              | 11,570.0              | 90.2             | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 4,695.4                | 4,526.3                 | 169.08                    | 27.771             |          |
| 16,400.0               | 12,650.0              | 17,793.2              | 11,570.0              | 91.6             | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 4,753.0                | 4,584.4                 | 168.57                    | 28.196             |          |
| 16,500.0               | 12,650.0              | 17,793.2              | 11,570.0              | 93.1             | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 4,811.9                | 4,643.9                 | 168.04                    | 28.635             |          |
| 16,600.0               | 12,650.0              | 17,793.2              | 11,570.0              | 94.5             | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 4,872.2                | 4,704.7                 | 167.50                    | 29.088             |          |
| 16,700.0               | 12,650.0              | 17,793.2              | 11,570.0              | 96.0             | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 4,933.8                | 4,766.9                 | 166.95                    | 29.553             |          |
| 16,800.0               | 12,650.0              | 17,793.2              | 11,570.0              | 97.5             | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 4,996.7                | 4,830.3                 | 166.38                    | 30.031             |          |
| 16,900.0               | 12,650.0              | 17,793.2              | 11,570.0              | 99.0             | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 5,060.7                | 4,894.9                 | 165.81                    | 30.521             |          |
| 17,000.0               | 12,650.0              | 17,793.2              | 11,570.0              | 100.5            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 5,125.9                | 4,960.7                 | 165.23                    | 31.023             |          |
| 17,100.0               | 12,650.0              | 17,793.2              | 11,570.0              | 101.9            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 5,192.2                | 5,027.6                 | 164.64                    | 31.536             |          |
| 17,200.0               | 12,650.0              | 17,793.2              | 11,570.0              | 103.4            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 5,259.6                | 5,095.5                 | 164.05                    | 32.060             |          |
| 17,300.0               | 12,650.0              | 17,793.2              | 11,570.0              | 104.9            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 5,327.9                | 5,164.5                 | 163.46                    | 32.595             |          |
| 17,400.0               | 12,650.0              | 17,793.2              | 11,570.0              | 106.5            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 5,397.3                | 5,234.5                 | 162.87                    | 33.140             |          |
| 17,500.0               | 12,650.0              | 17,793.2              | 11,570.0              | 108.0            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 5,467.6                | 5,305.4                 | 162.27                    | 33.694             |          |
| 17,600.0               | 12,650.0              | 17,793.2              | 11,570.0              | 109.5            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 5,538.9                | 5,377.2                 | 161.68                    | 34.258             |          |
| 17,700.0               | 12,650.0              | 17,793.2              | 11,570.0              | 111.0            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 5,611.0                | 5,449.9                 | 161.09                    | 34.831             |          |
| 17,800.0               | 12,650.0              | 17,793.2              | 11,570.0              | 112.5            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 5,683.9                | 5,523.4                 | 160.51                    | 35.413             |          |
| 17,900.0               | 12,650.0              | 17,793.2              | 11,570.0              | 114.1            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 5,757.7                | 5,597.8                 | 159.92                    | 36.003             |          |
| 18,000.0               | 12,650.0              | 17,793.2              | 11,570.0              | 115.6            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 5,832.3                | 5,672.9                 | 159.35                    | 36.601             |          |
| 18,100.0               | 12,650.0              | 17,793.2              | 11,570.0              | 117.1            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 5,907.6                | 5,748.8                 | 158.77                    | 37.207             |          |
| 18,200.0               | 12,650.0              | 17,793.2              | 11,570.0              | 118.7            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 5,983.6                | 5,825.4                 | 158.21                    | 37.821             |          |
| 18,300.0               | 12,650.0              | 17,793.2              | 11,570.0              | 120.2            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 6,060.3                | 5,902.7                 | 157.65                    | 38.441             |          |
| 18,400.0               | 12,650.0              | 17,793.2              | 11,570.0              | 121.8            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 6,137.7                | 5,980.6                 | 157.10                    | 39.069             |          |
| 18,500.0               | 12,650.0              | 17,793.2              | 11,570.0              | 123.3            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 6,215.7                | 6,059.2                 | 156.56                    | 39.703             |          |
| 18,600.0               | 12,650.0              | 17,793.2              | 11,570.0              | 124.9            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 6,294.4                | 6,138.4                 | 156.02                    | 40.343             |          |
| 18,700.0               | 12,650.0              | 17,793.2              | 11,570.0              | 126.4            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 6,373.7                | 6,218.2                 | 155.49                    | 40.990             |          |
| 18,800.0               | 12,650.0              | 17,793.2              | 11,570.0              | 128.0            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 6,453.5                | 6,298.5                 | 154.97                    | 41.642             |          |
| 18,900.0               | 12,650.0              | 17,793.2              | 11,570.0              | 129.5            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 6,533.9                | 6,379.4                 | 154.46                    | 42.300             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design         |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-MWD |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference             |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 19,000.0              | 12,650.0              | 17,793.2              | 11,570.0              | 131.1            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 6,614.8                | 6,460.8                 | 153.96                    | 42.963             |          |
| 19,100.0              | 12,650.0              | 17,793.2              | 11,570.0              | 132.6            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 6,696.2                | 6,542.8                 | 153.47                    | 43.632             |          |
| 19,200.0              | 12,650.0              | 17,793.2              | 11,570.0              | 134.2            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 6,778.2                | 6,625.2                 | 152.99                    | 44.305             |          |
| 19,300.0              | 12,650.0              | 17,793.2              | 11,570.0              | 135.8            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 6,860.6                | 6,708.1                 | 152.51                    | 44.983             |          |
| 19,400.0              | 12,650.0              | 17,793.2              | 11,570.0              | 137.3            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 6,943.5                | 6,791.4                 | 152.05                    | 45.666             |          |
| 19,500.0              | 12,650.0              | 17,793.2              | 11,570.0              | 138.9            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 7,026.8                | 6,875.2                 | 151.59                    | 46.352             |          |
| 19,600.0              | 12,650.0              | 17,793.2              | 11,570.0              | 140.5            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 7,110.5                | 6,959.4                 | 151.15                    | 47.043             |          |
| 19,700.0              | 12,650.0              | 17,793.2              | 11,570.0              | 142.1            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 7,194.7                | 7,044.0                 | 150.71                    | 47.738             |          |
| 19,800.0              | 12,650.0              | 17,793.2              | 11,570.0              | 143.6            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 7,279.3                | 7,129.0                 | 150.29                    | 48.436             |          |
| 19,900.0              | 12,650.0              | 17,793.2              | 11,570.0              | 145.2            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 7,364.2                | 7,214.4                 | 149.87                    | 49.138             |          |
| 20,000.0              | 12,650.0              | 17,793.2              | 11,570.0              | 146.8            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 7,449.6                | 7,300.1                 | 149.46                    | 49.844             |          |
| 20,100.0              | 12,650.0              | 17,793.2              | 11,570.0              | 148.4            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 7,535.2                | 7,386.2                 | 149.06                    | 50.552             |          |
| 20,200.0              | 12,650.0              | 17,793.2              | 11,570.0              | 150.0            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 7,621.3                | 7,472.6                 | 148.67                    | 51.264             |          |
| 20,300.0              | 12,650.0              | 17,793.2              | 11,570.0              | 151.6            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 7,707.7                | 7,559.4                 | 148.29                    | 51.978             |          |
| 20,400.0              | 12,650.0              | 17,793.2              | 11,570.0              | 153.2            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 7,794.4                | 7,646.4                 | 147.91                    | 52.695             |          |
| 20,500.0              | 12,650.0              | 17,793.2              | 11,570.0              | 154.7            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 7,881.4                | 7,733.8                 | 147.55                    | 53.415             |          |
| 20,600.0              | 12,650.0              | 17,793.2              | 11,570.0              | 156.3            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 7,968.7                | 7,821.5                 | 147.20                    | 54.137             |          |
| 20,700.0              | 12,650.0              | 17,793.2              | 11,570.0              | 157.9            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 8,056.3                | 7,909.5                 | 146.85                    | 54.861             |          |
| 20,800.0              | 12,650.0              | 17,793.2              | 11,570.0              | 159.5            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 8,144.2                | 7,997.7                 | 146.51                    | 55.588             |          |
| 20,900.0              | 12,650.0              | 17,793.2              | 11,570.0              | 161.1            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 8,232.4                | 8,086.2                 | 146.18                    | 56.317             |          |
| 21,000.0              | 12,650.0              | 17,793.2              | 11,570.0              | 162.7            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 8,320.8                | 8,175.0                 | 145.86                    | 57.047             |          |
| 21,100.0              | 12,650.0              | 17,793.2              | 11,570.0              | 164.3            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 8,409.5                | 8,264.0                 | 145.54                    | 57.780             |          |
| 21,200.0              | 12,650.0              | 17,793.2              | 11,570.0              | 165.9            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 8,498.5                | 8,353.2                 | 145.24                    | 58.514             |          |
| 21,300.0              | 12,650.0              | 17,793.2              | 11,570.0              | 167.5            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 8,587.7                | 8,442.7                 | 144.94                    | 59.249             |          |
| 21,400.0              | 12,650.0              | 17,793.2              | 11,570.0              | 169.1            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 8,677.1                | 8,532.5                 | 144.65                    | 59.987             |          |
| 21,500.0              | 12,650.0              | 17,793.2              | 11,570.0              | 170.7            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 8,766.8                | 8,622.4                 | 144.37                    | 60.725             |          |
| 21,600.0              | 12,650.0              | 17,793.2              | 11,570.0              | 172.3            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 8,856.7                | 8,712.6                 | 144.09                    | 61.465             |          |
| 21,700.0              | 12,650.0              | 17,793.2              | 11,570.0              | 173.9            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 8,946.8                | 8,802.9                 | 143.82                    | 62.206             |          |
| 21,800.0              | 12,650.0              | 17,793.2              | 11,570.0              | 175.5            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 9,037.1                | 8,893.5                 | 143.56                    | 62.948             |          |
| 21,900.0              | 12,650.0              | 17,793.2              | 11,570.0              | 177.1            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 9,127.6                | 8,984.3                 | 143.31                    | 63.691             |          |
| 22,000.0              | 12,650.0              | 17,793.2              | 11,570.0              | 178.7            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 9,218.3                | 9,075.2                 | 143.06                    | 64.435             |          |
| 22,100.0              | 12,650.0              | 17,793.2              | 11,570.0              | 180.3            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 9,309.2                | 9,166.3                 | 142.82                    | 65.180             |          |
| 22,200.0              | 12,650.0              | 17,793.2              | 11,570.0              | 182.0            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 9,400.2                | 9,257.7                 | 142.59                    | 65.926             |          |
| 22,300.0              | 12,650.0              | 17,793.2              | 11,570.0              | 183.6            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 9,491.5                | 9,349.1                 | 142.36                    | 66.672             |          |
| 22,400.0              | 12,650.0              | 17,793.2              | 11,570.0              | 185.2            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 9,582.9                | 9,440.8                 | 142.14                    | 67.419             |          |
| 22,500.0              | 12,650.0              | 17,793.2              | 11,570.0              | 186.8            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 9,674.5                | 9,532.6                 | 141.93                    | 68.166             |          |
| 22,600.0              | 12,650.0              | 17,793.2              | 11,570.0              | 188.4            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 9,766.3                | 9,624.6                 | 141.72                    | 68.914             |          |
| 22,700.0              | 12,650.0              | 17,793.2              | 11,570.0              | 190.0            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 9,858.2                | 9,716.7                 | 141.52                    | 69.662             |          |
| 22,800.0              | 12,650.0              | 17,793.2              | 11,570.0              | 191.6            | 116.3         | -75.04                | -2,066.0                            | 3,766.0      | 9,950.3                | 9,809.0                 | 141.32                    | 70.411             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|-------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 187-MWD |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference               |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)   | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 0.0                     | 0.0                   | 0.0                   | 0.0                   | 0.0              | 0.0           | 42.26                 | 4,538.5                             | 4,124.0      | 6,132.9                |                         |                           |                    |          |
| 100.0                   | 100.0                 | 32.5                  | 32.5                  | 0.1              | 0.1           | 42.26                 | 4,538.5                             | 4,124.0      | 6,132.3                | 6,132.1                 | 0.18                      | N/A                |          |
| 200.0                   | 200.0                 | 223.5                 | 223.5                 | 0.5              | 0.3           | 42.26                 | 4,536.8                             | 4,123.0      | 6,131.3                | 6,130.5                 | 0.83                      | 7,355.796          |          |
| 300.0                   | 300.0                 | 286.7                 | 286.6                 | 0.8              | 0.6           | 42.27                 | 4,536.2                             | 4,123.0      | 6,130.3                | 6,128.8                 | 1.49                      | 4,119.223          |          |
| 400.0                   | 400.0                 | 391.3                 | 391.3                 | 1.2              | 1.0           | 42.27                 | 4,535.1                             | 4,122.3      | 6,129.1                | 6,126.9                 | 2.22                      | 2,761.985          |          |
| 500.0                   | 500.0                 | 527.2                 | 527.2                 | 1.6              | 1.5           | 42.26                 | 4,534.0                             | 4,120.3      | 6,127.5                | 6,124.5                 | 3.06                      | 2,001.018          |          |
| 600.0                   | 600.0                 | 612.6                 | 612.6                 | 1.9              | 1.8           | 42.26                 | 4,533.2                             | 4,119.0      | 6,125.8                | 6,122.1                 | 3.72                      | 1,644.539          |          |
| 700.0                   | 700.0                 | 680.8                 | 680.7                 | 2.3              | 2.1           | 42.26                 | 4,532.7                             | 4,118.3      | 6,124.5                | 6,120.2                 | 4.33                      | 1,415.444          |          |
| 800.0                   | 800.0                 | 782.1                 | 782.1                 | 2.6              | 2.4           | 42.25                 | 4,532.1                             | 4,117.3      | 6,123.5                | 6,118.4                 | 5.05                      | 1,213.202          |          |
| 900.0                   | 900.0                 | 926.9                 | 926.8                 | 3.0              | 2.9           | 42.25                 | 4,531.0                             | 4,115.4      | 6,122.0                | 6,116.1                 | 5.92                      | 1,033.411          |          |
| 1,000.0                 | 1,000.0               | 997.8                 | 997.7                 | 3.4              | 3.2           | 42.25                 | 4,530.3                             | 4,114.4      | 6,120.3                | 6,113.8                 | 6.54                      | 936.538            |          |
| 1,100.0                 | 1,100.0               | 1,048.0               | 1,047.9               | 3.7              | 3.4           | 42.24                 | 4,530.2                             | 4,113.7      | 6,119.4                | 6,112.3                 | 7.07                      | 865.320            |          |
| 1,200.0                 | 1,200.0               | 1,120.9               | 1,120.8               | 4.1              | 3.6           | 42.24                 | 4,530.5                             | 4,113.1      | 6,119.0                | 6,111.4                 | 7.68                      | 796.344            |          |
| 1,211.8                 | 1,211.8               | 1,128.9               | 1,128.8               | 4.1              | 3.6           | 42.24                 | 4,530.5                             | 4,113.1      | 6,119.0                | 6,111.3                 | 7.75                      | 789.133            |          |
| 1,300.0                 | 1,300.0               | 1,176.1               | 1,176.0               | 4.4              | 3.8           | 42.23                 | 4,530.8                             | 4,112.9      | 6,119.3                | 6,111.1                 | 8.23                      | 743.521            |          |
| 1,400.0                 | 1,400.0               | 1,232.0               | 1,231.9               | 4.8              | 4.0           | 42.23                 | 4,531.4                             | 4,113.2      | 6,120.4                | 6,111.6                 | 8.78                      | 697.369            |          |
| 1,500.0                 | 1,500.0               | 1,360.9               | 1,360.8               | 5.1              | 4.4           | 42.23                 | 4,532.5                             | 4,114.3      | 6,121.6                | 6,112.0                 | 9.56                      | 640.082            |          |
| 1,600.0                 | 1,600.0               | 1,450.4               | 1,450.3               | 5.5              | 4.7           | 42.23                 | 4,533.0                             | 4,114.9      | 6,122.5                | 6,112.3                 | 10.22                     | 598.910            |          |
| 1,700.0                 | 1,700.0               | 1,541.3               | 1,541.2               | 5.9              | 5.0           | 42.23                 | 4,533.9                             | 4,115.7      | 6,123.8                | 6,112.9                 | 10.89                     | 562.358            |          |
| 1,800.0                 | 1,800.0               | 1,641.6               | 1,641.4               | 6.2              | 5.4           | 42.23                 | 4,534.8                             | 4,116.3      | 6,124.9                | 6,113.3                 | 11.59                     | 528.412            |          |
| 1,900.0                 | 1,900.0               | 1,728.3               | 1,728.1               | 6.6              | 5.7           | 42.23                 | 4,535.7                             | 4,117.1      | 6,126.3                | 6,114.0                 | 12.25                     | 500.221            |          |
| 2,000.0                 | 2,000.0               | 1,835.2               | 1,835.1               | 6.9              | 6.0           | 42.24                 | 4,536.3                             | 4,118.7      | 6,127.7                | 6,114.7                 | 12.97                     | 472.309            |          |
| 2,100.0                 | 2,100.0               | 1,946.4               | 1,946.2               | 7.3              | 6.4           | 42.25                 | 4,536.7                             | 4,120.3      | 6,128.9                | 6,115.2                 | 13.72                     | 446.814            |          |
| 2,200.0                 | 2,200.0               | 2,029.2               | 2,029.0               | 7.7              | 6.7           | 42.25                 | 4,537.0                             | 4,121.5      | 6,130.2                | 6,115.8                 | 14.36                     | 426.822            |          |
| 2,300.0                 | 2,300.0               | 2,117.5               | 2,117.3               | 8.0              | 7.0           | 42.26                 | 4,537.6                             | 4,122.9      | 6,131.8                | 6,116.7                 | 15.03                     | 408.023            |          |
| 2,400.0                 | 2,400.0               | 2,242.8               | 2,242.6               | 8.4              | 7.5           | 42.27                 | 4,538.2                             | 4,125.0      | 6,133.3                | 6,117.4                 | 15.82                     | 387.578            |          |
| 2,500.0                 | 2,500.0               | 2,324.8               | 2,324.6               | 8.7              | 7.7           | 42.28                 | 4,538.5                             | 4,126.3      | 6,134.6                | 6,118.1                 | 16.47                     | 372.477            |          |
| 2,600.0                 | 2,600.0               | 3,010.9               | 3,009.3               | 9.1              | 10.1          | 42.17                 | 4,526.4                             | 4,099.3      | 6,126.6                | 6,107.4                 | 19.17                     | 319.641            |          |
| 2,700.0                 | 2,700.0               | 3,095.0               | 3,092.9               | 9.4              | 10.4          | 42.10                 | 4,525.9                             | 4,090.0      | 6,118.7                | 6,098.8                 | 19.82                     | 308.654            |          |
| 2,800.0                 | 2,800.0               | 3,169.0               | 3,166.4               | 9.8              | 10.7          | 42.05                 | 4,525.7                             | 4,081.8      | 6,111.1                | 6,090.6                 | 20.45                     | 298.854            |          |
| 2,900.0                 | 2,900.0               | 3,244.3               | 3,241.3               | 10.2             | 11.0          | 41.99                 | 4,525.9                             | 4,073.6      | 6,103.9                | 6,082.9                 | 21.08                     | 289.584            |          |
| 3,000.0                 | 3,000.0               | 3,321.6               | 3,318.2               | 10.5             | 11.3          | 41.93                 | 4,526.2                             | 4,065.5      | 6,097.2                | 6,075.5                 | 21.72                     | 280.766            |          |
| 3,100.0                 | 3,100.0               | 3,497.4               | 3,492.9               | 10.9             | 11.9          | 41.78                 | 4,527.5                             | 4,045.7      | 6,090.4                | 6,067.7                 | 22.69                     | 268.441            |          |
| 3,200.0                 | 3,200.0               | 3,637.0               | 3,631.1               | 11.2             | 12.4          | 41.64                 | 4,529.2                             | 4,026.4      | 6,082.0                | 6,058.4                 | 23.54                     | 258.326            |          |
| 3,300.0                 | 3,300.0               | 3,720.8               | 3,714.1               | 11.6             | 12.7          | 41.55                 | 4,530.4                             | 4,014.8      | 6,073.7                | 6,049.5                 | 24.21                     | 250.840            |          |
| 3,400.0                 | 3,400.0               | 3,802.1               | 3,794.6               | 12.0             | 13.1          | 41.46                 | 4,531.6                             | 4,003.6      | 6,065.6                | 6,040.8                 | 24.88                     | 243.837            |          |
| 3,500.0                 | 3,500.0               | 3,893.2               | 3,884.8               | 12.3             | 13.4          | 41.36                 | 4,533.0                             | 3,991.3      | 6,057.9                | 6,032.3                 | 25.57                     | 236.883            |          |
| 3,600.0                 | 3,600.0               | 3,996.1               | 3,986.8               | 12.7             | 13.8          | 41.26                 | 4,534.5                             | 3,977.6      | 6,050.1                | 6,023.8                 | 26.31                     | 229.930            |          |
| 3,700.0                 | 3,700.0               | 4,222.1               | 4,210.9               | 13.0             | 14.7          | 41.05                 | 4,534.0                             | 3,948.5      | 6,041.6                | 6,014.1                 | 27.47                     | 219.930            |          |
| 3,800.0                 | 3,800.0               | 4,302.0               | 4,290.2               | 13.4             | 15.0          | 40.99                 | 4,532.4                             | 3,938.5      | 6,031.8                | 6,003.7                 | 28.13                     | 214.419            |          |
| 3,900.0                 | 3,900.0               | 4,365.0               | 4,352.7               | 13.7             | 15.2          | -49.22                | 4,531.3                             | 3,931.0      | 6,021.6                | 5,992.8                 | 28.73                     | 209.624            |          |
| 4,000.0                 | 3,999.8               | 4,422.1               | 4,409.4               | 14.1             | 15.4          | -49.47                | 4,530.6                             | 3,924.7      | 6,009.8                | 5,980.5                 | 29.29                     | 205.176            |          |
| 4,100.0                 | 4,099.6               | 4,532.2               | 4,518.8               | 14.4             | 15.9          | -49.61                | 4,529.2                             | 3,912.3      | 5,996.9                | 5,966.9                 | 30.04                     | 199.650            |          |
| 4,200.0                 | 4,199.4               | 4,620.6               | 4,606.6               | 14.8             | 16.2          | -49.72                | 4,528.3                             | 3,902.2      | 5,984.1                | 5,953.4                 | 30.71                     | 194.847            |          |
| 4,300.0                 | 4,299.1               | 4,700.1               | 4,685.7               | 15.1             | 16.5          | -49.82                | 4,527.5                             | 3,893.3      | 5,971.6                | 5,940.2                 | 31.36                     | 190.432            |          |
| 4,400.0                 | 4,398.9               | 4,778.0               | 4,763.1               | 15.5             | 16.8          | -49.92                | 4,527.0                             | 3,884.7      | 5,959.5                | 5,927.5                 | 32.00                     | 186.231            |          |
| 4,500.0                 | 4,498.6               | 4,887.1               | 4,871.5               | 15.8             | 17.2          | -50.06                | 4,526.4                             | 3,872.7      | 5,947.4                | 5,914.7                 | 32.75                     | 181.598            |          |
| 4,600.0                 | 4,598.5               | 4,968.6               | 4,952.5               | 16.2             | 17.5          | -50.03                | 4,525.8                             | 3,863.8      | 5,936.2                | 5,902.8                 | 33.41                     | 177.693            |          |
| 4,700.0                 | 4,698.4               | 5,060.2               | 5,043.7               | 16.5             | 17.9          | -50.00                | 4,524.7                             | 3,854.9      | 5,927.0                | 5,892.9                 | 34.10                     | 173.837            |          |
| 4,766.7                 | 4,765.1               | 5,136.7               | 5,119.8               | 16.8             | 18.2          | 40.00                 | 4,523.7                             | 3,847.4      | 5,921.8                | 5,887.1                 | 34.61                     | 171.103            |          |
| 4,800.0                 | 4,798.4               | 5,171.0               | 5,153.9               | 16.9             | 18.3          | 39.98                 | 4,523.2                             | 3,844.0      | 5,919.3                | 5,884.4                 | 34.85                     | 169.826            |          |
| 4,900.0                 | 4,898.4               | 5,273.9               | 5,256.3               | 17.2             | 18.7          | 39.92                 | 4,521.7                             | 3,833.9      | 5,911.8                | 5,876.2                 | 35.59                     | 166.098            |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|-------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 187-MWD |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
| Reference               |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   | Warning            |          |
| Measured Depth (usft)   | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 5,000.0                 | 4,998.4               | 5,364.9               | 5,346.9               | 17.6             | 19.1          | 39.86                 | 4,520.4                             | 3,825.0      | 5,904.4                | 5,868.1                 | 36.29                     | 162.700           |                    |          |
| 5,100.0                 | 5,098.4               | 5,467.5               | 5,449.0               | 17.9             | 19.5          | 39.79                 | 4,519.0                             | 3,815.0      | 5,897.1                | 5,860.0                 | 37.03                     | 159.263           |                    |          |
| 5,200.0                 | 5,198.4               | 5,559.7               | 5,540.7               | 18.3             | 19.8          | 39.73                 | 4,517.8                             | 3,806.0      | 5,889.8                | 5,852.1                 | 37.73                     | 156.105           |                    |          |
| 5,300.0                 | 5,298.4               | 5,652.1               | 5,632.7               | 18.7             | 20.2          | 39.67                 | 4,516.7                             | 3,796.9      | 5,882.6                | 5,844.2                 | 38.43                     | 153.062           |                    |          |
| 5,400.0                 | 5,398.4               | 5,740.9               | 5,721.1               | 19.0             | 20.5          | 39.61                 | 4,515.6                             | 3,788.5      | 5,875.6                | 5,836.5                 | 39.12                     | 150.178           |                    |          |
| 5,500.0                 | 5,498.4               | 5,828.2               | 5,808.0               | 19.4             | 20.8          | 39.56                 | 4,514.5                             | 3,780.5      | 5,868.8                | 5,829.0                 | 39.81                     | 147.424           |                    |          |
| 5,600.0                 | 5,598.4               | 5,952.3               | 5,931.6               | 19.7             | 21.3          | 39.49                 | 4,512.6                             | 3,769.5      | 5,862.0                | 5,821.4                 | 40.62                     | 144.323           |                    |          |
| 5,700.0                 | 5,698.4               | 5,977.7               | 5,957.0               | 20.1             | 21.4          | 39.47                 | 4,512.4                             | 3,767.2      | 5,855.5                | 5,814.4                 | 41.09                     | 142.495           |                    |          |
| 5,766.7                 | 5,765.1               | 5,997.4               | 5,976.6               | 20.3             | 21.5          | 39.46                 | 4,512.4                             | 3,765.5      | 5,851.9                | 5,810.5                 | 41.42                     | 141.295           |                    |          |
| 5,800.0                 | 5,798.4               | 6,007.3               | 5,986.4               | 20.4             | 21.5          | -138.89               | 4,512.6                             | 3,764.6      | 5,850.5                | 5,808.9                 | 41.57                     | 140.731           |                    |          |
| 5,899.8                 | 5,898.1               | 6,041.0               | 6,019.9               | 20.8             | 21.7          | -138.95               | 4,513.4                             | 3,761.5      | 5,848.6                | 5,806.6                 | 42.03                     | 139.139           |                    |          |
| 5,900.0                 | 5,898.4               | 6,041.0               | 6,019.9               | 20.8             | 21.7          | -138.95               | 4,513.4                             | 3,761.5      | 5,848.6                | 5,806.6                 | 42.04                     | 139.136           |                    |          |
| 6,000.0                 | 5,998.1               | 6,121.7               | 6,100.2               | 21.1             | 22.0          | -139.04               | 4,516.1                             | 3,754.1      | 5,850.2                | 5,807.5                 | 42.67                     | 137.101           |                    |          |
| 6,100.0                 | 6,097.7               | 6,213.8               | 6,191.9               | 21.4             | 22.3          | -139.13               | 4,519.6                             | 3,745.4      | 5,854.6                | 5,811.2                 | 43.35                     | 135.049           |                    |          |
| 6,200.0                 | 6,196.8               | 6,392.3               | 6,369.6               | 21.8             | 23.0          | -139.34               | 4,523.4                             | 3,729.6      | 5,860.7                | 5,816.4                 | 44.34                     | 132.164           |                    |          |
| 6,229.5                 | 6,225.9               | 6,421.6               | 6,398.8               | 21.8             | 23.1          | -139.36               | 4,523.7                             | 3,727.2      | 5,862.9                | 5,818.4                 | 44.55                     | 131.597           |                    |          |
| 6,300.0                 | 6,295.5               | 6,472.3               | 6,449.3               | 22.1             | 23.3          | -139.44               | 4,524.3                             | 3,723.2      | 5,868.6                | 5,823.6                 | 44.98                     | 130.475           |                    |          |
| 6,400.0                 | 6,394.2               | 6,549.3               | 6,526.2               | 22.4             | 23.6          | -139.57               | 4,525.1                             | 3,717.4      | 5,877.1                | 5,831.5                 | 45.60                     | 128.873           |                    |          |
| 6,500.0                 | 6,492.9               | 6,604.0               | 6,580.7               | 22.7             | 23.8          | -139.66               | 4,525.7                             | 3,713.6      | 5,886.0                | 5,839.8                 | 46.15                     | 127.547           |                    |          |
| 6,600.0                 | 6,591.6               | 6,652.0               | 6,628.6               | 23.1             | 24.0          | -139.73               | 4,526.1                             | 3,710.9      | 5,895.7                | 5,849.1                 | 46.66                     | 126.350           |                    |          |
| 6,700.0                 | 6,690.3               | 6,698.0               | 6,674.6               | 23.4             | 24.1          | -139.79               | 4,526.5                             | 3,709.5      | 5,906.6                | 5,859.4                 | 47.17                     | 125.228           |                    |          |
| 6,800.0                 | 6,789.0               | 6,742.0               | 6,718.6               | 23.8             | 24.3          | -139.84               | 4,526.7                             | 3,708.8      | 5,918.4                | 5,870.7                 | 47.66                     | 124.188           |                    |          |
| 6,900.0                 | 6,887.7               | 6,813.9               | 6,790.5               | 24.1             | 24.5          | -139.92               | 4,527.2                             | 3,708.4      | 5,930.8                | 5,882.6                 | 48.25                     | 122.929           |                    |          |
| 7,000.0                 | 6,986.4               | 6,962.0               | 6,938.6               | 24.5             | 25.0          | -140.07               | 4,527.3                             | 3,707.8      | 5,943.1                | 5,893.9                 | 49.11                     | 121.006           |                    |          |
| 7,100.0                 | 7,085.1               | 6,105.6               | 6,158.7               | 24.8             | 25.7          | -98.48                | -260.8                              | 3,741.0      | 5,883.1                | 5,801.4                 | 81.63                     | 72.066            |                    |          |
| 7,200.0                 | 7,183.8               | 6,122.5               | 6,158.7               | 25.2             | 25.9          | -98.23                | -277.6                              | 3,741.3      | 5,806.0                | 5,723.2                 | 82.78                     | 70.137            |                    |          |
| 7,300.0                 | 7,282.5               | 6,139.2               | 6,158.5               | 25.6             | 26.2          | -97.97                | -294.3                              | 3,741.6      | 5,729.5                | 5,645.6                 | 83.95                     | 68.253            |                    |          |
| 7,400.0                 | 7,381.2               | 6,155.7               | 6,158.9               | 25.9             | 26.4          | -97.72                | -310.8                              | 3,741.9      | 5,653.7                | 5,568.6                 | 85.14                     | 66.409            |                    |          |
| 7,500.0                 | 7,479.8               | 6,162.7               | 6,158.5               | 26.3             | 26.5          | -97.62                | -317.9                              | 3,742.0      | 5,578.7                | 5,492.5                 | 86.24                     | 64.691            |                    |          |
| 7,600.0                 | 7,578.5               | 6,171.9               | 6,158.5               | 26.7             | 26.7          | -97.48                | -327.1                              | 3,742.1      | 5,504.5                | 5,417.1                 | 87.39                     | 62.989            |                    |          |
| 7,700.0                 | 7,677.2               | 6,181.2               | 6,158.5               | 27.0             | 26.8          | -97.34                | -336.3                              | 3,742.3      | 5,431.0                | 5,342.5                 | 88.56                     | 61.324            |                    |          |
| 7,800.0                 | 7,775.9               | 6,190.4               | 6,158.4               | 27.4             | 26.9          | -97.20                | -345.5                              | 3,742.5      | 5,358.4                | 5,268.7                 | 89.76                     | 59.696            |                    |          |
| 7,900.0                 | 7,874.6               | 6,199.7               | 6,158.4               | 27.8             | 27.0          | -97.06                | -354.8                              | 3,742.7      | 5,286.7                | 5,195.7                 | 90.99                     | 58.105            |                    |          |
| 8,000.0                 | 7,973.3               | 6,209.1               | 6,158.4               | 28.2             | 27.1          | -96.91                | -364.2                              | 3,742.9      | 5,215.9                | 5,123.6                 | 92.23                     | 56.551            |                    |          |
| 8,100.0                 | 8,072.0               | 6,218.4               | 6,158.3               | 28.6             | 27.2          | -96.77                | -373.5                              | 3,743.1      | 5,146.0                | 5,052.5                 | 93.50                     | 55.035            |                    |          |
| 8,200.0                 | 8,170.7               | 6,227.9               | 6,158.3               | 28.9             | 27.3          | -96.63                | -382.9                              | 3,743.3      | 5,077.1                | 4,982.3                 | 94.80                     | 53.556            |                    |          |
| 8,300.0                 | 8,269.4               | 6,237.3               | 6,158.3               | 29.3             | 27.4          | -96.48                | -392.4                              | 3,743.5      | 5,009.2                | 4,913.1                 | 96.12                     | 52.116            |                    |          |
| 8,400.0                 | 8,368.1               | 6,245.0               | 6,158.3               | 29.7             | 27.5          | -96.37                | -400.1                              | 3,743.7      | 4,942.4                | 4,845.0                 | 97.43                     | 50.727            |                    |          |
| 8,500.0                 | 8,466.8               | 6,245.0               | 6,158.3               | 30.1             | 27.6          | -96.37                | -400.1                              | 3,743.7      | 4,876.7                | 4,778.1                 | 98.67                     | 49.426            |                    |          |
| 8,600.0                 | 8,565.5               | 6,245.0               | 6,158.3               | 30.5             | 27.7          | -96.37                | -400.1                              | 3,743.7      | 4,812.2                | 4,712.3                 | 99.92                     | 48.162            |                    |          |
| 8,700.0                 | 8,664.2               | 6,245.0               | 6,158.3               | 30.9             | 27.8          | -96.37                | -400.1                              | 3,743.7      | 4,749.0                | 4,647.8                 | 101.19                    | 46.933            |                    |          |
| 8,800.0                 | 8,762.9               | 6,245.0               | 6,158.3               | 31.3             | 27.9          | -96.37                | -400.1                              | 3,743.7      | 4,687.0                | 4,584.5                 | 102.47                    | 45.740            |                    |          |
| 8,900.0                 | 8,861.6               | 6,271.8               | 6,158.2               | 31.7             | 28.0          | -95.96                | -426.9                              | 3,744.4      | 4,626.1                | 4,522.0                 | 104.14                    | 44.423            |                    |          |
| 9,000.0                 | 8,960.3               | 6,277.4               | 6,158.2               | 32.1             | 28.1          | -95.87                | -432.5                              | 3,744.5      | 4,566.8                | 4,461.3                 | 105.53                    | 43.275            |                    |          |
| 9,100.0                 | 9,059.0               | 6,283.1               | 6,158.2               | 32.5             | 28.2          | -95.79                | -438.2                              | 3,744.7      | 4,508.8                | 4,401.9                 | 106.94                    | 42.164            |                    |          |
| 9,200.0                 | 9,157.7               | 6,289.0               | 6,158.1               | 32.9             | 28.3          | -95.70                | -444.1                              | 3,744.9      | 4,452.4                | 4,344.0                 | 108.35                    | 41.092            |                    |          |
| 9,300.0                 | 9,256.4               | 6,295.1               | 6,158.1               | 33.3             | 28.4          | -95.60                | -450.1                              | 3,745.1      | 4,397.4                | 4,287.7                 | 109.78                    | 40.058            |                    |          |
| 9,400.0                 | 9,355.1               | 6,301.3               | 6,158.1               | 33.7             | 28.5          | -95.51                | -456.3                              | 3,745.3      | 4,344.1                | 4,232.9                 | 111.21                    | 39.062            |                    |          |
| 9,500.0                 | 9,453.8               | 6,307.6               | 6,158.1               | 34.1             | 28.6          | -95.41                | -462.7                              | 3,745.5      | 4,292.4                | 4,179.7                 | 112.65                    | 38.104            |                    |          |
| 9,600.0                 | 9,552.5               | 6,314.2               | 6,158.1               | 34.5             | 28.7          | -95.31                | -469.2                              | 3,745.7      | 4,242.4                | 4,128.3                 | 114.09                    | 37.185            |                    |          |
| 9,700.0                 | 9,651.2               | 6,340.0               | 6,158.1               | 34.9             | 28.8          | -94.92                | -495.0                              | 3,746.7      | 4,194.2                | 4,078.4                 | 115.81                    | 36.215            |                    |          |
| 9,800.0                 | 9,749.9               | 6,340.0               | 6,158.1               | 35.3             | 28.9          | -94.92                | -495.0                              | 3,746.7      | 4,147.8                | 4,030.6                 | 117.15                    | 35.406            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|-------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 187-MWD |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
| Reference               |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   | Warning            |          |
| Measured Depth (usft)   | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 9,900.0                 | 9,848.6               | 16,340.0              | 11,581.5              | 35.7             | 93.2          | -94.92                | -495.0                              | 3,746.7      | 4,103.2                | 3,984.8                 | 118.47                    | 34.635            |                    |          |
| 10,000.0                | 9,947.3               | 16,345.8              | 11,581.5              | 36.1             | 93.3          | -94.83                | -500.8                              | 3,746.9      | 4,060.6                | 3,940.8                 | 119.86                    | 33.878            |                    |          |
| 10,100.0                | 10,046.0              | 16,364.4              | 11,581.4              | 36.5             | 93.6          | -94.54                | -519.4                              | 3,747.6      | 4,020.0                | 3,898.6                 | 121.44                    | 33.104            |                    |          |
| 10,200.0                | 10,144.7              | 16,382.8              | 11,581.4              | 36.9             | 93.8          | -94.26                | -537.8                              | 3,748.4      | 3,981.4                | 3,858.5                 | 122.99                    | 32.372            |                    |          |
| 10,300.0                | 10,243.4              | 16,401.1              | 11,581.3              | 37.3             | 94.1          | -93.98                | -556.1                              | 3,749.1      | 3,944.9                | 3,820.4                 | 124.52                    | 31.682            |                    |          |
| 10,400.0                | 10,342.1              | 16,419.2              | 11,581.2              | 37.7             | 94.4          | -93.71                | -574.1                              | 3,749.7      | 3,910.6                | 3,784.6                 | 126.01                    | 31.034            |                    |          |
| 10,500.0                | 10,440.8              | 16,437.0              | 11,581.2              | 38.1             | 94.6          | -93.43                | -592.0                              | 3,750.4      | 3,878.4                | 3,751.0                 | 127.47                    | 30.427            |                    |          |
| 10,600.0                | 10,539.5              | 16,452.7              | 11,581.1              | 38.5             | 94.9          | -93.19                | -607.6                              | 3,751.0      | 3,848.6                | 3,719.7                 | 128.85                    | 29.868            |                    |          |
| 10,700.0                | 10,638.2              | 16,468.8              | 11,581.0              | 39.0             | 95.1          | -92.95                | -623.8                              | 3,751.6      | 3,821.0                | 3,690.8                 | 130.20                    | 29.347            |                    |          |
| 10,800.0                | 10,736.9              | 16,485.1              | 11,581.0              | 39.4             | 95.4          | -92.70                | -640.0                              | 3,752.2      | 3,795.8                | 3,664.3                 | 131.50                    | 28.865            |                    |          |
| 10,900.0                | 10,835.6              | 16,501.5              | 11,580.9              | 39.8             | 95.6          | -92.44                | -656.4                              | 3,752.8      | 3,773.0                | 3,640.2                 | 132.75                    | 28.421            |                    |          |
| 11,000.0                | 10,934.3              | 16,518.0              | 11,580.9              | 40.2             | 95.9          | -92.19                | -672.8                              | 3,753.4      | 3,752.7                | 3,618.7                 | 133.95                    | 28.016            |                    |          |
| 11,100.0                | 11,033.0              | 16,535.1              | 11,580.8              | 40.6             | 96.1          | -91.93                | -690.0                              | 3,754.0      | 3,734.8                | 3,599.7                 | 135.10                    | 27.646            |                    |          |
| 11,200.0                | 11,131.7              | 16,553.3              | 11,580.8              | 41.0             | 96.4          | -91.65                | -708.1                              | 3,754.7      | 3,719.5                | 3,583.3                 | 136.19                    | 27.311            |                    |          |
| 11,300.0                | 11,230.4              | 16,571.5              | 11,580.8              | 41.4             | 96.7          | -91.37                | -726.4                              | 3,755.3      | 3,706.8                | 3,569.6                 | 137.22                    | 27.013            |                    |          |
| 11,400.0                | 11,329.1              | 16,589.9              | 11,580.8              | 41.9             | 96.9          | -91.09                | -744.7                              | 3,755.9      | 3,696.6                | 3,558.4                 | 138.18                    | 26.752            |                    |          |
| 11,500.0                | 11,427.8              | 16,608.4              | 11,580.8              | 42.3             | 97.2          | -90.80                | -763.2                              | 3,756.5      | 3,689.1                | 3,550.0                 | 139.06                    | 26.528            |                    |          |
| 11,535.3                | 11,462.6              | 16,614.9              | 11,580.8              | 42.4             | 97.3          | -90.70                | -769.8                              | 3,756.8      | 3,687.0                | 3,547.7                 | 139.36                    | 26.457            |                    |          |
| 11,600.0                | 11,526.5              | 16,626.4              | 11,580.8              | 42.7             | 97.5          | -90.48                | -781.2                              | 3,757.1      | 3,684.1                | 3,544.2                 | 139.86                    | 26.341            |                    |          |
| 11,700.0                | 11,625.7              | 16,641.7              | 11,580.8              | 43.1             | 97.7          | -90.21                | -796.5                              | 3,757.6      | 3,681.8                | 3,541.3                 | 140.53                    | 26.200            |                    |          |
| 11,737.5                | 11,662.9              | 16,646.6              | 11,580.8              | 43.2             | 97.8          | -90.13                | -801.4                              | 3,757.8      | 3,681.6                | 3,540.9                 | 140.74                    | 26.159 CC, ES     |                    |          |
| 11,800.0                | 11,725.1              | 16,654.0              | 11,580.8              | 43.5             | 97.9          | -90.03                | -808.8                              | 3,758.0      | 3,682.1                | 3,541.1                 | 141.05                    | 26.106            |                    |          |
| 11,900.0                | 11,824.8              | 16,663.2              | 11,580.8              | 43.9             | 98.0          | -89.93                | -818.0                              | 3,758.3      | 3,685.1                | 3,543.7                 | 141.42                    | 26.057            |                    |          |
| 12,000.0                | 11,924.7              | 16,669.5              | 11,580.8              | 44.2             | 98.1          | -89.92                | -824.3                              | 3,758.5      | 3,690.9                | 3,549.2                 | 141.66                    | 26.055            |                    |          |
| 12,100.0                | 12,024.6              | 16,672.7              | 11,580.8              | 44.6             | 98.2          | -89.99                | -827.5                              | 3,758.6      | 3,699.3                | 3,557.5                 | 141.74                    | 26.098            |                    |          |
| 12,152.4                | 12,077.0              | 16,673.1              | 11,580.8              | 44.7             | 98.2          | 88.25                 | -827.9                              | 3,758.6      | 3,704.7                | 3,563.0                 | 141.73                    | 26.139            |                    |          |
| 12,200.0                | 12,124.6              | 16,675.5              | 11,580.9              | 44.9             | 98.2          | -95.08                | -830.3                              | 3,758.7      | 3,710.5                | 3,568.8                 | 141.74                    | 26.179            |                    |          |
| 12,250.0                | 12,174.2              | 16,682.8              | 11,580.9              | 45.1             | 98.3          | -94.25                | -837.6                              | 3,758.9      | 3,717.6                | 3,575.8                 | 141.83                    | 26.213            |                    |          |
| 12,300.0                | 12,223.0              | 16,695.1              | 11,580.9              | 45.3             | 98.5          | -93.25                | -849.9                              | 3,759.3      | 3,725.7                | 3,583.7                 | 142.00                    | 26.238            |                    |          |
| 12,350.0                | 12,270.7              | 16,712.2              | 11,580.9              | 45.6             | 98.8          | -92.09                | -867.0                              | 3,759.8      | 3,734.6                | 3,592.3                 | 142.25                    | 26.254            |                    |          |
| 12,400.0                | 12,317.0              | 16,734.1              | 11,580.9              | 45.8             | 99.1          | -90.80                | -888.9                              | 3,760.4      | 3,744.2                | 3,601.6                 | 142.59                    | 26.259            |                    |          |
| 12,450.0                | 12,361.4              | 16,758.2              | 11,580.9              | 46.1             | 99.5          | -89.42                | -912.9                              | 3,761.1      | 3,754.4                | 3,611.4                 | 142.97                    | 26.261            |                    |          |
| 12,500.0                | 12,403.7              | 16,787.4              | 11,581.0              | 46.4             | 99.9          | -87.96                | -942.2                              | 3,761.9      | 3,765.0                | 3,621.6                 | 143.44                    | 26.248            |                    |          |
| 12,550.0                | 12,443.5              | 16,821.5              | 11,581.1              | 46.7             | 100.4         | -86.43                | -976.3                              | 3,762.8      | 3,775.8                | 3,631.8                 | 144.01                    | 26.219            |                    |          |
| 12,600.0                | 12,480.5              | 16,861.5              | 11,581.3              | 47.1             | 101.1         | -84.87                | -1,016.2                            | 3,763.9      | 3,786.7                | 3,642.0                 | 144.70                    | 26.170            |                    |          |
| 12,650.0                | 12,514.4              | 16,905.3              | 11,581.6              | 47.4             | 101.7         | -83.33                | -1,060.0                            | 3,764.9      | 3,797.5                | 3,652.0                 | 145.47                    | 26.105            |                    |          |
| 12,700.0                | 12,545.0              | 16,944.6              | 11,581.8              | 47.8             | 102.3         | -81.91                | -1,099.3                            | 3,765.9      | 3,807.9                | 3,661.7                 | 146.19                    | 26.047            |                    |          |
| 12,750.0                | 12,572.0              | 16,986.7              | 11,582.0              | 48.1             | 103.0         | -80.57                | -1,141.3                            | 3,766.9      | 3,818.0                | 3,671.0                 | 146.99                    | 25.975            |                    |          |
| 12,800.0                | 12,595.3              | 17,034.4              | 11,582.4              | 48.5             | 103.7         | -79.30                | -1,189.1                            | 3,768.0      | 3,827.5                | 3,679.6                 | 147.91                    | 25.877            |                    |          |
| 12,850.0                | 12,614.6              | 17,085.3              | 11,582.8              | 48.9             | 104.5         | -78.16                | -1,240.0                            | 3,769.1      | 3,836.2                | 3,687.3                 | 148.92                    | 25.760            |                    |          |
| 12,900.0                | 12,629.8              | 17,137.4              | 11,583.2              | 49.3             | 105.3         | -77.17                | -1,292.1                            | 3,770.3      | 3,844.1                | 3,694.1                 | 149.99                    | 25.630            |                    |          |
| 12,950.0                | 12,640.8              | 17,190.7              | 11,583.8              | 49.7             | 106.1         | -76.35                | -1,345.4                            | 3,771.4      | 3,850.9                | 3,699.8                 | 151.11                    | 25.485            |                    |          |
| 13,000.0                | 12,647.6              | 17,235.2              | 11,584.2              | 50.1             | 106.8         | -75.71                | -1,389.9                            | 3,772.3      | 3,856.8                | 3,704.7                 | 152.12                    | 25.354            |                    |          |
| 13,052.4                | 12,650.0              | 17,283.7              | 11,584.7              | 50.5             | 107.5         | -75.21                | -1,438.3                            | 3,773.3      | 3,861.9                | 3,708.6                 | 153.25                    | 25.200            |                    |          |
| 13,100.0                | 12,650.0              | 17,332.9              | 11,585.1              | 50.9             | 108.3         | -75.25                | -1,487.5                            | 3,774.4      | 3,865.6                | 3,711.2                 | 154.38                    | 25.039            |                    |          |
| 13,200.0                | 12,650.0              | 17,432.8              | 11,586.4              | 51.8             | 109.8         | -75.32                | -1,587.4                            | 3,776.6      | 3,870.8                | 3,714.0                 | 156.74                    | 24.696            |                    |          |
| 13,267.5                | 12,650.0              | 17,497.6              | 11,587.5              | 52.4             | 110.8         | -75.35                | -1,652.2                            | 3,778.2      | 3,872.4                | 3,714.1                 | 158.31                    | 24.462            |                    |          |
| 13,300.0                | 12,650.0              | 17,528.2              | 11,588.0              | 52.7             | 111.3         | -75.36                | -1,682.8                            | 3,778.9      | 3,872.8                | 3,713.8                 | 159.06                    | 24.349            |                    |          |
| 13,400.0                | 12,650.0              | 17,626.8              | 11,589.7              | 53.6             | 112.8         | -75.39                | -1,781.3                            | 3,781.4      | 3,874.3                | 3,712.8                 | 161.47                    | 23.994            |                    |          |
| 13,500.0                | 12,650.0              | 17,732.4              | 11,591.6              | 54.6             | 114.5         | -75.42                | -1,886.8                            | 3,784.1      | 3,875.6                | 3,711.6                 | 164.04                    | 23.626            |                    |          |
| 13,600.0                | 12,650.0              | 17,825.6              | 11,593.5              | 55.6             | 115.9         | -75.46                | -1,980.0                            | 3,786.4      | 3,876.9                | 3,710.5                 | 166.43                    | 23.294            |                    |          |
| 13,700.0                | 12,650.0              | 17,911.0              | 11,595.5              | 56.6             | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 3,878.2                | 3,709.5                 | 168.73                    | 22.985            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|-------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 187-MWD |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
| Reference               |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   | Warning            |          |
| Measured Depth (usft)   | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 13,800.0                | 12,650.0              | 17,911.0              | 11,595.5              | 57.6             | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 3,881.3                | 3,711.8                 | 169.52                    | 22.895            |                    |          |
| 13,900.0                | 12,650.0              | 17,911.0              | 11,595.5              | 58.7             | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 3,887.0                | 3,716.7                 | 170.27                    | 22.829            |                    |          |
| 14,000.0                | 12,650.0              | 17,911.0              | 11,595.5              | 59.8             | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 3,895.2                | 3,724.3                 | 170.95                    | 22.785            |                    |          |
| 14,100.0                | 12,650.0              | 17,911.0              | 11,595.5              | 61.0             | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 3,906.0                | 3,734.4                 | 171.58                    | 22.765 SF         |                    |          |
| 14,200.0                | 12,650.0              | 17,911.0              | 11,595.5              | 62.1             | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 3,919.3                | 3,747.2                 | 172.15                    | 22.767            |                    |          |
| 14,300.0                | 12,650.0              | 17,911.0              | 11,595.5              | 63.3             | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 3,935.1                | 3,762.5                 | 172.65                    | 22.793            |                    |          |
| 14,400.0                | 12,650.0              | 17,911.0              | 11,595.5              | 64.5             | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 3,953.4                | 3,780.3                 | 173.09                    | 22.841            |                    |          |
| 14,500.0                | 12,650.0              | 17,911.0              | 11,595.5              | 65.7             | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 3,974.1                | 3,800.7                 | 173.46                    | 22.911            |                    |          |
| 14,600.0                | 12,650.0              | 17,911.0              | 11,595.5              | 67.0             | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 3,997.2                | 3,823.5                 | 173.76                    | 23.004            |                    |          |
| 14,700.0                | 12,650.0              | 17,911.0              | 11,595.5              | 68.2             | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 4,022.7                | 3,848.7                 | 174.01                    | 23.118            |                    |          |
| 14,800.0                | 12,650.0              | 17,911.0              | 11,595.5              | 69.5             | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 4,050.4                | 3,876.3                 | 174.18                    | 23.254            |                    |          |
| 14,900.0                | 12,650.0              | 17,911.0              | 11,595.5              | 70.8             | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 4,080.5                | 3,906.2                 | 174.30                    | 23.411            |                    |          |
| 15,000.0                | 12,650.0              | 17,911.0              | 11,595.5              | 72.1             | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 4,112.7                | 3,938.3                 | 174.36                    | 23.588            |                    |          |
| 15,100.0                | 12,650.0              | 17,911.0              | 11,595.5              | 73.4             | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 4,147.1                | 3,972.7                 | 174.35                    | 23.786            |                    |          |
| 15,200.0                | 12,650.0              | 17,911.0              | 11,595.5              | 74.8             | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 4,183.6                | 4,009.3                 | 174.29                    | 24.003            |                    |          |
| 15,300.0                | 12,650.0              | 17,911.0              | 11,595.5              | 76.1             | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 4,222.2                | 4,048.0                 | 174.18                    | 24.240            |                    |          |
| 15,400.0                | 12,650.0              | 17,911.0              | 11,595.5              | 77.5             | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 4,262.7                | 4,088.7                 | 174.02                    | 24.496            |                    |          |
| 15,500.0                | 12,650.0              | 17,911.0              | 11,595.5              | 78.8             | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 4,305.2                | 4,131.4                 | 173.81                    | 24.770            |                    |          |
| 15,600.0                | 12,650.0              | 17,911.0              | 11,595.5              | 80.2             | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 4,349.6                | 4,176.1                 | 173.55                    | 25.062            |                    |          |
| 15,700.0                | 12,650.0              | 17,911.0              | 11,595.5              | 81.6             | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 4,395.8                | 4,222.6                 | 173.26                    | 25.372            |                    |          |
| 15,800.0                | 12,650.0              | 17,911.0              | 11,595.5              | 83.0             | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 4,443.8                | 4,270.9                 | 172.92                    | 25.699            |                    |          |
| 15,900.0                | 12,650.0              | 17,911.0              | 11,595.5              | 84.4             | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 4,493.5                | 4,321.0                 | 172.55                    | 26.042            |                    |          |
| 16,000.0                | 12,650.0              | 17,911.0              | 11,595.5              | 85.9             | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 4,544.9                | 4,372.7                 | 172.15                    | 26.401            |                    |          |
| 16,100.0                | 12,650.0              | 17,911.0              | 11,595.5              | 87.3             | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 4,597.8                | 4,426.1                 | 171.71                    | 26.776            |                    |          |
| 16,200.0                | 12,650.0              | 17,911.0              | 11,595.5              | 88.7             | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 4,652.3                | 4,481.1                 | 171.25                    | 27.166            |                    |          |
| 16,300.0                | 12,650.0              | 17,911.0              | 11,595.5              | 90.2             | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 4,708.3                | 4,537.5                 | 170.77                    | 27.571            |                    |          |
| 16,400.0                | 12,650.0              | 17,911.0              | 11,595.5              | 91.6             | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 4,765.7                | 4,595.5                 | 170.27                    | 27.990            |                    |          |
| 16,500.0                | 12,650.0              | 17,911.0              | 11,595.5              | 93.1             | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 4,824.6                | 4,654.8                 | 169.74                    | 28.423            |                    |          |
| 16,600.0                | 12,650.0              | 17,911.0              | 11,595.5              | 94.5             | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 4,884.7                | 4,715.5                 | 169.21                    | 28.869            |                    |          |
| 16,700.0                | 12,650.0              | 17,911.0              | 11,595.5              | 96.0             | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 4,946.2                | 4,777.5                 | 168.65                    | 29.328            |                    |          |
| 16,800.0                | 12,650.0              | 17,911.0              | 11,595.5              | 97.5             | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 5,008.9                | 4,840.8                 | 168.09                    | 29.799            |                    |          |
| 16,900.0                | 12,650.0              | 17,911.0              | 11,595.5              | 99.0             | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 5,072.8                | 4,905.3                 | 167.51                    | 30.283            |                    |          |
| 17,000.0                | 12,650.0              | 17,911.0              | 11,595.5              | 100.5            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 5,137.8                | 4,970.9                 | 166.93                    | 30.778            |                    |          |
| 17,100.0                | 12,650.0              | 17,911.0              | 11,595.5              | 101.9            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 5,204.0                | 5,037.6                 | 166.34                    | 31.285            |                    |          |
| 17,200.0                | 12,650.0              | 17,911.0              | 11,595.5              | 103.4            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 5,271.2                | 5,105.4                 | 165.75                    | 31.802            |                    |          |
| 17,300.0                | 12,650.0              | 17,911.0              | 11,595.5              | 104.9            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 5,339.4                | 5,174.3                 | 165.15                    | 32.330            |                    |          |
| 17,400.0                | 12,650.0              | 17,911.0              | 11,595.5              | 106.5            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 5,408.7                | 5,244.1                 | 164.56                    | 32.868            |                    |          |
| 17,500.0                | 12,650.0              | 17,911.0              | 11,595.5              | 108.0            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 5,478.9                | 5,314.9                 | 163.96                    | 33.416            |                    |          |
| 17,600.0                | 12,650.0              | 17,911.0              | 11,595.5              | 109.5            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 5,550.0                | 5,386.6                 | 163.36                    | 33.974            |                    |          |
| 17,700.0                | 12,650.0              | 17,911.0              | 11,595.5              | 111.0            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 5,621.9                | 5,459.2                 | 162.77                    | 34.540            |                    |          |
| 17,800.0                | 12,650.0              | 17,911.0              | 11,595.5              | 112.5            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 5,694.8                | 5,532.6                 | 162.17                    | 35.115            |                    |          |
| 17,900.0                | 12,650.0              | 17,911.0              | 11,595.5              | 114.1            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 5,768.4                | 5,606.8                 | 161.59                    | 35.699            |                    |          |
| 18,000.0                | 12,650.0              | 17,911.0              | 11,595.5              | 115.6            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 5,842.8                | 5,681.8                 | 161.00                    | 36.291            |                    |          |
| 18,100.0                | 12,650.0              | 17,911.0              | 11,595.5              | 117.1            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 5,918.0                | 5,757.6                 | 160.42                    | 36.890            |                    |          |
| 18,200.0                | 12,650.0              | 17,911.0              | 11,595.5              | 118.7            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 5,993.9                | 5,834.0                 | 159.85                    | 37.497            |                    |          |
| 18,300.0                | 12,650.0              | 17,911.0              | 11,595.5              | 120.2            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 6,070.5                | 5,911.2                 | 159.28                    | 38.111            |                    |          |
| 18,400.0                | 12,650.0              | 17,911.0              | 11,595.5              | 121.8            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 6,147.8                | 5,989.0                 | 158.72                    | 38.733            |                    |          |
| 18,500.0                | 12,650.0              | 17,911.0              | 11,595.5              | 123.3            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 6,225.7                | 6,067.5                 | 158.17                    | 39.360            |                    |          |
| 18,600.0                | 12,650.0              | 17,911.0              | 11,595.5              | 124.9            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 6,304.2                | 6,146.6                 | 157.63                    | 39.995            |                    |          |
| 18,700.0                | 12,650.0              | 17,911.0              | 11,595.5              | 126.4            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 6,383.4                | 6,226.3                 | 157.09                    | 40.635            |                    |          |
| 18,800.0                | 12,650.0              | 17,911.0              | 11,595.5              | 128.0            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 6,463.1                | 6,306.5                 | 156.56                    | 41.281            |                    |          |
| 18,900.0                | 12,650.0              | 17,911.0              | 11,595.5              | 129.5            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 6,543.4                | 6,387.3                 | 156.04                    | 41.933            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|-------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 187-MWD |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference               |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)   | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 19,000.0                | 12,650.0              | 17,911.0              | 11,595.5              | 131.1            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 6,624.2                | 6,468.7                 | 155.53                    | 42.591             |          |
| 19,100.0                | 12,650.0              | 17,911.0              | 11,595.5              | 132.6            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 6,705.5                | 6,550.5                 | 155.03                    | 43.253             |          |
| 19,200.0                | 12,650.0              | 17,911.0              | 11,595.5              | 134.2            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 6,787.4                | 6,632.8                 | 154.54                    | 43.921             |          |
| 19,300.0                | 12,650.0              | 17,911.0              | 11,595.5              | 135.8            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 6,869.7                | 6,715.6                 | 154.05                    | 44.593             |          |
| 19,400.0                | 12,650.0              | 17,911.0              | 11,595.5              | 137.3            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 6,952.4                | 6,798.9                 | 153.58                    | 45.270             |          |
| 19,500.0                | 12,650.0              | 17,911.0              | 11,595.5              | 138.9            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 7,035.7                | 6,882.6                 | 153.11                    | 45.951             |          |
| 19,600.0                | 12,650.0              | 17,911.0              | 11,595.5              | 140.5            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 7,119.3                | 6,966.7                 | 152.65                    | 46.637             |          |
| 19,700.0                | 12,650.0              | 17,911.0              | 11,595.5              | 142.1            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 7,203.4                | 7,051.2                 | 152.21                    | 47.326             |          |
| 19,800.0                | 12,650.0              | 17,911.0              | 11,595.5              | 143.6            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 7,287.9                | 7,136.1                 | 151.77                    | 48.019             |          |
| 19,900.0                | 12,650.0              | 17,911.0              | 11,595.5              | 145.2            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 7,372.7                | 7,221.4                 | 151.34                    | 48.716             |          |
| 20,000.0                | 12,650.0              | 17,911.0              | 11,595.5              | 146.8            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 7,458.0                | 7,307.1                 | 150.92                    | 49.416             |          |
| 20,100.0                | 12,650.0              | 17,911.0              | 11,595.5              | 148.4            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 7,543.6                | 7,393.1                 | 150.51                    | 50.120             |          |
| 20,200.0                | 12,650.0              | 17,911.0              | 11,595.5              | 150.0            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 7,629.5                | 7,479.4                 | 150.11                    | 50.827             |          |
| 20,300.0                | 12,650.0              | 17,911.0              | 11,595.5              | 151.6            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 7,715.8                | 7,566.1                 | 149.72                    | 51.536             |          |
| 20,400.0                | 12,650.0              | 17,911.0              | 11,595.5              | 153.2            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 7,802.4                | 7,653.1                 | 149.33                    | 52.249             |          |
| 20,500.0                | 12,650.0              | 17,911.0              | 11,595.5              | 154.7            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 7,889.4                | 7,740.4                 | 148.96                    | 52.964             |          |
| 20,600.0                | 12,650.0              | 17,911.0              | 11,595.5              | 156.3            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 7,976.6                | 7,828.0                 | 148.59                    | 53.682             |          |
| 20,700.0                | 12,650.0              | 17,911.0              | 11,595.5              | 157.9            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 8,064.1                | 7,915.9                 | 148.23                    | 54.402             |          |
| 20,800.0                | 12,650.0              | 17,911.0              | 11,595.5              | 159.5            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 8,152.0                | 8,004.1                 | 147.88                    | 55.124             |          |
| 20,900.0                | 12,650.0              | 17,911.0              | 11,595.5              | 161.1            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 8,240.1                | 8,092.5                 | 147.54                    | 55.849             |          |
| 21,000.0                | 12,650.0              | 17,911.0              | 11,595.5              | 162.7            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 8,328.4                | 8,181.2                 | 147.21                    | 56.575             |          |
| 21,100.0                | 12,650.0              | 17,911.0              | 11,595.5              | 164.3            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 8,417.1                | 8,270.2                 | 146.89                    | 57.304             |          |
| 21,200.0                | 12,650.0              | 17,911.0              | 11,595.5              | 165.9            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 8,505.9                | 8,359.4                 | 146.57                    | 58.034             |          |
| 21,300.0                | 12,650.0              | 17,911.0              | 11,595.5              | 167.5            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 8,595.1                | 8,448.8                 | 146.26                    | 58.766             |          |
| 21,400.0                | 12,650.0              | 17,911.0              | 11,595.5              | 169.1            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 8,684.4                | 8,538.5                 | 145.96                    | 59.499             |          |
| 21,500.0                | 12,650.0              | 17,911.0              | 11,595.5              | 170.7            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 8,774.0                | 8,628.4                 | 145.66                    | 60.234             |          |
| 21,600.0                | 12,650.0              | 17,911.0              | 11,595.5              | 172.3            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 8,863.8                | 8,718.5                 | 145.38                    | 60.971             |          |
| 21,700.0                | 12,650.0              | 17,911.0              | 11,595.5              | 173.9            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 8,953.9                | 8,808.8                 | 145.10                    | 61.708             |          |
| 21,800.0                | 12,650.0              | 17,911.0              | 11,595.5              | 175.5            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 9,044.1                | 8,899.3                 | 144.83                    | 62.447             |          |
| 21,900.0                | 12,650.0              | 17,911.0              | 11,595.5              | 177.1            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 9,134.6                | 8,990.0                 | 144.56                    | 63.187             |          |
| 22,000.0                | 12,650.0              | 17,911.0              | 11,595.5              | 178.7            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 9,225.2                | 9,080.9                 | 144.31                    | 63.928             |          |
| 22,100.0                | 12,650.0              | 17,911.0              | 11,595.5              | 180.3            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 9,316.0                | 9,172.0                 | 144.06                    | 64.670             |          |
| 22,200.0                | 12,650.0              | 17,911.0              | 11,595.5              | 182.0            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 9,407.0                | 9,263.2                 | 143.81                    | 65.413             |          |
| 22,300.0                | 12,650.0              | 17,911.0              | 11,595.5              | 183.6            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 9,498.2                | 9,354.7                 | 143.57                    | 66.156             |          |
| 22,400.0                | 12,650.0              | 17,911.0              | 11,595.5              | 185.2            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 9,589.6                | 9,446.3                 | 143.34                    | 66.900             |          |
| 22,500.0                | 12,650.0              | 17,911.0              | 11,595.5              | 186.8            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 9,681.2                | 9,538.0                 | 143.12                    | 67.645             |          |
| 22,600.0                | 12,650.0              | 17,911.0              | 11,595.5              | 188.4            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 9,772.9                | 9,630.0                 | 142.90                    | 68.390             |          |
| 22,700.0                | 12,650.0              | 17,911.0              | 11,595.5              | 190.0            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 9,864.7                | 9,722.1                 | 142.69                    | 69.136             |          |
| 22,800.0                | 12,650.0              | 17,911.0              | 11,595.5              | 191.6            | 117.2         | -75.49                | -2,065.3                            | 3,788.5      | 9,956.8                | 9,814.3                 | 142.48                    | 69.882             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design         |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-    |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference             |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 0.0                   | 0.0                   | 0.0                   | 0.0                   | 0.0              | 0.0           | 31.34                 | 4,730.9                             | 2,880.7      | 5,539.8                |                         |                           |                    |          |
| 100.0                 | 100.0                 | 0.0                   | 0.0                   | 0.1              | 0.0           | 31.34                 | 4,730.9                             | 2,880.7      | 5,538.9                | 5,538.8                 | 0.13                      | N/A                |          |
| 200.0                 | 200.0                 | 100.0                 | 100.0                 | 0.5              | 0.1           | 31.34                 | 4,730.9                             | 2,880.7      | 5,538.9                | 5,538.3                 | 0.61                      | 9,009.647          |          |
| 300.0                 | 300.0                 | 200.0                 | 200.0                 | 0.8              | 0.5           | 31.34                 | 4,730.9                             | 2,880.7      | 5,538.9                | 5,537.6                 | 1.33                      | 4,159.233          |          |
| 400.0                 | 400.0                 | 300.0                 | 300.0                 | 1.2              | 0.8           | 31.34                 | 4,730.9                             | 2,880.7      | 5,538.9                | 5,536.9                 | 2.05                      | 2,703.683          |          |
| 500.0                 | 500.0                 | 400.0                 | 400.0                 | 1.6              | 1.2           | 31.34                 | 4,730.9                             | 2,880.7      | 5,538.9                | 5,536.2                 | 2.77                      | 2,002.793          |          |
| 600.0                 | 600.0                 | 500.0                 | 500.0                 | 1.9              | 1.6           | 31.34                 | 4,730.9                             | 2,880.7      | 5,538.9                | 5,535.5                 | 3.48                      | 1,590.484          |          |
| 700.0                 | 700.0                 | 600.0                 | 600.0                 | 2.3              | 1.9           | 31.34                 | 4,730.9                             | 2,880.7      | 5,538.9                | 5,534.7                 | 4.20                      | 1,318.955          |          |
| 800.0                 | 800.0                 | 700.0                 | 700.0                 | 2.6              | 2.3           | 31.34                 | 4,730.9                             | 2,880.7      | 5,538.9                | 5,534.0                 | 4.92                      | 1,126.617          |          |
| 900.0                 | 900.0                 | 800.0                 | 800.0                 | 3.0              | 2.6           | 31.34                 | 4,730.9                             | 2,880.7      | 5,538.9                | 5,533.3                 | 5.63                      | 983.236            |          |
| 1,000.0               | 1,000.0               | 900.0                 | 900.0                 | 3.4              | 3.0           | 31.34                 | 4,730.9                             | 2,880.7      | 5,538.9                | 5,532.6                 | 6.35                      | 872.230            |          |
| 1,100.0               | 1,100.0               | 1,000.0               | 1,000.0               | 3.7              | 3.4           | 31.34                 | 4,730.9                             | 2,880.7      | 5,538.9                | 5,531.9                 | 7.07                      | 783.746            |          |
| 1,200.0               | 1,200.0               | 1,100.0               | 1,100.0               | 4.1              | 3.7           | 31.34                 | 4,730.9                             | 2,880.7      | 5,538.9                | 5,531.2                 | 7.78                      | 711.561            |          |
| 1,300.0               | 1,300.0               | 1,200.0               | 1,200.0               | 4.4              | 4.1           | 31.34                 | 4,730.9                             | 2,880.7      | 5,538.9                | 5,530.4                 | 8.50                      | 651.552            |          |
| 1,400.0               | 1,400.0               | 1,300.0               | 1,300.0               | 4.8              | 4.4           | 31.34                 | 4,730.9                             | 2,880.7      | 5,538.9                | 5,529.7                 | 9.22                      | 600.877            |          |
| 1,500.0               | 1,500.0               | 1,400.0               | 1,400.0               | 5.1              | 4.8           | 31.34                 | 4,730.9                             | 2,880.7      | 5,538.9                | 5,529.0                 | 9.94                      | 557.516            |          |
| 1,600.0               | 1,600.0               | 1,500.0               | 1,500.0               | 5.5              | 5.1           | 31.34                 | 4,730.9                             | 2,880.7      | 5,538.9                | 5,528.3                 | 10.65                     | 519.992            |          |
| 1,700.0               | 1,700.0               | 1,600.0               | 1,600.0               | 5.9              | 5.5           | 31.34                 | 4,730.9                             | 2,880.7      | 5,538.9                | 5,527.6                 | 11.37                     | 487.200            |          |
| 1,800.0               | 1,800.0               | 1,700.0               | 1,700.0               | 6.2              | 5.9           | 31.34                 | 4,730.9                             | 2,880.7      | 5,538.9                | 5,526.9                 | 12.09                     | 458.299            |          |
| 1,900.0               | 1,900.0               | 1,800.0               | 1,800.0               | 6.6              | 6.2           | 31.34                 | 4,730.9                             | 2,880.7      | 5,538.9                | 5,526.1                 | 12.80                     | 432.635            |          |
| 2,000.0               | 2,000.0               | 1,900.0               | 1,900.0               | 6.9              | 6.6           | 31.34                 | 4,730.9                             | 2,880.7      | 5,538.9                | 5,525.4                 | 13.52                     | 409.693            |          |
| 2,100.0               | 2,100.0               | 2,000.0               | 2,000.0               | 7.3              | 6.9           | 31.34                 | 4,730.9                             | 2,880.7      | 5,538.9                | 5,524.7                 | 14.24                     | 389.061            |          |
| 2,200.0               | 2,200.0               | 2,063.2               | 2,063.2               | 7.7              | 7.2           | 31.34                 | 4,731.0                             | 2,881.0      | 5,539.3                | 5,524.5                 | 14.82                     | 373.859            |          |
| 2,300.0               | 2,300.0               | 2,126.4               | 2,126.4               | 8.0              | 7.4           | 31.35                 | 4,731.1                             | 2,882.1      | 5,540.3                | 5,524.9                 | 15.39                     | 359.901            |          |
| 2,400.0               | 2,400.0               | 2,200.0               | 2,200.0               | 8.4              | 7.6           | 31.37                 | 4,731.3                             | 2,884.1      | 5,541.9                | 5,525.9                 | 16.00                     | 346.279            |          |
| 2,500.0               | 2,500.0               | 2,252.7               | 2,252.6               | 8.7              | 7.8           | 31.38                 | 4,731.5                             | 2,886.2      | 5,544.3                | 5,527.7                 | 16.54                     | 335.156            |          |
| 2,600.0               | 2,600.0               | 2,315.8               | 2,315.6               | 9.1              | 8.0           | 31.41                 | 4,731.8                             | 2,889.3      | 5,547.2                | 5,530.1                 | 17.12                     | 324.097            |          |
| 2,700.0               | 2,700.0               | 2,378.8               | 2,378.5               | 9.4              | 8.3           | 31.44                 | 4,732.2                             | 2,893.1      | 5,550.9                | 5,533.2                 | 17.69                     | 313.794            |          |
| 2,800.0               | 2,800.0               | 2,441.7               | 2,441.3               | 9.8              | 8.5           | 31.48                 | 4,732.6                             | 2,897.6      | 5,555.2                | 5,537.0                 | 18.26                     | 304.180            |          |
| 2,900.0               | 2,900.0               | 2,500.0               | 2,499.4               | 10.2             | 8.7           | 31.52                 | 4,733.1                             | 2,902.4      | 5,560.2                | 5,541.4                 | 18.82                     | 295.457            |          |
| 3,000.0               | 3,000.0               | 2,567.2               | 2,566.2               | 10.5             | 8.9           | 31.57                 | 4,733.7                             | 2,908.6      | 5,565.9                | 5,546.5                 | 19.41                     | 286.781            |          |
| 3,100.0               | 3,100.0               | 2,658.7               | 2,657.3               | 10.9             | 9.2           | 31.64                 | 4,734.6                             | 2,917.8      | 5,572.0                | 5,551.9                 | 20.09                     | 277.360            |          |
| 3,200.0               | 3,200.0               | 2,758.2               | 2,756.3               | 11.2             | 9.6           | 31.73                 | 4,735.6                             | 2,927.8      | 5,578.2                | 5,557.4                 | 20.80                     | 268.148            |          |
| 3,300.0               | 3,300.0               | 2,857.7               | 2,855.3               | 11.6             | 10.0          | 31.81                 | 4,736.6                             | 2,937.8      | 5,584.3                | 5,562.8                 | 21.52                     | 259.525            |          |
| 3,400.0               | 3,400.0               | 2,957.2               | 2,954.3               | 12.0             | 10.3          | 31.89                 | 4,737.6                             | 2,947.8      | 5,590.5                | 5,568.3                 | 22.23                     | 251.437            |          |
| 3,500.0               | 3,500.0               | 3,056.7               | 3,053.2               | 12.3             | 10.7          | 31.97                 | 4,738.6                             | 2,957.8      | 5,596.7                | 5,573.7                 | 22.95                     | 243.838            |          |
| 3,600.0               | 3,600.0               | 3,156.2               | 3,152.2               | 12.7             | 11.1          | 32.05                 | 4,739.6                             | 2,967.9      | 5,602.9                | 5,579.2                 | 23.67                     | 236.686            |          |
| 3,700.0               | 3,700.0               | 3,255.6               | 3,251.2               | 13.0             | 11.4          | 32.14                 | 4,740.5                             | 2,977.9      | 5,609.1                | 5,584.7                 | 24.39                     | 229.945            |          |
| 3,800.0               | 3,800.0               | 3,355.1               | 3,350.2               | 13.4             | 11.8          | 32.22                 | 4,741.5                             | 2,987.9      | 5,615.3                | 5,590.2                 | 25.12                     | 223.582            |          |
| 3,900.0               | 3,900.0               | 3,454.8               | 3,449.3               | 13.7             | 12.2          | -57.63                | 4,742.5                             | 2,997.9      | 5,620.6                | 5,594.8                 | 25.83                     | 217.598            |          |
| 4,000.0               | 3,999.8               | 3,554.6               | 3,548.7               | 14.1             | 12.5          | -57.53                | 4,743.5                             | 3,008.0      | 5,624.1                | 5,597.5                 | 26.54                     | 211.911            |          |
| 4,100.0               | 4,099.6               | 3,654.6               | 3,648.1               | 14.4             | 12.9          | -57.51                | 4,744.5                             | 3,018.0      | 5,626.6                | 5,599.3                 | 27.25                     | 206.462            |          |
| 4,200.0               | 4,199.4               | 3,754.5               | 3,747.5               | 14.8             | 13.3          | -57.49                | 4,745.5                             | 3,028.1      | 5,629.1                | 5,601.1                 | 27.97                     | 201.274            |          |
| 4,300.0               | 4,299.1               | 3,854.5               | 3,847.0               | 15.1             | 13.7          | -57.47                | 4,746.5                             | 3,038.2      | 5,631.6                | 5,602.9                 | 28.68                     | 196.330            |          |
| 4,400.0               | 4,398.9               | 3,954.4               | 3,946.4               | 15.5             | 14.1          | -57.45                | 4,747.5                             | 3,048.2      | 5,634.1                | 5,604.7                 | 29.40                     | 191.616            |          |
| 4,500.0               | 4,498.6               | 4,054.4               | 4,045.8               | 15.8             | 14.4          | -57.43                | 4,748.5                             | 3,058.3      | 5,636.6                | 5,606.5                 | 30.12                     | 187.115            |          |
| 4,600.0               | 4,598.5               | 4,154.3               | 4,145.2               | 16.2             | 14.8          | -57.44                | 4,749.5                             | 3,068.3      | 5,639.8                | 5,609.0                 | 30.84                     | 182.845            |          |
| 4,700.0               | 4,698.4               | 4,254.0               | 4,244.4               | 16.5             | 15.2          | -57.44                | 4,750.5                             | 3,078.4      | 5,644.5                | 5,612.9                 | 31.56                     | 178.822            |          |
| 4,766.7               | 4,765.1               | 4,320.4               | 4,310.5               | 16.8             | 15.4          | 32.56                 | 4,751.2                             | 3,085.1      | 5,648.3                | 5,616.3                 | 32.05                     | 176.251            |          |
| 4,800.0               | 4,798.4               | 4,353.6               | 4,343.5               | 16.9             | 15.6          | 32.59                 | 4,751.5                             | 3,088.4      | 5,650.4                | 5,618.1                 | 32.29                     | 174.989            |          |
| 4,900.0               | 4,898.4               | 4,453.0               | 4,442.4               | 17.2             | 15.9          | 32.67                 | 4,752.5                             | 3,098.4      | 5,656.7                | 5,623.7                 | 33.02                     | 171.318            |          |
| 5,000.0               | 4,998.4               | 4,552.5               | 4,541.4               | 17.6             | 16.3          | 32.75                 | 4,753.5                             | 3,108.4      | 5,663.0                | 5,629.3                 | 33.75                     | 167.803            |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design         |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 0-    |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
| Reference             |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   | Warning            |          |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 5,100.0               | 5,098.4               | 4,652.0               | 4,640.4               | 17.9             | 16.7          | 32.83                 | 4,754.5                             | 3,118.4      | 5,669.3                | 5,634.9                 | 34.48                     | 164.435           |                    |          |
| 5,200.0               | 5,198.4               | 4,751.5               | 4,739.4               | 18.3             | 17.1          | 32.91                 | 4,755.5                             | 3,128.5      | 5,675.7                | 5,640.4                 | 35.21                     | 161.205           |                    |          |
| 5,300.0               | 5,298.4               | 4,851.0               | 4,838.4               | 18.7             | 17.5          | 32.99                 | 4,756.4                             | 3,138.5      | 5,682.0                | 5,646.0                 | 35.94                     | 158.105           |                    |          |
| 5,400.0               | 5,398.4               | 4,950.5               | 4,937.3               | 19.0             | 17.9          | 33.07                 | 4,757.4                             | 3,148.5      | 5,688.3                | 5,651.7                 | 36.67                     | 155.128           |                    |          |
| 5,500.0               | 5,498.4               | 5,050.0               | 5,036.3               | 19.4             | 18.2          | 33.15                 | 4,758.4                             | 3,158.5      | 5,694.7                | 5,657.3                 | 37.40                     | 152.267           |                    |          |
| 5,600.0               | 5,598.4               | 5,149.5               | 5,135.3               | 19.7             | 18.6          | 33.22                 | 4,759.4                             | 3,168.5      | 5,701.0                | 5,662.9                 | 38.13                     | 149.514           |                    |          |
| 5,700.0               | 5,698.4               | 5,248.9               | 5,234.3               | 20.1             | 19.0          | 33.30                 | 4,760.4                             | 3,178.5      | 5,707.4                | 5,668.6                 | 38.86                     | 146.864           |                    |          |
| 5,766.7               | 5,765.1               | 5,315.3               | 5,300.2               | 20.3             | 19.3          | 33.36                 | 4,761.1                             | 3,185.2      | 5,711.7                | 5,672.3                 | 39.35                     | 145.152           |                    |          |
| 5,800.0               | 5,798.4               | 5,348.4               | 5,333.2               | 20.4             | 19.4          | -144.92               | 4,761.4                             | 3,188.5      | 5,714.0                | 5,674.4                 | 39.59                     | 144.335           |                    |          |
| 5,900.0               | 5,898.4               | 5,447.8               | 5,432.1               | 20.8             | 19.8          | -144.75               | 4,762.4                             | 3,198.6      | 5,722.7                | 5,682.4                 | 40.29                     | 142.042           |                    |          |
| 6,000.0               | 5,998.1               | 5,547.1               | 5,530.9               | 21.1             | 20.1          | -144.58               | 4,763.4                             | 3,208.5      | 5,734.3                | 5,693.3                 | 40.99                     | 139.896           |                    |          |
| 6,100.0               | 6,097.7               | 5,646.0               | 5,629.3               | 21.4             | 20.5          | -144.39               | 4,764.4                             | 3,218.5      | 5,748.8                | 5,707.1                 | 41.69                     | 137.891           |                    |          |
| 6,200.0               | 6,196.8               | 5,744.5               | 5,727.3               | 21.8             | 20.9          | -144.18               | 4,765.4                             | 3,228.4      | 5,766.0                | 5,723.6                 | 42.39                     | 136.022           |                    |          |
| 6,229.5               | 6,225.9               | 5,773.4               | 5,756.1               | 21.8             | 21.0          | -144.12               | 4,765.6                             | 3,231.3      | 5,771.6                | 5,729.0                 | 42.60                     | 135.494           |                    |          |
| 6,300.0               | 6,295.5               | 5,842.6               | 5,824.9               | 22.1             | 21.3          | -144.13               | 4,766.3                             | 3,238.3      | 5,785.3                | 5,742.2                 | 43.09                     | 134.264           |                    |          |
| 6,400.0               | 6,394.2               | 5,940.7               | 5,922.5               | 22.4             | 21.7          | -144.15               | 4,767.3                             | 3,248.2      | 5,804.8                | 5,761.0                 | 43.79                     | 132.562           |                    |          |
| 6,500.0               | 6,492.9               | 6,038.8               | 6,020.0               | 22.7             | 22.0          | -144.16               | 4,768.3                             | 3,258.0      | 5,824.2                | 5,779.7                 | 44.49                     | 130.906           |                    |          |
| 6,600.0               | 6,591.6               | 6,136.8               | 6,117.6               | 23.1             | 22.4          | -144.18               | 4,769.3                             | 3,267.9      | 5,843.7                | 5,798.5                 | 45.20                     | 129.296           |                    |          |
| 6,700.0               | 6,690.3               | 6,234.4               | 6,215.4               | 23.4             | 22.7          | -144.19               | 4,770.3                             | 3,277.8      | 5,863.2                | 5,817.4                 | 45.91                     | 127.686           |                    |          |
| 6,800.0               | 6,789.0               | 6,332.5               | 6,313.5               | 23.8             | 23.0          | -144.20               | 4,771.3                             | 3,287.7      | 5,882.7                | 5,836.9                 | 46.62                     | 126.076           |                    |          |
| 6,900.0               | 6,887.7               | 6,430.6               | 6,411.6               | 24.1             | 23.4          | -144.21               | 4,772.3                             | 3,297.6      | 5,902.2                | 5,856.4                 | 47.33                     | 124.466           |                    |          |
| 7,000.0               | 6,986.4               | 6,528.7               | 6,509.7               | 24.5             | 23.8          | -144.22               | 4,773.3                             | 3,307.5      | 5,921.7                | 5,875.9                 | 48.04                     | 122.856           |                    |          |
| 7,100.0               | 7,085.1               | 6,626.8               | 6,607.8               | 24.8             | 24.1          | -144.23               | 4,774.3                             | 3,317.4      | 5,941.2                | 5,895.4                 | 48.75                     | 121.246           |                    |          |
| 7,200.0               | 7,183.8               | 6,724.9               | 6,705.9               | 25.2             | 24.5          | -144.24               | 4,775.3                             | 3,327.3      | 5,960.7                | 5,914.9                 | 49.46                     | 119.636           |                    |          |
| 7,300.0               | 7,282.5               | 6,823.0               | 6,804.0               | 25.6             | 24.9          | -144.25               | 4,776.3                             | 3,337.2      | 5,980.2                | 5,934.4                 | 50.17                     | 118.026           |                    |          |
| 7,400.0               | 7,381.2               | 6,921.1               | 6,902.1               | 25.9             | 25.3          | -144.26               | 4,777.3                             | 3,347.1      | 5,999.7                | 5,953.9                 | 50.88                     | 116.416           |                    |          |
| 7,500.0               | 7,479.8               | 7,019.2               | 7,000.2               | 26.3             | 25.7          | -144.27               | 4,778.3                             | 3,357.0      | 6,019.2                | 5,973.4                 | 51.59                     | 114.806           |                    |          |
| 7,600.0               | 7,578.5               | 7,117.3               | 7,098.3               | 26.7             | 26.1          | -144.28               | 4,779.3                             | 3,366.9      | 6,038.7                | 5,992.9                 | 52.30                     | 113.196           |                    |          |
| 7,700.0               | 7,677.2               | 7,215.4               | 7,196.4               | 27.0             | 26.5          | -144.29               | 4,780.3                             | 3,376.8      | 6,058.2                | 6,012.4                 | 53.01                     | 111.586           |                    |          |
| 7,800.0               | 7,775.9               | 7,313.5               | 7,294.5               | 27.4             | 26.9          | -144.30               | 4,781.3                             | 3,386.7      | 6,077.7                | 6,031.9                 | 53.72                     | 109.976           |                    |          |
| 7,900.0               | 7,874.6               | 7,411.6               | 7,392.6               | 27.8             | 27.3          | -144.31               | 4,782.3                             | 3,396.6      | 6,097.2                | 6,051.4                 | 54.43                     | 108.366           |                    |          |
| 8,000.0               | 7,973.3               | 7,509.7               | 7,490.7               | 28.2             | 27.7          | -144.32               | 4,783.3                             | 3,406.5      | 6,116.7                | 6,070.9                 | 55.14                     | 106.756           |                    |          |
| 8,100.0               | 8,072.0               | 7,607.8               | 7,588.8               | 28.6             | 28.1          | -144.33               | 4,784.3                             | 3,416.4      | 6,136.2                | 6,090.4                 | 55.85                     | 105.146           |                    |          |
| 8,200.0               | 8,170.7               | 7,705.9               | 7,686.9               | 28.9             | 28.5          | -144.34               | 4,785.3                             | 3,426.3      | 6,155.7                | 6,109.9                 | 56.56                     | 103.536           |                    |          |
| 8,300.0               | 8,269.4               | 7,804.0               | 7,786.0               | 29.3             | 28.9          | -144.35               | 4,786.3                             | 3,436.2      | 6,175.2                | 6,129.4                 | 57.27                     | 101.926           |                    |          |
| 8,400.0               | 8,368.1               | 7,902.1               | 7,884.1               | 29.7             | 29.3          | -144.36               | 4,787.3                             | 3,446.1      | 6,194.7                | 6,148.9                 | 57.98                     | 100.316           |                    |          |
| 8,500.0               | 8,466.8               | 8,000.2               | 7,982.2               | 30.1             | 29.7          | -144.37               | 4,788.3                             | 3,456.0      | 6,214.2                | 6,168.4                 | 58.69                     | 98.706            |                    |          |
| 8,600.0               | 8,565.5               | 8,098.3               | 8,080.3               | 30.5             | 30.1          | -144.38               | 4,789.3                             | 3,465.9      | 6,233.7                | 6,187.9                 | 59.40                     | 97.096            |                    |          |
| 8,700.0               | 8,664.2               | 8,196.4               | 8,178.4               | 30.9             | 30.5          | -144.39               | 4,790.3                             | 3,475.8      | 6,253.2                | 6,207.4                 | 60.11                     | 95.486            |                    |          |
| 8,800.0               | 8,762.9               | 8,294.5               | 8,276.5               | 31.3             | 30.9          | -144.40               | 4,791.3                             | 3,485.7      | 6,272.7                | 6,226.9                 | 60.82                     | 93.876            |                    |          |
| 8,900.0               | 8,861.6               | 8,392.6               | 8,374.6               | 31.7             | 31.3          | -144.41               | 4,792.3                             | 3,495.6      | 6,292.2                | 6,246.4                 | 61.53                     | 92.266            |                    |          |
| 9,000.0               | 8,960.3               | 8,490.7               | 8,472.7               | 32.1             | 31.7          | -144.42               | 4,793.3                             | 3,505.5      | 6,311.7                | 6,265.9                 | 62.24                     | 90.656            |                    |          |
| 9,100.0               | 9,059.0               | 8,588.8               | 8,570.8               | 32.5             | 32.1          | -144.43               | 4,794.3                             | 3,515.4      | 6,331.2                | 6,285.4                 | 62.95                     | 89.046            |                    |          |
| 9,200.0               | 9,157.7               | 8,686.9               | 8,668.9               | 32.9             | 32.5          | -144.44               | 4,795.3                             | 3,525.3      | 6,350.7                | 6,304.9                 | 63.66                     | 87.436            |                    |          |
| 9,300.0               | 9,256.4               | 8,785.0               | 8,767.0               | 33.3             | 32.9          | -144.45               | 4,796.3                             | 3,535.2      | 6,370.2                | 6,324.4                 | 64.37                     | 85.826            |                    |          |
| 9,400.0               | 9,355.1               | 8,883.1               | 8,865.1               | 33.7             | 33.3          | -144.46               | 4,797.3                             | 3,545.1      | 6,389.7                | 6,343.9                 | 65.08                     | 84.216            |                    |          |
| 9,500.0               | 9,453.8               | 8,981.2               | 8,963.2               | 34.1             | 33.7          | -144.47               | 4,798.3                             | 3,555.0      | 6,409.2                | 6,363.4                 | 65.79                     | 82.606            |                    |          |
| 9,600.0               | 9,552.5               | 9,079.3               | 9,061.3               | 34.5             | 34.1          | -144.48               | 4,799.3                             | 3,564.9      | 6,428.7                | 6,382.9                 | 66.50                     | 80.996            |                    |          |
| 9,700.0               | 9,651.2               | 9,177.4               | 9,159.4               | 34.9             | 34.5          | -144.49               | 4,800.3                             | 3,574.8      | 6,448.2                | 6,402.4                 | 67.21                     | 79.386            |                    |          |
| 9,800.0               | 9,749.9               | 9,275.5               | 9,257.5               | 35.3             | 34.9          | -144.50               | 4,801.3                             | 3,584.7      | 6,467.7                | 6,421.9                 | 67.92                     | 77.776            |                    |          |
| 9,900.0               | 9,848.6               | 9,373.6               | 9,355.6               | 35.7             | 35.3          | -144.51               | 4,802.3                             | 3,594.6      | 6,487.2                | 6,441.4                 | 68.63                     | 76.166            |                    |          |
| 10,000.0              | 9,947.3               | 9,471.7               | 9,453.7               | 36.1             | 35.7          | -144.52               | 4,803.3                             | 3,604.5      | 6,506.7                | 6,460.9                 | 69.34                     | 74.556            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design               |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: 0.0 usft |  |
|-----------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|-----------------------------|--|
| Survey Program: 0-Reference |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: 0.0 usft |  |
|                             |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   |                             |  |
| Measured Depth (usft)       | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning                     |  |
| 10,100.0                    | 10,046.0              | 16,290.4              | 11,067.2              | 36.5             | 98.4          | -91.43                | -642.2                              | 3,742.7      | 3,839.6                | 3,711.3                 | 128.28                    | 29.931            |                             |  |
| 10,200.0                    | 10,144.7              | 16,307.1              | 11,067.3              | 36.9             | 98.6          | -91.17                | -659.0                              | 3,742.7      | 3,811.6                | 3,681.8                 | 129.77                    | 29.372            |                             |  |
| 10,300.0                    | 10,243.4              | 16,323.9              | 11,067.4              | 37.3             | 98.9          | -90.91                | -675.7                              | 3,742.8      | 3,785.9                | 3,654.7                 | 131.21                    | 28.853            |                             |  |
| 10,400.0                    | 10,342.1              | 16,340.6              | 11,067.5              | 37.7             | 99.1          | -90.66                | -692.4                              | 3,742.8      | 3,762.6                | 3,630.0                 | 132.61                    | 28.374            |                             |  |
| 10,500.0                    | 10,440.8              | 16,357.3              | 11,067.6              | 38.1             | 99.4          | -90.40                | -709.2                              | 3,742.9      | 3,741.8                | 3,607.9                 | 133.95                    | 27.935            |                             |  |
| 10,600.0                    | 10,539.5              | 16,374.1              | 11,067.6              | 38.5             | 99.6          | -90.14                | -725.9                              | 3,742.9      | 3,723.5                | 3,588.3                 | 135.23                    | 27.535            |                             |  |
| 10,700.0                    | 10,638.2              | 16,390.8              | 11,067.7              | 39.0             | 99.9          | -89.88                | -742.6                              | 3,743.0      | 3,707.7                | 3,571.3                 | 136.45                    | 27.174            |                             |  |
| 10,800.0                    | 10,736.9              | 16,407.6              | 11,067.8              | 39.4             | 100.1         | -89.63                | -759.4                              | 3,743.0      | 3,694.5                | 3,556.9                 | 137.60                    | 26.851            |                             |  |
| 10,900.0                    | 10,835.6              | 16,424.3              | 11,067.9              | 39.8             | 100.4         | -89.37                | -776.1                              | 3,743.1      | 3,683.9                | 3,545.2                 | 138.67                    | 26.565            |                             |  |
| 11,000.0                    | 10,934.3              | 16,441.0              | 11,068.0              | 40.2             | 100.7         | -89.11                | -792.8                              | 3,743.1      | 3,675.9                | 3,536.2                 | 139.68                    | 26.317            |                             |  |
| 11,100.0                    | 11,033.0              | 16,457.8              | 11,068.1              | 40.6             | 100.9         | -88.85                | -809.6                              | 3,743.2      | 3,670.5                | 3,529.9                 | 140.61                    | 26.105            |                             |  |
| 11,200.0                    | 11,131.7              | 16,474.5              | 11,068.2              | 41.0             | 101.2         | -88.59                | -826.3                              | 3,743.2      | 3,667.8                | 3,526.3                 | 141.45                    | 25.930            |                             |  |
| 11,253.1                    | 11,184.1              | 16,483.4              | 11,068.2              | 41.2             | 101.3         | -88.46                | -835.2                              | 3,743.2      | 3,667.4                | 3,525.5                 | 141.87                    | 25.851 CC         |                             |  |
| 11,300.0                    | 11,230.4              | 16,491.2              | 11,068.2              | 41.4             | 101.4         | -88.34                | -843.0                              | 3,743.3      | 3,667.7                | 3,525.5                 | 142.22                    | 25.789 ES         |                             |  |
| 11,400.0                    | 11,329.1              | 16,508.0              | 11,068.3              | 41.9             | 101.7         | -88.08                | -859.8                              | 3,743.3      | 3,670.3                | 3,527.4                 | 142.90                    | 25.684            |                             |  |
| 11,500.0                    | 11,427.8              | 16,524.7              | 11,068.4              | 42.3             | 101.9         | -87.82                | -876.5                              | 3,743.4      | 3,675.5                | 3,532.0                 | 143.50                    | 25.613            |                             |  |
| 11,535.3                    | 11,462.6              | 16,530.6              | 11,068.4              | 42.4             | 102.0         | -87.73                | -882.4                              | 3,743.4      | 3,677.9                | 3,534.3                 | 143.69                    | 25.597            |                             |  |
| 11,600.0                    | 11,526.5              | 16,540.9              | 11,068.5              | 42.7             | 102.2         | -87.65                | -892.7                              | 3,743.4      | 3,683.3                | 3,539.3                 | 144.00                    | 25.578            |                             |  |
| 11,700.0                    | 11,625.7              | 16,554.6              | 11,068.6              | 43.1             | 102.4         | -87.60                | -906.4                              | 3,743.4      | 3,693.9                | 3,549.6                 | 144.37                    | 25.586            |                             |  |
| 11,800.0                    | 11,725.1              | 16,565.7              | 11,068.6              | 43.5             | 102.5         | -87.63                | -917.5                              | 3,743.5      | 3,707.3                | 3,562.7                 | 144.60                    | 25.637            |                             |  |
| 11,900.0                    | 11,824.8              | 16,574.2              | 11,068.7              | 43.9             | 102.7         | -87.74                | -926.0                              | 3,743.5      | 3,723.3                | 3,578.6                 | 144.70                    | 25.731            |                             |  |
| 12,000.0                    | 11,924.7              | 16,580.1              | 11,068.7              | 44.2             | 102.8         | -87.93                | -931.9                              | 3,743.5      | 3,742.1                | 3,597.4                 | 144.66                    | 25.867            |                             |  |
| 12,100.0                    | 12,024.6              | 16,583.3              | 11,068.7              | 44.6             | 102.8         | -88.21                | -935.1                              | 3,743.5      | 3,763.5                | 3,619.0                 | 144.50                    | 26.045            |                             |  |
| 12,152.4                    | 12,077.0              | 16,583.9              | 11,068.7              | 44.7             | 102.8         | 89.93                 | -935.7                              | 3,743.5      | 3,775.7                | 3,631.4                 | 144.36                    | 26.155            |                             |  |
| 12,200.0                    | 12,124.6              | 16,586.2              | 11,068.7              | 44.9             | 102.9         | -92.76                | -938.0                              | 3,743.5      | 3,787.6                | 3,643.3                 | 144.25                    | 26.257            |                             |  |
| 12,250.0                    | 12,174.2              | 16,592.8              | 11,068.8              | 45.1             | 103.0         | -91.29                | -944.6                              | 3,743.5      | 3,800.8                | 3,656.6                 | 144.21                    | 26.356            |                             |  |
| 12,300.0                    | 12,223.0              | 16,603.7              | 11,068.8              | 45.3             | 103.1         | -89.67                | -955.5                              | 3,743.6      | 3,814.7                | 3,670.5                 | 144.24                    | 26.446            |                             |  |
| 12,350.0                    | 12,270.7              | 16,618.9              | 11,068.9              | 45.6             | 103.4         | -87.93                | -970.7                              | 3,743.6      | 3,829.2                | 3,684.8                 | 144.35                    | 26.526            |                             |  |
| 12,400.0                    | 12,317.0              | 16,638.2              | 11,069.0              | 45.8             | 103.6         | -86.11                | -990.0                              | 3,743.6      | 3,844.0                | 3,699.5                 | 144.54                    | 26.595            |                             |  |
| 12,450.0                    | 12,361.4              | 16,661.5              | 11,069.1              | 46.1             | 104.0         | -84.22                | -1,013.3                            | 3,743.7      | 3,859.0                | 3,714.2                 | 144.81                    | 26.650            |                             |  |
| 12,500.0                    | 12,403.7              | 16,688.5              | 11,069.2              | 46.4             | 104.4         | -82.31                | -1,040.4                            | 3,743.7      | 3,874.1                | 3,728.9                 | 145.15                    | 26.691            |                             |  |
| 12,550.0                    | 12,443.5              | 16,719.2              | 11,069.4              | 46.7             | 104.9         | -80.41                | -1,071.0                            | 3,743.8      | 3,888.9                | 3,743.3                 | 145.57                    | 26.715            |                             |  |
| 12,600.0                    | 12,480.5              | 16,753.2              | 11,069.6              | 47.1             | 105.4         | -78.55                | -1,105.1                            | 3,743.9      | 3,903.4                | 3,757.3                 | 146.07                    | 26.723            |                             |  |
| 12,650.0                    | 12,514.4              | 16,790.4              | 11,069.8              | 47.4             | 106.0         | -76.78                | -1,142.2                            | 3,744.0      | 3,917.3                | 3,770.6                 | 146.64                    | 26.713            |                             |  |
| 12,700.0                    | 12,545.0              | 16,830.3              | 11,070.0              | 47.8             | 106.6         | -75.11                | -1,182.1                            | 3,744.0      | 3,930.4                | 3,783.1                 | 147.30                    | 26.683            |                             |  |
| 12,750.0                    | 12,572.0              | 16,872.8              | 11,070.2              | 48.1             | 107.2         | -73.58                | -1,224.6                            | 3,744.1      | 3,942.7                | 3,794.6                 | 148.03                    | 26.634            |                             |  |
| 12,800.0                    | 12,595.3              | 16,917.5              | 11,070.4              | 48.5             | 107.9         | -72.20                | -1,269.3                            | 3,744.2      | 3,953.8                | 3,805.0                 | 148.83                    | 26.565            |                             |  |
| 12,850.0                    | 12,614.6              | 16,964.0              | 11,070.6              | 48.9             | 108.6         | -71.01                | -1,315.8                            | 3,744.3      | 3,963.8                | 3,814.1                 | 149.71                    | 26.477            |                             |  |
| 12,900.0                    | 12,629.8              | 17,012.0              | 11,070.9              | 49.3             | 109.4         | -70.00                | -1,363.8                            | 3,744.3      | 3,972.4                | 3,821.7                 | 150.65                    | 26.369            |                             |  |
| 12,950.0                    | 12,640.8              | 17,061.1              | 11,071.1              | 49.7             | 110.1         | -69.20                | -1,412.9                            | 3,744.4      | 3,979.5                | 3,827.9                 | 151.65                    | 26.242            |                             |  |
| 13,000.0                    | 12,647.6              | 17,111.0              | 11,071.4              | 50.1             | 110.9         | -68.60                | -1,462.8                            | 3,744.4      | 3,985.1                | 3,832.4                 | 152.71                    | 26.097            |                             |  |
| 13,052.4                    | 12,650.0              | 17,163.7              | 11,071.7              | 50.5             | 111.7         | -68.20                | -1,515.5                            | 3,744.5      | 3,989.3                | 3,835.4                 | 153.87                    | 25.927            |                             |  |
| 13,100.0                    | 12,650.0              | 17,211.7              | 11,071.9              | 50.9             | 112.4         | -68.24                | -1,563.5                            | 3,744.5      | 3,991.9                | 3,837.0                 | 154.95                    | 25.763            |                             |  |
| 13,200.0                    | 12,650.0              | 17,312.5              | 11,072.4              | 51.8             | 114.0         | -68.29                | -1,664.3                            | 3,744.6      | 3,995.1                | 3,837.8                 | 157.24                    | 25.407            |                             |  |
| 13,267.5                    | 12,650.0              | 17,380.7              | 11,072.8              | 52.4             | 115.0         | -68.30                | -1,732.5                            | 3,744.7      | 3,995.3                | 3,836.5                 | 158.80                    | 25.159            |                             |  |
| 13,300.0                    | 12,650.0              | 17,413.5              | 11,072.9              | 52.7             | 115.6         | -68.30                | -1,765.3                            | 3,744.7      | 3,995.1                | 3,835.5                 | 159.56                    | 25.038            |                             |  |
| 13,400.0                    | 12,650.0              | 17,514.4              | 11,073.4              | 53.6             | 117.1         | -68.31                | -1,866.2                            | 3,744.7      | 3,994.4                | 3,832.4                 | 161.91                    | 24.670            |                             |  |
| 13,500.0                    | 12,650.0              | 17,615.3              | 11,074.0              | 54.6             | 118.7         | -68.31                | -1,967.1                            | 3,744.7      | 3,993.6                | 3,829.3                 | 164.31                    | 24.306            |                             |  |
| 13,600.0                    | 12,650.0              | 17,716.3              | 11,074.5              | 55.6             | 120.3         | -68.31                | -2,068.1                            | 3,744.7      | 3,992.8                | 3,826.1                 | 166.73                    | 23.948            |                             |  |
| 13,637.8                    | 12,650.0              | 17,722.3              | 11,074.5              | 55.9             | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 3,992.6                | 3,825.4                 | 167.26                    | 23.871            |                             |  |
| 13,700.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 56.6             | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 3,993.1                | 3,825.1                 | 167.99                    | 23.770            |                             |  |
| 13,800.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 57.6             | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 3,995.9                | 3,826.8                 | 169.13                    | 23.626            |                             |  |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design               |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: |  | 0.0 usft |
|-----------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|--|----------|
| Survey Program: 0-Reference |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: |  | 0.0 usft |
|                             |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   |                    |  |          |
| Measured Depth (usft)       | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning            |  |          |
| 13,900.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 58.7             | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 4,001.2                | 3,831.0                 | 170.22                    | 23.506            |                    |  |          |
| 14,000.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 59.8             | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 4,009.0                | 3,837.8                 | 171.26                    | 23.409            |                    |  |          |
| 14,100.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 61.0             | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 4,019.3                | 3,847.1                 | 172.24                    | 23.335            |                    |  |          |
| 14,200.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 62.1             | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 4,032.0                | 3,858.9                 | 173.17                    | 23.284            |                    |  |          |
| 14,300.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 63.3             | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 4,047.2                | 3,873.2                 | 174.02                    | 23.256            |                    |  |          |
| 14,400.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 64.5             | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 4,064.7                | 3,889.9                 | 174.82                    | 23.251 SF         |                    |  |          |
| 14,500.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 65.7             | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 4,084.7                | 3,909.1                 | 175.55                    | 23.268            |                    |  |          |
| 14,600.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 67.0             | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 4,106.9                | 3,930.7                 | 176.21                    | 23.307            |                    |  |          |
| 14,700.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 68.2             | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 4,131.5                | 3,954.7                 | 176.80                    | 23.368            |                    |  |          |
| 14,800.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 69.5             | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 4,158.4                | 3,981.0                 | 177.33                    | 23.450            |                    |  |          |
| 14,900.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 70.8             | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 4,187.4                | 4,009.6                 | 177.79                    | 23.552            |                    |  |          |
| 15,000.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 72.1             | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 4,218.6                | 4,040.4                 | 178.19                    | 23.675            |                    |  |          |
| 15,100.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 73.4             | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 4,252.0                | 4,073.4                 | 178.52                    | 23.818            |                    |  |          |
| 15,200.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 74.8             | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 4,287.4                | 4,108.6                 | 178.79                    | 23.980            |                    |  |          |
| 15,300.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 76.1             | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 4,324.8                | 4,145.8                 | 179.00                    | 24.161            |                    |  |          |
| 15,400.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 77.5             | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 4,364.2                | 4,185.1                 | 179.15                    | 24.361            |                    |  |          |
| 15,500.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 78.8             | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 4,405.6                | 4,226.3                 | 179.25                    | 24.578            |                    |  |          |
| 15,600.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 80.2             | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 4,448.8                | 4,269.5                 | 179.29                    | 24.813            |                    |  |          |
| 15,700.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 81.6             | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 4,493.8                | 4,314.5                 | 179.28                    | 25.065            |                    |  |          |
| 15,800.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 83.0             | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 4,540.5                | 4,361.3                 | 179.23                    | 25.334            |                    |  |          |
| 15,900.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 84.4             | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 4,589.0                | 4,409.9                 | 179.13                    | 25.618            |                    |  |          |
| 16,000.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 85.9             | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 4,639.1                | 4,460.1                 | 178.99                    | 25.918            |                    |  |          |
| 16,100.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 87.3             | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 4,690.8                | 4,512.0                 | 178.81                    | 26.233            |                    |  |          |
| 16,200.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 88.7             | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 4,744.1                | 4,565.5                 | 178.60                    | 26.563            |                    |  |          |
| 16,300.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 90.2             | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 4,798.8                | 4,620.5                 | 178.35                    | 26.907            |                    |  |          |
| 16,400.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 91.6             | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 4,855.0                | 4,676.9                 | 178.07                    | 27.265            |                    |  |          |
| 16,500.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 93.1             | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 4,912.6                | 4,734.8                 | 177.76                    | 27.636            |                    |  |          |
| 16,600.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 94.5             | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 4,971.5                | 4,794.1                 | 177.43                    | 28.020            |                    |  |          |
| 16,700.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 96.0             | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 5,031.7                | 4,854.7                 | 177.07                    | 28.416            |                    |  |          |
| 16,800.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 97.5             | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 5,093.2                | 4,916.5                 | 176.70                    | 28.825            |                    |  |          |
| 16,900.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 99.0             | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 5,155.9                | 4,979.6                 | 176.30                    | 29.245            |                    |  |          |
| 17,000.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 100.5            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 5,219.7                | 5,043.9                 | 175.89                    | 29.677            |                    |  |          |
| 17,100.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 101.9            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 5,284.7                | 5,109.2                 | 175.46                    | 30.119            |                    |  |          |
| 17,200.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 103.4            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 5,350.8                | 5,175.7                 | 175.02                    | 30.572            |                    |  |          |
| 17,300.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 104.9            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 5,417.8                | 5,243.3                 | 174.57                    | 31.036            |                    |  |          |
| 17,400.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 106.5            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 5,485.9                | 5,311.8                 | 174.11                    | 31.509            |                    |  |          |
| 17,500.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 108.0            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 5,555.0                | 5,381.3                 | 173.64                    | 31.992            |                    |  |          |
| 17,600.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 109.5            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 5,625.0                | 5,451.8                 | 173.16                    | 32.484            |                    |  |          |
| 17,700.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 111.0            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 5,695.9                | 5,523.2                 | 172.68                    | 32.985            |                    |  |          |
| 17,800.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 112.5            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 5,767.6                | 5,595.4                 | 172.20                    | 33.494            |                    |  |          |
| 17,900.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 114.1            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 5,840.2                | 5,668.5                 | 171.71                    | 34.012            |                    |  |          |
| 18,000.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 115.6            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 5,913.6                | 5,742.3                 | 171.22                    | 34.538            |                    |  |          |
| 18,100.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 117.1            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 5,987.7                | 5,817.0                 | 170.73                    | 35.072            |                    |  |          |
| 18,200.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 118.7            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 6,062.6                | 5,892.4                 | 170.23                    | 35.613            |                    |  |          |
| 18,300.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 120.2            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 6,138.2                | 5,968.5                 | 169.74                    | 36.162            |                    |  |          |
| 18,400.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 121.8            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 6,214.5                | 6,045.2                 | 169.25                    | 36.717            |                    |  |          |
| 18,500.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 123.3            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 6,291.4                | 6,122.7                 | 168.76                    | 37.279            |                    |  |          |
| 18,600.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 124.9            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 6,369.0                | 6,200.8                 | 168.28                    | 37.848            |                    |  |          |
| 18,700.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 126.4            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 6,447.3                | 6,279.5                 | 167.80                    | 38.423            |                    |  |          |
| 18,800.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 128.0            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 6,526.1                | 6,358.8                 | 167.32                    | 39.004            |                    |  |          |
| 18,900.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 129.5            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 6,605.5                | 6,438.6                 | 166.84                    | 39.591            |                    |  |          |
| 19,000.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 131.1            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 6,685.4                | 6,519.0                 | 166.37                    | 40.183            |                    |  |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design               |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|-----------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-Reference |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Measured Depth (usft)       | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  | Warning  |
| 19,100.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 132.6            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 6,765.9                | 6,600.0                 | 165.91                    | 40.781             |          |
| 19,200.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 134.2            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 6,846.9                | 6,681.4                 | 165.45                    | 41.384             |          |
| 19,300.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 135.8            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 6,928.3                | 6,763.3                 | 164.99                    | 41.992             |          |
| 19,400.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 137.3            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 7,010.3                | 6,845.8                 | 164.54                    | 42.605             |          |
| 19,500.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 138.9            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 7,092.7                | 6,928.6                 | 164.10                    | 43.222             |          |
| 19,600.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 140.5            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 7,175.6                | 7,011.9                 | 163.66                    | 43.844             |          |
| 19,700.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 142.1            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 7,258.9                | 7,095.7                 | 163.23                    | 44.470             |          |
| 19,800.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 143.6            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 7,342.6                | 7,179.8                 | 162.80                    | 45.101             |          |
| 19,900.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 145.2            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 7,426.7                | 7,264.4                 | 162.39                    | 45.735             |          |
| 20,000.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 146.8            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 7,511.3                | 7,349.3                 | 161.97                    | 46.374             |          |
| 20,100.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 148.4            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 7,596.1                | 7,434.6                 | 161.57                    | 47.016             |          |
| 20,200.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 150.0            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 7,681.4                | 7,520.2                 | 161.17                    | 47.661             |          |
| 20,300.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 151.6            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 7,767.0                | 7,606.2                 | 160.77                    | 48.310             |          |
| 20,400.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 153.2            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 7,852.9                | 7,692.6                 | 160.39                    | 48.962             |          |
| 20,500.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 154.7            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 7,939.2                | 7,779.2                 | 160.01                    | 49.618             |          |
| 20,600.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 156.3            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 8,025.8                | 7,866.2                 | 159.64                    | 50.276             |          |
| 20,700.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 157.9            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 8,112.7                | 7,953.4                 | 159.27                    | 50.937             |          |
| 20,800.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 159.5            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 8,199.9                | 8,041.0                 | 158.91                    | 51.601             |          |
| 20,900.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 161.1            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 8,287.4                | 8,128.8                 | 158.56                    | 52.268             |          |
| 21,000.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 162.7            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 8,375.2                | 8,217.0                 | 158.21                    | 52.937             |          |
| 21,100.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 164.3            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 8,463.2                | 8,305.3                 | 157.87                    | 53.609             |          |
| 21,200.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 165.9            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 8,551.5                | 8,394.0                 | 157.54                    | 54.283             |          |
| 21,300.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 167.5            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 8,640.1                | 8,482.9                 | 157.21                    | 54.959             |          |
| 21,400.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 169.1            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 8,728.9                | 8,572.0                 | 156.89                    | 55.637             |          |
| 21,500.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 170.7            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 8,817.9                | 8,661.3                 | 156.58                    | 56.317             |          |
| 21,600.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 172.3            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 8,907.2                | 8,750.9                 | 156.27                    | 57.000             |          |
| 21,700.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 173.9            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 8,996.7                | 8,840.7                 | 155.97                    | 57.684             |          |
| 21,800.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 175.5            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 9,086.4                | 8,930.7                 | 155.67                    | 58.370             |          |
| 21,900.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 177.1            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 9,176.3                | 9,021.0                 | 155.38                    | 59.057             |          |
| 22,000.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 178.7            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 9,266.5                | 9,111.4                 | 155.10                    | 59.746             |          |
| 22,100.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 180.3            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 9,356.8                | 9,202.0                 | 154.82                    | 60.437             |          |
| 22,200.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 182.0            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 9,447.4                | 9,292.8                 | 154.55                    | 61.129             |          |
| 22,300.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 183.6            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 9,538.1                | 9,383.8                 | 154.28                    | 61.823             |          |
| 22,400.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 185.2            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 9,629.0                | 9,475.0                 | 154.02                    | 62.517             |          |
| 22,500.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 186.8            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 9,720.1                | 9,566.3                 | 153.77                    | 63.213             |          |
| 22,600.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 188.4            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 9,811.3                | 9,657.8                 | 153.52                    | 63.910             |          |
| 22,700.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 190.0            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 9,902.8                | 9,749.5                 | 153.27                    | 64.608             |          |
| 22,800.0                    | 12,650.0              | 17,722.3              | 11,074.5              | 191.6            | 120.3         | -68.31                | -2,074.1                            | 3,744.7      | 9,994.4                | 9,841.3                 | 153.04                    | 65.307             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design                |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0- Reference |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Measured Depth (usft)        | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  | Warning  |
| 0.0                          | 0.0                   | 0.0                   | 0.0                   | 0.0              | 0.0           | 31.18                 | 4,760.9                             | 2,880.7      | 5,565.5                |                         |                           |                    |          |
| 100.0                        | 100.0                 | 0.0                   | 0.0                   | 0.1              | 0.0           | 31.18                 | 4,760.9                             | 2,880.7      | 5,564.6                | 5,564.5                 | 0.13                      | N/A                |          |
| 200.0                        | 200.0                 | 100.0                 | 100.0                 | 0.5              | 0.1           | 31.18                 | 4,760.9                             | 2,880.7      | 5,564.6                | 5,564.0                 | 0.61                      | 9,051.362          |          |
| 300.0                        | 300.0                 | 200.0                 | 200.0                 | 0.8              | 0.5           | 31.18                 | 4,760.9                             | 2,880.7      | 5,564.6                | 5,563.3                 | 1.33                      | 4,178.490          |          |
| 400.0                        | 400.0                 | 300.0                 | 300.0                 | 1.2              | 0.8           | 31.18                 | 4,760.9                             | 2,880.7      | 5,564.6                | 5,562.5                 | 2.05                      | 2,716.202          |          |
| 500.0                        | 500.0                 | 400.0                 | 400.0                 | 1.6              | 1.2           | 31.18                 | 4,760.9                             | 2,880.7      | 5,564.6                | 5,561.8                 | 2.77                      | 2,012.066          |          |
| 600.0                        | 600.0                 | 500.0                 | 500.0                 | 1.9              | 1.6           | 31.18                 | 4,760.9                             | 2,880.7      | 5,564.6                | 5,561.1                 | 3.48                      | 1,597.848          |          |
| 700.0                        | 700.0                 | 600.0                 | 600.0                 | 2.3              | 1.9           | 31.18                 | 4,760.9                             | 2,880.7      | 5,564.6                | 5,560.4                 | 4.20                      | 1,325.061          |          |
| 800.0                        | 800.0                 | 700.0                 | 700.0                 | 2.6              | 2.3           | 31.18                 | 4,760.9                             | 2,880.7      | 5,564.6                | 5,559.7                 | 4.92                      | 1,131.833          |          |
| 900.0                        | 900.0                 | 800.0                 | 800.0                 | 3.0              | 2.6           | 31.18                 | 4,760.9                             | 2,880.7      | 5,564.6                | 5,559.0                 | 5.63                      | 987.788            |          |
| 1,000.0                      | 1,000.0               | 900.0                 | 900.0                 | 3.4              | 3.0           | 31.18                 | 4,760.9                             | 2,880.7      | 5,564.6                | 5,558.2                 | 6.35                      | 876.268            |          |
| 1,100.0                      | 1,100.0               | 1,000.0               | 1,000.0               | 3.7              | 3.4           | 31.18                 | 4,760.9                             | 2,880.7      | 5,564.6                | 5,557.5                 | 7.07                      | 787.375            |          |
| 1,200.0                      | 1,200.0               | 1,100.0               | 1,100.0               | 4.1              | 3.7           | 31.18                 | 4,760.9                             | 2,880.7      | 5,564.6                | 5,556.8                 | 7.78                      | 714.856            |          |
| 1,300.0                      | 1,300.0               | 1,200.0               | 1,200.0               | 4.4              | 4.1           | 31.18                 | 4,760.9                             | 2,880.7      | 5,564.6                | 5,556.1                 | 8.50                      | 654.569            |          |
| 1,400.0                      | 1,400.0               | 1,300.0               | 1,300.0               | 4.8              | 4.4           | 31.18                 | 4,760.9                             | 2,880.7      | 5,564.6                | 5,555.4                 | 9.22                      | 603.659            |          |
| 1,500.0                      | 1,500.0               | 1,400.0               | 1,400.0               | 5.1              | 4.8           | 31.18                 | 4,760.9                             | 2,880.7      | 5,564.6                | 5,554.7                 | 9.94                      | 560.097            |          |
| 1,600.0                      | 1,600.0               | 1,500.0               | 1,500.0               | 5.5              | 5.1           | 31.18                 | 4,760.9                             | 2,880.7      | 5,564.6                | 5,553.9                 | 10.65                     | 522.399            |          |
| 1,700.0                      | 1,700.0               | 1,600.0               | 1,600.0               | 5.9              | 5.5           | 31.18                 | 4,760.9                             | 2,880.7      | 5,564.6                | 5,553.2                 | 11.37                     | 489.456            |          |
| 1,800.0                      | 1,800.0               | 1,700.0               | 1,700.0               | 6.2              | 5.9           | 31.18                 | 4,760.9                             | 2,880.7      | 5,564.6                | 5,552.5                 | 12.09                     | 460.421            |          |
| 1,900.0                      | 1,900.0               | 1,800.0               | 1,800.0               | 6.6              | 6.2           | 31.18                 | 4,760.9                             | 2,880.7      | 5,564.6                | 5,551.8                 | 12.80                     | 434.638            |          |
| 2,000.0                      | 2,000.0               | 1,900.0               | 1,900.0               | 6.9              | 6.6           | 31.18                 | 4,760.9                             | 2,880.7      | 5,564.6                | 5,551.1                 | 13.52                     | 411.589            |          |
| 2,100.0                      | 2,100.0               | 2,000.0               | 2,000.0               | 7.3              | 6.9           | 31.18                 | 4,760.9                             | 2,880.7      | 5,564.6                | 5,550.4                 | 14.24                     | 390.862            |          |
| 2,200.0                      | 2,200.0               | 2,064.4               | 2,064.4               | 7.7              | 7.2           | 31.18                 | 4,760.9                             | 2,881.0      | 5,564.9                | 5,550.1                 | 14.82                     | 375.491            |          |
| 2,300.0                      | 2,300.0               | 2,128.8               | 2,128.7               | 8.0              | 7.4           | 31.19                 | 4,761.0                             | 2,882.1      | 5,565.9                | 5,550.5                 | 15.40                     | 361.386            |          |
| 2,400.0                      | 2,400.0               | 2,200.0               | 2,200.0               | 8.4              | 7.6           | 31.21                 | 4,761.1                             | 2,884.2      | 5,567.5                | 5,551.5                 | 16.00                     | 347.894            |          |
| 2,500.0                      | 2,500.0               | 2,257.4               | 2,257.3               | 8.7              | 7.8           | 31.23                 | 4,761.3                             | 2,886.4      | 5,569.7                | 5,553.2                 | 16.56                     | 336.387            |          |
| 2,600.0                      | 2,600.0               | 2,321.6               | 2,321.4               | 9.1              | 8.1           | 31.25                 | 4,761.5                             | 2,889.7      | 5,572.6                | 5,555.5                 | 17.14                     | 325.213            |          |
| 2,700.0                      | 2,700.0               | 2,385.7               | 2,385.4               | 9.4              | 8.3           | 31.29                 | 4,761.7                             | 2,893.6      | 5,576.1                | 5,558.4                 | 17.71                     | 314.807            |          |
| 2,800.0                      | 2,800.0               | 2,449.8               | 2,449.3               | 9.8              | 8.5           | 31.33                 | 4,762.0                             | 2,898.3      | 5,580.3                | 5,562.0                 | 18.29                     | 305.093            |          |
| 2,900.0                      | 2,900.0               | 2,513.7               | 2,513.0               | 10.2             | 8.7           | 31.37                 | 4,762.3                             | 2,903.6      | 5,585.1                | 5,566.2                 | 18.87                     | 296.017            |          |
| 3,000.0                      | 3,000.0               | 2,583.6               | 2,582.6               | 10.5             | 9.0           | 31.43                 | 4,762.8                             | 2,910.3      | 5,590.6                | 5,571.1                 | 19.47                     | 287.180            |          |
| 3,100.0                      | 3,100.0               | 2,683.1               | 2,681.6               | 10.9             | 9.3           | 31.51                 | 4,763.4                             | 2,920.1      | 5,596.2                | 5,576.1                 | 20.18                     | 277.337            |          |
| 3,200.0                      | 3,200.0               | 2,782.6               | 2,780.6               | 11.2             | 9.7           | 31.59                 | 4,764.0                             | 2,929.9      | 5,601.9                | 5,581.0                 | 20.89                     | 268.139            |          |
| 3,300.0                      | 3,300.0               | 2,882.1               | 2,879.7               | 11.6             | 10.1          | 31.67                 | 4,764.6                             | 2,939.7      | 5,607.6                | 5,586.0                 | 21.61                     | 259.525            |          |
| 3,400.0                      | 3,400.0               | 2,981.7               | 2,978.7               | 12.0             | 10.4          | 31.76                 | 4,765.2                             | 2,949.5      | 5,613.4                | 5,591.0                 | 22.32                     | 251.445            |          |
| 3,500.0                      | 3,500.0               | 3,081.2               | 3,077.7               | 12.3             | 10.8          | 31.84                 | 4,765.8                             | 2,959.3      | 5,619.1                | 5,596.0                 | 23.04                     | 243.851            |          |
| 3,600.0                      | 3,600.0               | 3,180.7               | 3,176.7               | 12.7             | 11.1          | 31.92                 | 4,766.4                             | 2,969.1      | 5,624.8                | 5,601.1                 | 23.76                     | 236.704            |          |
| 3,700.0                      | 3,700.0               | 3,280.2               | 3,275.8               | 13.0             | 11.5          | 32.00                 | 4,767.0                             | 2,978.9      | 5,630.6                | 5,606.1                 | 24.48                     | 229.966            |          |
| 3,800.0                      | 3,800.0               | 3,379.7               | 3,374.8               | 13.4             | 11.9          | 32.08                 | 4,767.6                             | 2,988.7      | 5,636.3                | 5,611.1                 | 25.21                     | 223.604            |          |
| 3,900.0                      | 3,900.0               | 3,479.4               | 3,474.0               | 13.7             | 12.3          | -57.77                | 4,768.2                             | 2,998.6      | 5,641.2                | 5,615.3                 | 25.92                     | 217.622            |          |
| 4,000.0                      | 3,999.8               | 3,579.2               | 3,573.4               | 14.1             | 12.6          | -57.68                | 4,768.8                             | 3,008.4      | 5,644.2                | 5,617.6                 | 26.63                     | 211.935            |          |
| 4,100.0                      | 4,099.6               | 3,679.2               | 3,672.8               | 14.4             | 13.0          | -57.66                | 4,769.4                             | 3,018.3      | 5,646.2                | 5,618.9                 | 27.34                     | 206.487            |          |
| 4,200.0                      | 4,199.4               | 3,779.2               | 3,772.3               | 14.8             | 13.4          | -57.64                | 4,770.0                             | 3,028.1      | 5,648.3                | 5,620.2                 | 28.06                     | 201.299            |          |
| 4,300.0                      | 4,299.1               | 3,879.1               | 3,871.8               | 15.1             | 13.8          | -57.62                | 4,770.7                             | 3,038.0      | 5,650.4                | 5,621.6                 | 28.78                     | 196.355            |          |
| 4,400.0                      | 4,398.9               | 3,979.1               | 3,971.2               | 15.5             | 14.1          | -57.60                | 4,771.3                             | 3,047.8      | 5,652.4                | 5,622.9                 | 29.50                     | 191.639            |          |
| 4,500.0                      | 4,498.6               | 4,079.0               | 4,070.7               | 15.8             | 14.5          | -57.57                | 4,771.9                             | 3,057.7      | 5,654.5                | 5,624.3                 | 30.22                     | 187.136            |          |
| 4,600.0                      | 4,598.5               | 4,178.9               | 4,170.1               | 16.2             | 14.9          | -57.58                | 4,772.5                             | 3,067.5      | 5,657.3                | 5,626.3                 | 30.94                     | 182.864            |          |
| 4,700.0                      | 4,698.4               | 4,278.7               | 4,269.4               | 16.5             | 15.3          | -57.57                | 4,773.1                             | 3,077.3      | 5,661.4                | 5,629.8                 | 31.66                     | 178.837            |          |
| 4,766.7                      | 4,765.1               | 4,345.1               | 4,335.5               | 16.8             | 15.5          | 32.43                 | 4,773.5                             | 3,083.9      | 5,665.0                | 5,632.9                 | 32.14                     | 176.263            |          |
| 4,800.0                      | 4,798.4               | 4,378.3               | 4,368.5               | 16.9             | 15.6          | 32.46                 | 4,773.7                             | 3,087.1      | 5,666.9                | 5,634.6                 | 32.38                     | 175.000            |          |
| 4,900.0                      | 4,898.4               | 4,477.8               | 4,467.5               | 17.2             | 16.0          | 32.54                 | 4,774.3                             | 3,097.0      | 5,672.8                | 5,639.7                 | 33.11                     | 171.324            |          |
| 5,000.0                      | 4,998.4               | 4,577.3               | 4,566.5               | 17.6             | 16.4          | 32.62                 | 4,774.9                             | 3,106.8      | 5,678.6                | 5,644.8                 | 33.84                     | 167.804            |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design         |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-    |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference             |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 5,100.0               | 5,098.4               | 4,676.8               | 4,665.6               | 17.9             | 16.8          | 32.70                 | 4,775.5                             | 3,116.6      | 5,684.5                | 5,649.9                 | 34.57                     | 164.431            |          |
| 5,200.0               | 5,198.4               | 4,776.3               | 4,764.6               | 18.3             | 17.2          | 32.78                 | 4,776.1                             | 3,126.4      | 5,690.3                | 5,655.0                 | 35.30                     | 161.196            |          |
| 5,300.0               | 5,298.4               | 4,875.8               | 4,863.6               | 18.7             | 17.5          | 32.86                 | 4,776.7                             | 3,136.2      | 5,696.2                | 5,660.2                 | 36.03                     | 158.091            |          |
| 5,400.0               | 5,398.4               | 4,975.3               | 4,962.6               | 19.0             | 17.9          | 32.94                 | 4,777.3                             | 3,146.0      | 5,702.1                | 5,665.3                 | 36.76                     | 155.109            |          |
| 5,500.0               | 5,498.4               | 5,074.8               | 5,061.7               | 19.4             | 18.3          | 33.02                 | 4,777.9                             | 3,155.8      | 5,708.0                | 5,670.5                 | 37.49                     | 152.242            |          |
| 5,600.0               | 5,598.4               | 5,174.4               | 5,160.7               | 19.7             | 18.7          | 33.09                 | 4,778.6                             | 3,165.6      | 5,713.9                | 5,675.6                 | 38.22                     | 149.484            |          |
| 5,700.0               | 5,698.4               | 5,273.9               | 5,259.7               | 20.1             | 19.1          | 33.17                 | 4,779.2                             | 3,175.4      | 5,719.8                | 5,680.8                 | 38.96                     | 146.829            |          |
| 5,766.7               | 5,765.1               | 5,340.2               | 5,325.7               | 20.3             | 19.3          | 33.23                 | 4,779.6                             | 3,181.9      | 5,723.7                | 5,684.3                 | 39.44                     | 145.113            |          |
| 5,800.0               | 5,798.4               | 5,373.4               | 5,358.7               | 20.4             | 19.4          | -145.05               | 4,779.8                             | 3,185.2      | 5,725.9                | 5,686.2                 | 39.68                     | 144.294            |          |
| 5,900.0               | 5,898.4               | 5,472.8               | 5,457.7               | 20.8             | 19.8          | -144.89               | 4,780.4                             | 3,195.0      | 5,734.2                | 5,693.8                 | 40.38                     | 141.996            |          |
| 6,000.0               | 5,998.1               | 5,572.1               | 5,556.5               | 21.1             | 20.2          | -144.72               | 4,781.0                             | 3,204.8      | 5,745.3                | 5,704.3                 | 41.08                     | 139.843            |          |
| 6,100.0               | 6,097.7               | 5,671.1               | 5,655.0               | 21.4             | 20.6          | -144.53               | 4,781.6                             | 3,214.6      | 5,759.3                | 5,717.6                 | 41.79                     | 137.832            |          |
| 6,200.0               | 6,196.8               | 5,769.7               | 5,753.1               | 21.8             | 21.0          | -144.33               | 4,782.2                             | 3,224.3      | 5,776.1                | 5,733.6                 | 42.49                     | 135.956            |          |
| 6,229.5               | 6,225.9               | 5,801.4               | 5,781.9               | 21.8             | 21.1          | -144.27               | 4,782.4                             | 3,227.1      | 5,781.6                | 5,738.9                 | 42.70                     | 135.394            |          |
| 6,300.0               | 6,295.5               | 5,867.9               | 5,850.8               | 22.1             | 21.3          | -144.28               | 4,782.8                             | 3,233.9      | 5,795.0                | 5,751.8                 | 43.18                     | 134.192            |          |
| 6,400.0               | 6,394.2               | 5,966.0               | 5,948.5               | 22.4             | 21.7          | -144.30               | 4,783.4                             | 3,243.6      | 5,814.0                | 5,770.2                 | 43.88                     | 132.484            |          |
| 6,500.0               | 6,492.9               | 6,064.2               | 6,046.2               | 22.7             | 22.1          | -144.31               | 4,784.0                             | 3,253.3      | 5,833.1                | 5,788.5                 | 44.59                     | 130.822            |          |
| 6,600.0               | 6,591.6               | 6,162.4               | 6,143.9               | 23.1             | 22.5          | -144.33               | 4,784.6                             | 3,263.0      | 5,852.1                | 5,806.8                 | 45.29                     | 129.206            |          |
| 6,700.0               | 6,690.3               | 6,260.5               | 6,241.5               | 23.4             | 22.9          | -144.34               | 4,785.2                             | 3,272.6      | 5,871.1                | 5,825.1                 | 46.00                     | 127.633            |          |
| 6,800.0               | 6,789.0               | 15,919.4              | 11,206.6              | 23.8             | 91.0          | -99.83                | -110.3                              | 3,740.6      | 5,830.4                | 5,752.2                 | 78.20                     | 74.558             |          |
| 6,900.0               | 6,887.7               | 15,935.7              | 11,206.6              | 24.1             | 91.3          | -99.59                | -126.6                              | 3,740.7      | 5,754.0                | 5,674.7                 | 79.35                     | 72.519             |          |
| 7,000.0               | 6,986.4               | 15,951.9              | 11,206.6              | 24.5             | 91.5          | -99.35                | -142.9                              | 3,740.8      | 5,678.3                | 5,597.8                 | 80.52                     | 70.524             |          |
| 7,100.0               | 7,085.1               | 15,968.2              | 11,206.6              | 24.8             | 91.8          | -99.11                | -159.2                              | 3,740.9      | 5,603.4                | 5,521.6                 | 81.71                     | 68.572             |          |
| 7,200.0               | 7,183.8               | 15,984.5              | 11,206.6              | 25.2             | 92.0          | -98.87                | -175.4                              | 3,740.9      | 5,529.1                | 5,446.2                 | 82.94                     | 66.664             |          |
| 7,300.0               | 7,282.5               | 16,000.8              | 11,206.6              | 25.6             | 92.2          | -98.62                | -191.7                              | 3,741.0      | 5,455.7                | 5,371.5                 | 84.19                     | 64.800             |          |
| 7,400.0               | 7,381.2               | 16,017.0              | 11,206.7              | 25.9             | 92.5          | -98.38                | -208.0                              | 3,741.1      | 5,383.0                | 5,297.5                 | 85.47                     | 62.979             |          |
| 7,500.0               | 7,479.8               | 16,033.3              | 11,206.7              | 26.3             | 92.7          | -98.14                | -224.3                              | 3,741.1      | 5,311.2                | 5,224.4                 | 86.78                     | 61.202             |          |
| 7,600.0               | 7,578.5               | 16,049.6              | 11,206.7              | 26.7             | 93.0          | -97.89                | -240.5                              | 3,741.2      | 5,240.2                | 5,152.1                 | 88.12                     | 59.469             |          |
| 7,700.0               | 7,677.2               | 16,065.9              | 11,206.7              | 27.0             | 93.2          | -97.65                | -256.8                              | 3,741.3      | 5,170.2                | 5,080.7                 | 89.48                     | 57.781             |          |
| 7,800.0               | 7,775.9               | 16,082.1              | 11,206.7              | 27.4             | 93.4          | -97.40                | -273.1                              | 3,741.3      | 5,101.1                | 5,010.2                 | 90.87                     | 56.137             |          |
| 7,900.0               | 7,874.6               | 16,098.4              | 11,206.7              | 27.8             | 93.7          | -97.16                | -289.4                              | 3,741.4      | 5,033.0                | 4,940.7                 | 92.29                     | 54.537             |          |
| 8,000.0               | 7,973.3               | 16,114.7              | 11,206.7              | 28.2             | 93.9          | -96.91                | -305.6                              | 3,741.5      | 4,965.9                | 4,872.2                 | 93.73                     | 52.982             |          |
| 8,100.0               | 8,072.0               | 16,131.0              | 11,206.7              | 28.6             | 94.2          | -96.67                | -321.9                              | 3,741.5      | 4,899.9                | 4,804.7                 | 95.20                     | 51.470             |          |
| 8,200.0               | 8,170.7               | 16,147.3              | 11,206.7              | 28.9             | 94.4          | -96.42                | -338.2                              | 3,741.6      | 4,835.0                | 4,738.3                 | 96.69                     | 50.003             |          |
| 8,300.0               | 8,269.4               | 16,163.5              | 11,206.7              | 29.3             | 94.6          | -96.17                | -354.5                              | 3,741.7      | 4,771.3                | 4,673.1                 | 98.21                     | 48.581             |          |
| 8,400.0               | 8,368.1               | 16,179.8              | 11,206.7              | 29.7             | 94.9          | -95.93                | -370.7                              | 3,741.7      | 4,708.8                | 4,609.0                 | 99.76                     | 47.203             |          |
| 8,500.0               | 8,466.8               | 16,196.1              | 11,206.7              | 30.1             | 95.1          | -95.68                | -387.0                              | 3,741.8      | 4,647.5                | 4,546.2                 | 101.32                    | 45.869             |          |
| 8,600.0               | 8,565.5               | 16,212.4              | 11,206.7              | 30.5             | 95.4          | -95.43                | -403.3                              | 3,741.9      | 4,587.5                | 4,484.6                 | 102.91                    | 44.579             |          |
| 8,700.0               | 8,664.2               | 16,228.6              | 11,206.8              | 30.9             | 95.6          | -95.18                | -419.6                              | 3,741.9      | 4,528.9                | 4,424.4                 | 104.52                    | 43.332             |          |
| 8,800.0               | 8,762.9               | 16,244.9              | 11,206.8              | 31.3             | 95.9          | -94.94                | -435.8                              | 3,742.0      | 4,471.7                | 4,365.6                 | 106.14                    | 42.130             |          |
| 8,900.0               | 8,861.6               | 16,261.2              | 11,206.8              | 31.7             | 96.1          | -94.69                | -452.1                              | 3,742.0      | 4,416.0                | 4,308.2                 | 107.78                    | 40.972             |          |
| 9,000.0               | 8,960.3               | 16,277.5              | 11,206.8              | 32.1             | 96.3          | -94.44                | -468.4                              | 3,742.1      | 4,361.8                | 4,252.3                 | 109.43                    | 39.858             |          |
| 9,100.0               | 9,059.0               | 16,293.7              | 11,206.8              | 32.5             | 96.6          | -94.19                | -484.7                              | 3,742.2      | 4,309.1                | 4,198.0                 | 111.10                    | 38.787             |          |
| 9,200.0               | 9,157.7               | 16,310.0              | 11,206.8              | 32.9             | 96.8          | -93.94                | -500.9                              | 3,742.2      | 4,258.1                | 4,145.4                 | 112.77                    | 37.759             |          |
| 9,300.0               | 9,256.4               | 16,326.3              | 11,206.8              | 33.3             | 97.1          | -93.69                | -517.2                              | 3,742.3      | 4,208.8                | 4,094.4                 | 114.45                    | 36.775             |          |
| 9,400.0               | 9,355.1               | 16,342.6              | 11,206.8              | 33.7             | 97.3          | -93.45                | -533.5                              | 3,742.3      | 4,161.3                | 4,045.1                 | 116.13                    | 35.833             |          |
| 9,500.0               | 9,453.8               | 16,358.8              | 11,206.8              | 34.1             | 97.6          | -93.20                | -549.8                              | 3,742.4      | 4,115.5                | 3,997.7                 | 117.81                    | 34.934             |          |
| 9,600.0               | 9,552.5               | 16,375.1              | 11,206.8              | 34.5             | 97.8          | -92.95                | -566.0                              | 3,742.4      | 4,071.7                | 3,952.2                 | 119.48                    | 34.078             |          |
| 9,700.0               | 9,651.2               | 16,391.4              | 11,206.8              | 34.9             | 98.1          | -92.70                | -582.3                              | 3,742.5      | 4,029.8                | 3,908.6                 | 121.14                    | 33.264             |          |
| 9,800.0               | 9,749.9               | 16,407.7              | 11,206.8              | 35.3             | 98.3          | -92.45                | -598.6                              | 3,742.5      | 3,989.8                | 3,867.0                 | 122.79                    | 32.492             |          |
| 9,900.0               | 9,848.6               | 16,423.9              | 11,206.8              | 35.7             | 98.5          | -92.20                | -614.9                              | 3,742.6      | 3,952.0                | 3,827.6                 | 124.42                    | 31.762             |          |
| 10,000.0              | 9,947.3               | 16,440.2              | 11,206.9              | 36.1             | 98.8          | -91.95                | -631.1                              | 3,742.7      | 3,916.2                | 3,790.2                 | 126.03                    | 31.073             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design         |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-    |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference             |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 10,100.0              | 10,046.0              | 16,456.5              | 11,206.9              | 36.5             | 99.0          | -91.70                | -647.4                              | 3,742.7      | 3,882.7                | 3,755.1                 | 127.61                    | 30.425             |          |
| 10,200.0              | 10,144.7              | 16,472.8              | 11,206.9              | 36.9             | 99.3          | -91.45                | -663.7                              | 3,742.8      | 3,851.4                | 3,722.2                 | 129.16                    | 29.818             |          |
| 10,300.0              | 10,243.4              | 16,489.0              | 11,206.9              | 37.3             | 99.5          | -91.20                | -680.0                              | 3,742.8      | 3,822.3                | 3,691.7                 | 130.67                    | 29.252             |          |
| 10,400.0              | 10,342.1              | 16,505.3              | 11,206.9              | 37.7             | 99.8          | -90.95                | -696.2                              | 3,742.9      | 3,795.7                | 3,663.5                 | 132.14                    | 28.725             |          |
| 10,500.0              | 10,440.8              | 16,521.6              | 11,206.9              | 38.1             | 100.0         | -90.70                | -712.5                              | 3,742.9      | 3,771.4                | 3,637.8                 | 133.56                    | 28.238             |          |
| 10,600.0              | 10,539.5              | 16,537.8              | 11,206.9              | 38.5             | 100.3         | -90.45                | -728.8                              | 3,743.0      | 3,749.5                | 3,614.6                 | 134.92                    | 27.791             |          |
| 10,700.0              | 10,638.2              | 16,554.1              | 11,206.9              | 39.0             | 100.5         | -90.20                | -745.1                              | 3,743.0      | 3,730.2                | 3,593.9                 | 136.23                    | 27.382             |          |
| 10,800.0              | 10,736.9              | 16,570.4              | 11,206.9              | 39.4             | 100.8         | -89.94                | -761.3                              | 3,743.0      | 3,713.3                | 3,575.8                 | 137.47                    | 27.011             |          |
| 10,900.0              | 10,835.6              | 16,586.7              | 11,206.9              | 39.8             | 101.0         | -89.69                | -777.6                              | 3,743.1      | 3,699.0                | 3,560.4                 | 138.65                    | 26.679             |          |
| 11,000.0              | 10,934.3              | 16,602.9              | 11,206.9              | 40.2             | 101.2         | -89.44                | -793.9                              | 3,743.1      | 3,687.3                | 3,547.6                 | 139.76                    | 26.384             |          |
| 11,100.0              | 11,033.0              | 16,619.2              | 11,206.9              | 40.6             | 101.5         | -89.19                | -810.2                              | 3,743.2      | 3,678.2                | 3,537.5                 | 140.79                    | 26.126             |          |
| 11,200.0              | 11,131.7              | 16,635.5              | 11,206.9              | 41.0             | 101.7         | -88.94                | -826.4                              | 3,743.2      | 3,671.8                | 3,530.0                 | 141.75                    | 25.904             |          |
| 11,300.0              | 11,230.4              | 16,651.8              | 11,206.9              | 41.4             | 102.0         | -88.69                | -842.7                              | 3,743.3      | 3,668.0                | 3,525.4                 | 142.62                    | 25.718             |          |
| 11,393.7              | 11,322.9              | 16,667.0              | 11,207.0              | 41.8             | 102.2         | -88.45                | -857.9                              | 3,743.3      | 3,666.8                | 3,523.4                 | 143.37                    | 25.576 CC          |          |
| 11,400.0              | 11,329.1              | 16,668.0              | 11,207.0              | 41.9             | 102.2         | -88.44                | -859.0                              | 3,743.3      | 3,666.8                | 3,523.4                 | 143.41                    | 25.568 ES          |          |
| 11,500.0              | 11,427.8              | 16,684.3              | 11,207.0              | 42.3             | 102.5         | -88.19                | -875.2                              | 3,743.4      | 3,668.3                | 3,524.2                 | 144.12                    | 25.453             |          |
| 11,535.3              | 11,462.6              | 16,690.1              | 11,207.0              | 42.4             | 102.6         | -88.10                | -881.0                              | 3,743.4      | 3,669.5                | 3,525.1                 | 144.35                    | 25.420             |          |
| 11,600.0              | 11,526.5              | 16,700.0              | 11,207.0              | 42.7             | 102.7         | -87.99                | -891.0                              | 3,743.4      | 3,672.5                | 3,527.7                 | 144.74                    | 25.373             |          |
| 11,700.0              | 11,625.7              | 16,713.3              | 11,207.0              | 43.1             | 102.9         | -87.89                | -904.2                              | 3,743.4      | 3,679.4                | 3,534.2                 | 145.22                    | 25.337             |          |
| 11,800.0              | 11,725.1              | 16,724.0              | 11,207.0              | 43.5             | 103.1         | -87.87                | -914.9                              | 3,743.5      | 3,689.0                | 3,543.5                 | 145.56                    | 25.344             |          |
| 11,900.0              | 11,824.8              | 16,732.0              | 11,207.0              | 43.9             | 103.2         | -87.93                | -922.9                              | 3,743.5      | 3,701.5                | 3,555.7                 | 145.76                    | 25.395             |          |
| 12,000.0              | 11,924.7              | 16,737.4              | 11,207.0              | 44.2             | 103.3         | -88.08                | -928.3                              | 3,743.5      | 3,716.6                | 3,570.8                 | 145.82                    | 25.488             |          |
| 12,100.0              | 12,024.6              | 16,740.1              | 11,207.0              | 44.6             | 103.3         | -88.31                | -931.1                              | 3,743.5      | 3,734.5                | 3,588.7                 | 145.75                    | 25.622             |          |
| 12,152.4              | 12,077.0              | 16,740.5              | 11,207.0              | 44.7             | 103.3         | -89.87                | -931.4                              | 3,743.5      | 3,744.9                | 3,599.2                 | 145.66                    | 25.710             |          |
| 12,200.0              | 12,124.6              | 16,742.5              | 11,207.0              | 44.9             | 103.4         | -93.01                | -933.5                              | 3,743.5      | 3,755.1                | 3,609.5                 | 145.59                    | 25.792             |          |
| 12,250.0              | 12,174.2              | 16,748.9              | 11,207.0              | 45.1             | 103.5         | -91.73                | -939.8                              | 3,743.5      | 3,766.6                | 3,621.0                 | 145.59                    | 25.871             |          |
| 12,300.0              | 12,223.0              | 16,759.6              | 11,207.0              | 45.3             | 103.6         | -90.30                | -950.6                              | 3,743.5      | 3,778.9                | 3,633.2                 | 145.67                    | 25.942             |          |
| 12,350.0              | 12,270.7              | 16,774.6              | 11,207.0              | 45.6             | 103.8         | -88.74                | -965.5                              | 3,743.6      | 3,791.8                | 3,645.9                 | 145.82                    | 26.004             |          |
| 12,400.0              | 12,317.0              | 16,793.7              | 11,207.0              | 45.8             | 104.1         | -87.09                | -984.6                              | 3,743.6      | 3,805.1                | 3,659.0                 | 146.04                    | 26.055             |          |
| 12,450.0              | 12,361.4              | 16,816.7              | 11,207.0              | 46.1             | 104.5         | -85.36                | -1,007.7                            | 3,743.7      | 3,818.7                | 3,672.3                 | 146.34                    | 26.095             |          |
| 12,500.0              | 12,403.7              | 16,843.6              | 11,207.0              | 46.4             | 104.9         | -83.59                | -1,034.5                            | 3,743.7      | 3,832.4                | 3,685.7                 | 146.71                    | 26.122             |          |
| 12,550.0              | 12,443.5              | 16,874.1              | 11,207.0              | 46.7             | 105.4         | -81.82                | -1,065.0                            | 3,743.8      | 3,846.0                | 3,698.8                 | 147.16                    | 26.134             |          |
| 12,600.0              | 12,480.5              | 16,908.0              | 11,207.1              | 47.1             | 105.9         | -80.08                | -1,098.9                            | 3,743.9      | 3,859.4                | 3,711.7                 | 147.69                    | 26.132             |          |
| 12,650.0              | 12,514.4              | 16,944.9              | 11,207.1              | 47.4             | 106.4         | -78.40                | -1,135.9                            | 3,743.9      | 3,872.3                | 3,724.0                 | 148.29                    | 26.113             |          |
| 12,700.0              | 12,545.0              | 16,984.7              | 11,207.1              | 47.8             | 107.0         | -76.80                | -1,175.7                            | 3,744.0      | 3,884.6                | 3,735.6                 | 148.97                    | 26.076             |          |
| 12,750.0              | 12,572.0              | 17,027.1              | 11,207.1              | 48.1             | 107.7         | -75.33                | -1,218.0                            | 3,744.1      | 3,896.1                | 3,746.4                 | 149.72                    | 26.022             |          |
| 12,800.0              | 12,595.3              | 17,071.6              | 11,207.1              | 48.5             | 108.4         | -74.01                | -1,262.6                            | 3,744.2      | 3,906.6                | 3,756.1                 | 150.54                    | 25.950             |          |
| 12,850.0              | 12,614.6              | 17,118.0              | 11,207.2              | 48.9             | 109.1         | -72.84                | -1,309.0                            | 3,744.2      | 3,916.1                | 3,764.7                 | 151.43                    | 25.861             |          |
| 12,900.0              | 12,629.8              | 17,166.0              | 11,207.2              | 49.3             | 109.8         | -71.85                | -1,356.9                            | 3,744.3      | 3,924.3                | 3,772.0                 | 152.38                    | 25.753             |          |
| 12,950.0              | 12,640.8              | 17,215.1              | 11,207.2              | 49.7             | 110.6         | -71.05                | -1,406.0                            | 3,744.4      | 3,931.3                | 3,777.9                 | 153.40                    | 25.628             |          |
| 13,000.0              | 12,647.6              | 17,264.9              | 11,207.2              | 50.1             | 111.3         | -70.45                | -1,455.9                            | 3,744.4      | 3,936.8                | 3,782.4                 | 154.46                    | 25.487             |          |
| 13,052.4              | 12,650.0              | 17,317.6              | 11,207.2              | 50.5             | 112.1         | -70.04                | -1,508.5                            | 3,744.5      | 3,941.1                | 3,785.4                 | 155.63                    | 25.323             |          |
| 13,100.0              | 12,650.0              | 17,365.6              | 11,207.3              | 50.9             | 112.9         | -70.07                | -1,556.5                            | 3,744.5      | 3,943.8                | 3,787.1                 | 156.72                    | 25.165             |          |
| 13,200.0              | 12,650.0              | 17,466.4              | 11,207.3              | 51.8             | 114.4         | -70.11                | -1,657.4                            | 3,744.6      | 3,947.2                | 3,788.1                 | 159.02                    | 24.821             |          |
| 13,267.5              | 12,650.0              | 17,534.6              | 11,207.3              | 52.4             | 115.5         | -70.12                | -1,725.5                            | 3,744.7      | 3,947.5                | 3,786.9                 | 160.60                    | 24.580             |          |
| 13,300.0              | 12,650.0              | 17,567.4              | 11,207.4              | 52.7             | 116.0         | -70.12                | -1,758.3                            | 3,744.7      | 3,947.4                | 3,786.0                 | 161.36                    | 24.463             |          |
| 13,400.0              | 12,650.0              | 17,668.3              | 11,207.4              | 53.6             | 117.6         | -70.11                | -1,859.2                            | 3,744.7      | 3,946.8                | 3,783.1                 | 163.73                    | 24.105             |          |
| 13,500.0              | 12,650.0              | 17,769.2              | 11,207.4              | 54.6             | 119.1         | -70.11                | -1,960.2                            | 3,744.7      | 3,946.2                | 3,780.1                 | 166.14                    | 23.753             |          |
| 13,600.0              | 12,650.0              | 17,870.2              | 11,207.5              | 55.6             | 120.7         | -70.11                | -2,061.1                            | 3,744.7      | 3,945.6                | 3,777.0                 | 168.58                    | 23.405             |          |
| 13,637.8              | 12,650.0              | 17,883.1              | 11,207.5              | 55.9             | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 3,945.4                | 3,776.2                 | 169.20                    | 23.318             |          |
| 13,700.0              | 12,650.0              | 17,883.1              | 11,207.5              | 56.6             | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 3,945.9                | 3,776.0                 | 169.94                    | 23.219             |          |
| 13,800.0              | 12,650.0              | 17,883.1              | 11,207.5              | 57.6             | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 3,948.8                | 3,777.7                 | 171.10                    | 23.079             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design                |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0- Reference |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Measured Depth (usft)        | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  | Warning  |
| 13,900.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 58.7             | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 3,954.1                | 3,781.9                 | 172.20                    | 22.962             |          |
| 14,000.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 59.8             | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 3,962.0                | 3,788.8                 | 173.25                    | 22.869             |          |
| 14,100.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 61.0             | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 3,972.4                | 3,798.2                 | 174.24                    | 22.799             |          |
| 14,200.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 62.1             | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 3,985.3                | 3,810.1                 | 175.16                    | 22.752             |          |
| 14,300.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 63.3             | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 4,000.6                | 3,824.6                 | 176.02                    | 22.728             |          |
| 14,400.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 64.5             | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 4,018.4                | 3,841.6                 | 176.81                    | 22.727 SF          |          |
| 14,500.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 65.7             | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 4,038.5                | 3,861.0                 | 177.53                    | 22.748             |          |
| 14,600.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 67.0             | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 4,061.1                | 3,882.9                 | 178.18                    | 22.791             |          |
| 14,700.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 68.2             | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 4,085.9                | 3,907.1                 | 178.77                    | 22.856             |          |
| 14,800.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 69.5             | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 4,113.0                | 3,933.8                 | 179.28                    | 22.942             |          |
| 14,900.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 70.8             | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 4,142.4                | 3,962.7                 | 179.72                    | 23.049             |          |
| 15,000.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 72.1             | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 4,174.0                | 3,993.9                 | 180.10                    | 23.176             |          |
| 15,100.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 73.4             | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 4,207.7                | 4,027.3                 | 180.41                    | 23.323             |          |
| 15,200.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 74.8             | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 4,243.5                | 4,062.8                 | 180.66                    | 23.489             |          |
| 15,300.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 76.1             | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 4,281.3                | 4,100.4                 | 180.84                    | 23.674             |          |
| 15,400.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 77.5             | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 4,321.1                | 4,140.1                 | 180.97                    | 23.878             |          |
| 15,500.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 78.8             | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 4,362.8                | 4,181.8                 | 181.04                    | 24.099             |          |
| 15,600.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 80.2             | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 4,406.4                | 4,225.4                 | 181.05                    | 24.338             |          |
| 15,700.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 81.6             | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 4,451.9                | 4,270.8                 | 181.02                    | 24.594             |          |
| 15,800.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 83.0             | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 4,499.1                | 4,318.1                 | 180.93                    | 24.866             |          |
| 15,900.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 84.4             | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 4,548.0                | 4,367.2                 | 180.80                    | 25.154             |          |
| 16,000.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 85.9             | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 4,598.5                | 4,417.9                 | 180.63                    | 25.458             |          |
| 16,100.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 87.3             | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 4,650.7                | 4,470.3                 | 180.42                    | 25.777             |          |
| 16,200.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 88.7             | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 4,704.4                | 4,524.2                 | 180.18                    | 26.110             |          |
| 16,300.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 90.2             | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 4,759.6                | 4,579.7                 | 179.90                    | 26.458             |          |
| 16,400.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 91.6             | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 4,816.2                | 4,636.7                 | 179.59                    | 26.819             |          |
| 16,500.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 93.1             | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 4,874.3                | 4,695.0                 | 179.25                    | 27.193             |          |
| 16,600.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 94.5             | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 4,933.7                | 4,754.8                 | 178.88                    | 27.580             |          |
| 16,700.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 96.0             | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 4,994.4                | 4,815.9                 | 178.50                    | 27.980             |          |
| 16,800.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 97.5             | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 5,056.3                | 4,878.2                 | 178.09                    | 28.392             |          |
| 16,900.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 99.0             | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 5,119.4                | 4,941.8                 | 177.66                    | 28.815             |          |
| 17,000.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 100.5            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 5,183.7                | 5,006.5                 | 177.22                    | 29.250             |          |
| 17,100.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 101.9            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 5,249.1                | 5,072.4                 | 176.77                    | 29.695             |          |
| 17,200.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 103.4            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 5,315.6                | 5,139.3                 | 176.30                    | 30.151             |          |
| 17,300.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 104.9            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 5,383.1                | 5,207.3                 | 175.82                    | 30.617             |          |
| 17,400.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 106.5            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 5,451.7                | 5,276.3                 | 175.33                    | 31.093             |          |
| 17,500.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 108.0            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 5,521.1                | 5,346.3                 | 174.84                    | 31.579             |          |
| 17,600.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 109.5            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 5,591.6                | 5,417.2                 | 174.34                    | 32.073             |          |
| 17,700.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 111.0            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 5,662.9                | 5,489.0                 | 173.83                    | 32.577             |          |
| 17,800.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 112.5            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 5,735.0                | 5,561.7                 | 173.32                    | 33.089             |          |
| 17,900.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 114.1            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 5,808.0                | 5,635.2                 | 172.81                    | 33.609             |          |
| 18,000.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 115.6            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 5,881.8                | 5,709.5                 | 172.30                    | 34.137             |          |
| 18,100.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 117.1            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 5,956.3                | 5,784.5                 | 171.79                    | 34.673             |          |
| 18,200.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 118.7            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 6,031.6                | 5,860.3                 | 171.27                    | 35.216             |          |
| 18,300.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 120.2            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 6,107.6                | 5,936.8                 | 170.76                    | 35.766             |          |
| 18,400.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 121.8            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 6,184.3                | 6,014.0                 | 170.25                    | 36.324             |          |
| 18,500.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 123.3            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 6,261.6                | 6,091.8                 | 169.75                    | 36.888             |          |
| 18,600.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 124.9            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 6,339.6                | 6,170.3                 | 169.24                    | 37.458             |          |
| 18,700.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 126.4            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 6,418.1                | 6,249.4                 | 168.74                    | 38.035             |          |
| 18,800.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 128.0            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 6,497.3                | 6,329.0                 | 168.25                    | 38.617             |          |
| 18,900.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 129.5            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 6,577.0                | 6,409.3                 | 167.76                    | 39.205             |          |
| 19,000.0                     | 12,650.0              | 17,883.1              | 11,207.5              | 131.1            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 6,657.3                | 6,490.0                 | 167.27                    | 39.799             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design         |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 0-    |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
| Reference             |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   |                    | Warning  |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 19,100.0              | 12,650.0              | 17,883.1              | 11,207.5              | 132.6            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 6,738.1                | 6,571.3                 | 166.79                    | 40.398            |                    |          |
| 19,200.0              | 12,650.0              | 17,883.1              | 11,207.5              | 134.2            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 6,819.4                | 6,653.1                 | 166.32                    | 41.003            |                    |          |
| 19,300.0              | 12,650.0              | 17,883.1              | 11,207.5              | 135.8            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 6,901.2                | 6,735.4                 | 165.85                    | 41.612            |                    |          |
| 19,400.0              | 12,650.0              | 17,883.1              | 11,207.5              | 137.3            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 6,983.5                | 6,818.1                 | 165.38                    | 42.226            |                    |          |
| 19,500.0              | 12,650.0              | 17,883.1              | 11,207.5              | 138.9            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 7,066.3                | 6,901.3                 | 164.93                    | 42.844            |                    |          |
| 19,600.0              | 12,650.0              | 17,883.1              | 11,207.5              | 140.5            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 7,149.4                | 6,985.0                 | 164.48                    | 43.468            |                    |          |
| 19,700.0              | 12,650.0              | 17,883.1              | 11,207.5              | 142.1            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 7,233.0                | 7,069.0                 | 164.03                    | 44.095            |                    |          |
| 19,800.0              | 12,650.0              | 17,883.1              | 11,207.5              | 143.6            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 7,317.1                | 7,153.5                 | 163.60                    | 44.726            |                    |          |
| 19,900.0              | 12,650.0              | 17,883.1              | 11,207.5              | 145.2            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 7,401.5                | 7,238.3                 | 163.17                    | 45.361            |                    |          |
| 20,000.0              | 12,650.0              | 17,883.1              | 11,207.5              | 146.8            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 7,486.3                | 7,323.5                 | 162.74                    | 46.000            |                    |          |
| 20,100.0              | 12,650.0              | 17,883.1              | 11,207.5              | 148.4            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 7,571.4                | 7,409.1                 | 162.33                    | 46.643            |                    |          |
| 20,200.0              | 12,650.0              | 17,883.1              | 11,207.5              | 150.0            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 7,657.0                | 7,495.0                 | 161.92                    | 47.289            |                    |          |
| 20,300.0              | 12,650.0              | 17,883.1              | 11,207.5              | 151.6            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 7,742.8                | 7,581.3                 | 161.51                    | 47.939            |                    |          |
| 20,400.0              | 12,650.0              | 17,883.1              | 11,207.5              | 153.2            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 7,829.0                | 7,667.9                 | 161.12                    | 48.592            |                    |          |
| 20,500.0              | 12,650.0              | 17,883.1              | 11,207.5              | 154.7            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 7,915.6                | 7,754.8                 | 160.73                    | 49.247            |                    |          |
| 20,600.0              | 12,650.0              | 17,883.1              | 11,207.5              | 156.3            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 8,002.4                | 7,842.1                 | 160.35                    | 49.906            |                    |          |
| 20,700.0              | 12,650.0              | 17,883.1              | 11,207.5              | 157.9            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 8,089.6                | 7,929.6                 | 159.97                    | 50.568            |                    |          |
| 20,800.0              | 12,650.0              | 17,883.1              | 11,207.5              | 159.5            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 8,177.0                | 8,017.4                 | 159.61                    | 51.232            |                    |          |
| 20,900.0              | 12,650.0              | 17,883.1              | 11,207.5              | 161.1            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 8,264.8                | 8,105.5                 | 159.25                    | 51.899            |                    |          |
| 21,000.0              | 12,650.0              | 17,883.1              | 11,207.5              | 162.7            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 8,352.8                | 8,193.9                 | 158.89                    | 52.569            |                    |          |
| 21,100.0              | 12,650.0              | 17,883.1              | 11,207.5              | 164.3            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 8,441.0                | 8,282.5                 | 158.55                    | 53.240            |                    |          |
| 21,200.0              | 12,650.0              | 17,883.1              | 11,207.5              | 165.9            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 8,529.6                | 8,371.4                 | 158.21                    | 53.915            |                    |          |
| 21,300.0              | 12,650.0              | 17,883.1              | 11,207.5              | 167.5            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 8,618.3                | 8,460.5                 | 157.87                    | 54.591            |                    |          |
| 21,400.0              | 12,650.0              | 17,883.1              | 11,207.5              | 169.1            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 8,707.4                | 8,549.8                 | 157.54                    | 55.269            |                    |          |
| 21,500.0              | 12,650.0              | 17,883.1              | 11,207.5              | 170.7            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 8,796.6                | 8,639.4                 | 157.22                    | 55.950            |                    |          |
| 21,600.0              | 12,650.0              | 17,883.1              | 11,207.5              | 172.3            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 8,886.1                | 8,729.2                 | 156.91                    | 56.632            |                    |          |
| 21,700.0              | 12,650.0              | 17,883.1              | 11,207.5              | 173.9            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 8,975.8                | 8,819.2                 | 156.60                    | 57.316            |                    |          |
| 21,800.0              | 12,650.0              | 17,883.1              | 11,207.5              | 175.5            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 9,065.8                | 8,909.5                 | 156.30                    | 58.002            |                    |          |
| 21,900.0              | 12,650.0              | 17,883.1              | 11,207.5              | 177.1            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 9,155.9                | 8,999.9                 | 156.01                    | 58.689            |                    |          |
| 22,000.0              | 12,650.0              | 17,883.1              | 11,207.5              | 178.7            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 9,246.2                | 9,090.5                 | 155.72                    | 59.378            |                    |          |
| 22,100.0              | 12,650.0              | 17,883.1              | 11,207.5              | 180.3            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 9,336.8                | 9,181.3                 | 155.44                    | 60.068            |                    |          |
| 22,200.0              | 12,650.0              | 17,883.1              | 11,207.5              | 182.0            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 9,427.5                | 9,272.3                 | 155.16                    | 60.760            |                    |          |
| 22,300.0              | 12,650.0              | 17,883.1              | 11,207.5              | 183.6            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 9,518.4                | 9,363.5                 | 154.89                    | 61.453            |                    |          |
| 22,400.0              | 12,650.0              | 17,883.1              | 11,207.5              | 185.2            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 9,609.5                | 9,454.9                 | 154.62                    | 62.147            |                    |          |
| 22,500.0              | 12,650.0              | 17,883.1              | 11,207.5              | 186.8            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 9,700.8                | 9,546.4                 | 154.37                    | 62.843            |                    |          |
| 22,600.0              | 12,650.0              | 17,883.1              | 11,207.5              | 188.4            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 9,792.2                | 9,638.1                 | 154.11                    | 63.539            |                    |          |
| 22,700.0              | 12,650.0              | 17,883.1              | 11,207.5              | 190.0            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 9,883.8                | 9,730.0                 | 153.86                    | 64.237            |                    |          |
| 22,800.0              | 12,650.0              | 17,883.1              | 11,207.5              | 191.6            | 120.9         | -70.11                | -2,074.1                            | 3,744.7      | 9,975.6                | 9,822.0                 | 153.62                    | 64.936            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design         |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-    |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference             |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 0.0                   | 0.0                   | 0.0                   | 0.0                   | 0.0              | 0.0           | 31.07                 | 4,730.9                             | 2,850.7      | 5,524.3                |                         |                           |                    |          |
| 100.0                 | 100.0                 | 0.0                   | 0.0                   | 0.1              | 0.0           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,523.3                 | 0.13                      | N/A                |          |
| 200.0                 | 200.0                 | 100.0                 | 100.0                 | 0.5              | 0.1           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,522.8                 | 0.61                      | 8,984.365          |          |
| 300.0                 | 300.0                 | 200.0                 | 200.0                 | 0.8              | 0.5           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,522.1                 | 1.33                      | 4,147.561          |          |
| 400.0                 | 400.0                 | 300.0                 | 300.0                 | 1.2              | 0.8           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,521.4                 | 2.05                      | 2,696.097          |          |
| 500.0                 | 500.0                 | 400.0                 | 400.0                 | 1.6              | 1.2           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,520.6                 | 2.77                      | 1,997.173          |          |
| 600.0                 | 600.0                 | 500.0                 | 500.0                 | 1.9              | 1.6           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,519.9                 | 3.48                      | 1,586.021          |          |
| 700.0                 | 700.0                 | 600.0                 | 600.0                 | 2.3              | 1.9           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,519.2                 | 4.20                      | 1,315.253          |          |
| 800.0                 | 800.0                 | 700.0                 | 700.0                 | 2.6              | 2.3           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,518.5                 | 4.92                      | 1,123.456          |          |
| 900.0                 | 900.0                 | 800.0                 | 800.0                 | 3.0              | 2.6           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,517.8                 | 5.63                      | 980.477            |          |
| 1,000.0               | 1,000.0               | 900.0                 | 900.0                 | 3.4              | 3.0           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,517.0                 | 6.35                      | 869.782            |          |
| 1,100.0               | 1,100.0               | 1,000.0               | 1,000.0               | 3.7              | 3.4           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,516.3                 | 7.07                      | 781.547            |          |
| 1,200.0               | 1,200.0               | 1,100.0               | 1,100.0               | 4.1              | 3.7           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,515.6                 | 7.78                      | 709.565            |          |
| 1,300.0               | 1,300.0               | 1,200.0               | 1,200.0               | 4.4              | 4.1           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,514.9                 | 8.50                      | 649.724            |          |
| 1,400.0               | 1,400.0               | 1,300.0               | 1,300.0               | 4.8              | 4.4           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,514.2                 | 9.22                      | 599.191            |          |
| 1,500.0               | 1,500.0               | 1,400.0               | 1,400.0               | 5.1              | 4.8           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,513.5                 | 9.94                      | 555.951            |          |
| 1,600.0               | 1,600.0               | 1,500.0               | 1,500.0               | 5.5              | 5.1           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,512.7                 | 10.65                     | 518.533            |          |
| 1,700.0               | 1,700.0               | 1,600.0               | 1,600.0               | 5.9              | 5.5           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,512.0                 | 11.37                     | 485.833            |          |
| 1,800.0               | 1,800.0               | 1,700.0               | 1,700.0               | 6.2              | 5.9           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,511.3                 | 12.09                     | 457.013            |          |
| 1,900.0               | 1,900.0               | 1,800.0               | 1,800.0               | 6.6              | 6.2           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,510.6                 | 12.80                     | 431.421            |          |
| 2,000.0               | 2,000.0               | 1,900.0               | 1,900.0               | 6.9              | 6.6           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,509.9                 | 13.52                     | 408.543            |          |
| 2,100.0               | 2,100.0               | 2,000.0               | 2,000.0               | 7.3              | 6.9           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,509.2                 | 14.24                     | 387.969            |          |
| 2,200.0               | 2,200.0               | 2,062.8               | 2,062.8               | 7.7              | 7.2           | 31.07                 | 4,731.0                             | 2,851.0      | 5,523.7                | 5,508.9                 | 14.82                     | 372.846            |          |
| 2,300.0               | 2,300.0               | 2,125.6               | 2,125.5               | 8.0              | 7.4           | 31.08                 | 4,731.1                             | 2,852.0      | 5,524.7                | 5,509.4                 | 15.39                     | 358.957            |          |
| 2,400.0               | 2,400.0               | 2,200.0               | 2,200.0               | 8.4              | 7.6           | 31.10                 | 4,731.3                             | 2,854.1      | 5,526.5                | 5,510.4                 | 16.00                     | 345.300            |          |
| 2,500.0               | 2,500.0               | 2,251.0               | 2,250.9               | 8.7              | 7.8           | 31.12                 | 4,731.6                             | 2,856.1      | 5,528.8                | 5,512.3                 | 16.54                     | 334.334            |          |
| 2,600.0               | 2,600.0               | 2,327.3               | 2,327.2               | 9.1              | 8.1           | 31.15                 | 4,732.0                             | 2,859.8      | 5,531.8                | 5,514.6                 | 17.16                     | 322.403            |          |
| 2,700.0               | 2,700.0               | 2,427.2               | 2,426.9               | 9.4              | 8.4           | 31.19                 | 4,732.6                             | 2,864.9      | 5,534.9                | 5,517.0                 | 17.86                     | 309.834            |          |
| 2,800.0               | 2,800.0               | 2,527.1               | 2,526.7               | 9.8              | 8.8           | 31.23                 | 4,733.2                             | 2,869.9      | 5,538.0                | 5,519.5                 | 18.57                     | 298.200            |          |
| 2,900.0               | 2,900.0               | 2,627.0               | 2,626.4               | 10.2             | 9.1           | 31.27                 | 4,733.8                             | 2,874.9      | 5,541.2                | 5,521.9                 | 19.28                     | 287.401            |          |
| 3,000.0               | 3,000.0               | 2,726.8               | 2,726.1               | 10.5             | 9.5           | 31.31                 | 4,734.4                             | 2,879.9      | 5,544.3                | 5,524.3                 | 19.99                     | 277.353            |          |
| 3,100.0               | 3,100.0               | 2,826.7               | 2,825.9               | 10.9             | 9.8           | 31.35                 | 4,735.1                             | 2,885.0      | 5,547.4                | 5,526.7                 | 20.70                     | 267.982            |          |
| 3,200.0               | 3,200.0               | 2,926.6               | 2,925.6               | 11.2             | 10.2          | 31.39                 | 4,735.7                             | 2,890.0      | 5,550.6                | 5,529.2                 | 21.41                     | 259.223            |          |
| 3,300.0               | 3,300.0               | 3,026.4               | 3,025.4               | 11.6             | 10.5          | 31.44                 | 4,736.3                             | 2,895.0      | 5,553.7                | 5,531.6                 | 22.12                     | 251.018            |          |
| 3,400.0               | 3,400.0               | 3,126.3               | 3,125.1               | 12.0             | 10.9          | 31.48                 | 4,736.9                             | 2,900.0      | 5,556.9                | 5,534.0                 | 22.84                     | 243.319            |          |
| 3,500.0               | 3,500.0               | 3,226.2               | 3,224.9               | 12.3             | 11.3          | 31.52                 | 4,737.5                             | 2,905.1      | 5,560.0                | 5,536.5                 | 23.55                     | 236.079            |          |
| 3,600.0               | 3,600.0               | 3,326.1               | 3,324.6               | 12.7             | 11.6          | 31.56                 | 4,738.1                             | 2,910.1      | 5,563.2                | 5,538.9                 | 24.27                     | 229.259            |          |
| 3,700.0               | 3,700.0               | 3,425.9               | 3,424.3               | 13.0             | 12.0          | 31.60                 | 4,738.7                             | 2,915.1      | 5,566.3                | 5,541.3                 | 24.98                     | 222.826            |          |
| 3,800.0               | 3,800.0               | 3,525.8               | 3,524.1               | 13.4             | 12.3          | 31.64                 | 4,739.3                             | 2,920.1      | 5,569.5                | 5,543.8                 | 25.70                     | 216.746            |          |
| 3,900.0               | 3,900.0               | 3,625.7               | 3,623.9               | 13.7             | 12.7          | -58.30                | 4,739.9                             | 2,925.2      | 5,571.7                | 5,545.3                 | 26.40                     | 211.026            |          |
| 4,000.0               | 3,999.8               | 3,725.7               | 3,723.8               | 14.1             | 13.0          | -58.29                | 4,740.5                             | 2,930.2      | 5,572.1                | 5,545.0                 | 27.10                     | 205.589            |          |
| 4,100.0               | 4,099.6               | 3,825.7               | 3,823.6               | 14.4             | 13.4          | -58.32                | 4,741.1                             | 2,935.2      | 5,571.6                | 5,543.8                 | 27.81                     | 200.378            |          |
| 4,200.0               | 4,199.4               | 3,925.7               | 3,923.5               | 14.8             | 13.8          | -58.34                | 4,741.7                             | 2,940.3      | 5,571.1                | 5,542.6                 | 28.51                     | 195.412            |          |
| 4,300.0               | 4,299.1               | 4,025.7               | 4,023.3               | 15.1             | 14.1          | -58.36                | 4,742.3                             | 2,945.3      | 5,570.6                | 5,541.4                 | 29.22                     | 190.675            |          |
| 4,400.0               | 4,398.9               | 4,125.6               | 4,123.2               | 15.5             | 14.5          | -58.38                | 4,742.9                             | 2,950.3      | 5,570.1                | 5,540.2                 | 29.92                     | 186.152            |          |
| 4,500.0               | 4,498.6               | 4,225.6               | 4,223.0               | 15.8             | 14.9          | -58.40                | 4,743.5                             | 2,955.4      | 5,569.6                | 5,539.0                 | 30.63                     | 181.829            |          |
| 4,536.7               | 4,535.2               | 4,262.3               | 4,259.7               | 15.9             | 15.0          | -58.40                | 4,743.8                             | 2,957.2      | 5,569.5                | 5,538.6                 | 30.89                     | 180.294            |          |
| 4,600.0               | 4,598.5               | 4,325.6               | 4,322.9               | 16.2             | 15.2          | -58.41                | 4,744.1                             | 2,960.4      | 5,569.8                | 5,538.4                 | 31.34                     | 177.721            |          |
| 4,700.0               | 4,698.4               | 4,425.6               | 4,422.7               | 16.5             | 15.6          | -58.41                | 4,744.7                             | 2,965.4      | 5,571.3                | 5,539.3                 | 32.05                     | 173.843            |          |
| 4,766.7               | 4,765.1               | 4,492.2               | 4,489.2               | 16.8             | 15.8          | 31.59                 | 4,745.2                             | 2,968.8      | 5,573.1                | 5,540.6                 | 32.52                     | 171.360            |          |
| 4,800.0               | 4,798.4               | 4,525.5               | 4,522.5               | 16.9             | 15.9          | 31.60                 | 4,745.4                             | 2,970.5      | 5,574.2                | 5,541.4                 | 32.76                     | 170.140            |          |
| 4,900.0               | 4,898.4               | 4,625.4               | 4,622.2               | 17.2             | 16.3          | 31.64                 | 4,746.0                             | 2,975.5      | 5,577.3                | 5,543.9                 | 33.48                     | 166.588            |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design         |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 0-    |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
| Reference             |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   | Warning            |          |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 5,000.0               | 4,998.4               | 4,725.2               | 4,722.0               | 17.6             | 16.7          | 31.68                 | 4,746.6                             | 2,980.5      | 5,580.5                | 5,546.3                 | 34.20                     | 163.184           |                    |          |
| 5,100.0               | 5,098.4               | 4,825.1               | 4,821.7               | 17.9             | 17.0          | 31.72                 | 4,747.2                             | 2,985.5      | 5,583.7                | 5,548.8                 | 34.92                     | 159.918           |                    |          |
| 5,200.0               | 5,198.4               | 4,925.0               | 4,921.5               | 18.3             | 17.4          | 31.76                 | 4,747.8                             | 2,990.6      | 5,586.8                | 5,551.2                 | 35.63                     | 156.784           |                    |          |
| 5,300.0               | 5,298.4               | 5,024.8               | 5,021.2               | 18.7             | 17.7          | 31.80                 | 4,748.4                             | 2,995.6      | 5,590.0                | 5,553.7                 | 36.35                     | 153.772           |                    |          |
| 5,400.0               | 5,398.4               | 5,124.7               | 5,121.0               | 19.0             | 18.1          | 31.84                 | 4,749.0                             | 3,000.6      | 5,593.2                | 5,556.1                 | 37.07                     | 150.877           |                    |          |
| 5,500.0               | 5,498.4               | 5,224.6               | 5,220.7               | 19.4             | 18.5          | 31.88                 | 4,749.6                             | 3,005.6      | 5,596.4                | 5,558.6                 | 37.79                     | 148.092           |                    |          |
| 5,600.0               | 5,598.4               | 5,324.5               | 5,320.4               | 19.7             | 18.8          | 31.92                 | 4,750.2                             | 3,010.7      | 5,599.5                | 5,561.0                 | 38.51                     | 145.409           |                    |          |
| 5,700.0               | 5,698.4               | 5,424.3               | 5,420.2               | 20.1             | 19.2          | 31.96                 | 4,750.8                             | 3,015.7      | 5,602.7                | 5,563.5                 | 39.23                     | 142.825           |                    |          |
| 5,766.7               | 5,765.1               | 5,509.1               | 5,486.7               | 20.3             | 19.5          | 31.99                 | 4,751.2                             | 3,019.0      | 5,604.8                | 5,565.1                 | 39.77                     | 140.920           |                    |          |
| 5,800.0               | 5,798.4               | 5,524.2               | 5,519.9               | 20.4             | 19.6          | -146.31               | 4,751.4                             | 3,020.7      | 5,606.1                | 5,566.1                 | 39.94                     | 140.356           |                    |          |
| 5,900.0               | 5,898.4               | 5,624.0               | 5,619.6               | 20.8             | 19.9          | -146.22               | 4,752.0                             | 3,025.7      | 5,611.7                | 5,571.0                 | 40.63                     | 138.117           |                    |          |
| 6,000.0               | 5,998.1               | 5,723.6               | 5,719.1               | 21.1             | 20.3          | -146.12               | 4,752.6                             | 3,030.8      | 5,620.1                | 5,578.8                 | 41.32                     | 136.020           |                    |          |
| 6,100.0               | 6,097.7               | 5,823.0               | 5,818.3               | 21.4             | 20.7          | -146.01               | 4,753.2                             | 3,035.7      | 5,631.5                | 5,589.5                 | 42.01                     | 134.063           |                    |          |
| 6,200.0               | 6,196.8               | 5,921.9               | 5,917.1               | 21.8             | 21.0          | -145.88               | 4,753.8                             | 3,040.7      | 5,645.8                | 5,603.1                 | 42.69                     | 132.239           |                    |          |
| 6,229.5               | 6,225.9               | 5,951.0               | 5,946.1               | 21.8             | 21.1          | -145.84               | 4,754.0                             | 3,042.2      | 5,650.5                | 5,607.6                 | 42.90                     | 131.725           |                    |          |
| 6,300.0               | 6,295.5               | 6,020.4               | 6,015.5               | 22.1             | 21.4          | -145.88               | 4,754.4                             | 3,045.7      | 5,662.2                | 5,618.8                 | 43.38                     | 130.525           |                    |          |
| 6,400.0               | 6,394.2               | 6,118.9               | 6,113.9               | 22.4             | 21.7          | -145.93               | 4,755.0                             | 3,050.6      | 5,678.7                | 5,634.6                 | 44.07                     | 128.864           |                    |          |
| 6,500.0               | 6,492.9               | 6,217.2               | 6,212.2               | 22.7             | 22.0          | -145.98               | -74.5                               | 3,302.6      | 5,676.1                | 5,603.5                 | 72.58                     | 78.200            |                    |          |
| 6,600.0               | 6,591.6               | 6,316.2               | 6,311.2               | 23.1             | 22.4          | -146.03               | -90.6                               | 3,302.7      | 5,677.2                | 5,604.6                 | 73.64                     | 75.980            |                    |          |
| 6,700.0               | 6,690.3               | 6,415.3               | 6,410.3               | 23.4             | 22.7          | -146.07               | -106.7                              | 3,302.7      | 5,678.3                | 5,605.7                 | 74.73                     | 73.801            |                    |          |
| 6,800.0               | 6,789.0               | 6,514.4               | 6,509.4               | 23.8             | 23.1          | -146.10               | -122.8                              | 3,302.8      | 5,679.4                | 5,606.8                 | 75.84                     | 71.665            |                    |          |
| 6,900.0               | 6,887.7               | 6,613.5               | 6,608.5               | 24.1             | 23.4          | -146.13               | -138.9                              | 3,302.8      | 5,680.5                | 5,607.9                 | 76.98                     | 69.573            |                    |          |
| 7,000.0               | 6,986.4               | 6,712.6               | 6,707.6               | 24.5             | 23.8          | -146.16               | -154.9                              | 3,302.9      | 5,681.6                | 5,609.0                 | 78.16                     | 67.525            |                    |          |
| 7,100.0               | 7,085.1               | 6,811.7               | 6,806.7               | 24.8             | 24.1          | -146.19               | -171.0                              | 3,302.9      | 5,682.7                | 5,610.1                 | 79.36                     | 65.520            |                    |          |
| 7,200.0               | 7,183.8               | 6,910.8               | 6,905.8               | 25.2             | 24.5          | -146.22               | -187.1                              | 3,303.0      | 5,683.8                | 5,611.2                 | 80.60                     | 63.561            |                    |          |
| 7,300.0               | 7,282.5               | 6,999.9               | 6,994.9               | 25.6             | 24.9          | -146.25               | -203.2                              | 3,303.0      | 5,684.9                | 5,612.3                 | 81.87                     | 61.646            |                    |          |
| 7,400.0               | 7,381.2               | 7,099.0               | 7,094.0               | 25.9             | 25.2          | -146.28               | -219.2                              | 3,303.1      | 5,686.0                | 5,613.4                 | 83.16                     | 59.775            |                    |          |
| 7,500.0               | 7,479.8               | 7,198.1               | 7,193.1               | 26.3             | 25.6          | -146.31               | -235.3                              | 3,303.1      | 5,687.1                | 5,614.5                 | 84.50                     | 57.950            |                    |          |
| 7,600.0               | 7,578.5               | 7,297.2               | 7,292.2               | 26.7             | 26.0          | -146.34               | -251.4                              | 3,303.2      | 5,688.2                | 5,615.6                 | 85.86                     | 56.171            |                    |          |
| 7,700.0               | 7,677.2               | 7,396.3               | 7,391.3               | 27.0             | 26.3          | -146.37               | -267.5                              | 3,303.2      | 5,689.3                | 5,616.7                 | 87.26                     | 54.437            |                    |          |
| 7,800.0               | 7,775.9               | 7,495.4               | 7,490.4               | 27.4             | 26.7          | -146.40               | -283.6                              | 3,303.3      | 5,690.4                | 5,617.8                 | 88.68                     | 52.750            |                    |          |
| 7,900.0               | 7,874.6               | 7,594.5               | 7,589.5               | 27.8             | 27.1          | -146.43               | -299.6                              | 3,303.3      | 5,691.5                | 5,618.9                 | 90.14                     | 51.108            |                    |          |
| 8,000.0               | 7,973.3               | 7,693.6               | 7,688.6               | 28.2             | 27.5          | -146.46               | -315.7                              | 3,303.4      | 5,692.6                | 5,619.0                 | 91.64                     | 49.513            |                    |          |
| 8,100.0               | 8,072.0               | 7,792.7               | 7,787.7               | 28.6             | 27.9          | -146.49               | -331.8                              | 3,303.4      | 5,693.7                | 5,620.1                 | 93.16                     | 47.963            |                    |          |
| 8,200.0               | 8,170.7               | 7,891.8               | 7,886.8               | 28.9             | 28.2          | -146.52               | -347.9                              | 3,303.5      | 5,694.8                | 5,621.2                 | 94.72                     | 46.461            |                    |          |
| 8,300.0               | 8,269.4               | 7,990.9               | 7,985.9               | 29.3             | 28.6          | -146.55               | -363.9                              | 3,303.5      | 5,695.9                | 5,622.3                 | 96.31                     | 45.005            |                    |          |
| 8,400.0               | 8,368.1               | 8,090.0               | 8,085.0               | 29.7             | 29.0          | -146.58               | -380.0                              | 3,303.5      | 5,697.0                | 5,623.4                 | 97.92                     | 43.596            |                    |          |
| 8,500.0               | 8,466.8               | 8,189.1               | 8,184.1               | 30.1             | 29.4          | -146.61               | -396.1                              | 3,303.6      | 5,698.1                | 5,624.5                 | 99.57                     | 42.234            |                    |          |
| 8,600.0               | 8,565.5               | 8,288.2               | 8,283.2               | 30.5             | 29.8          | -146.64               | -412.2                              | 3,303.6      | 5,699.2                | 5,625.6                 | 101.24                    | 40.918            |                    |          |
| 8,700.0               | 8,664.2               | 8,387.3               | 8,382.3               | 30.9             | 30.2          | -146.67               | -428.3                              | 3,303.7      | 5,700.3                | 5,626.7                 | 102.94                    | 39.649            |                    |          |
| 8,800.0               | 8,762.9               | 8,486.4               | 8,481.4               | 31.3             | 30.6          | -146.70               | -444.3                              | 3,303.7      | 5,701.4                | 5,627.8                 | 104.66                    | 38.428            |                    |          |
| 8,900.0               | 8,861.6               | 8,585.5               | 8,580.5               | 31.7             | 31.0          | -146.73               | -460.4                              | 3,303.8      | 5,702.5                | 5,628.9                 | 106.40                    | 37.253            |                    |          |
| 9,000.0               | 8,960.3               | 8,684.6               | 8,679.6               | 32.1             | 31.4          | -146.76               | -476.5                              | 3,303.8      | 5,703.6                | 5,629.0                 | 108.16                    | 36.125            |                    |          |
| 9,100.0               | 9,059.0               | 8,783.7               | 8,778.7               | 32.5             | 31.8          | -146.79               | -492.6                              | 3,303.8      | 5,704.7                | 5,630.1                 | 109.94                    | 35.044            |                    |          |
| 9,200.0               | 9,157.7               | 8,882.8               | 8,877.8               | 32.9             | 32.2          | -146.82               | -508.6                              | 3,303.9      | 5,705.8                | 5,631.2                 | 111.73                    | 34.010            |                    |          |
| 9,300.0               | 9,256.4               | 8,981.9               | 8,976.9               | 33.3             | 32.6          | -146.85               | -524.7                              | 3,303.9      | 5,706.9                | 5,632.3                 | 113.52                    | 33.022            |                    |          |
| 9,400.0               | 9,355.1               | 9,081.0               | 9,076.0               | 33.7             | 33.0          | -146.88               | -540.8                              | 3,304.0      | 5,708.0                | 5,633.4                 | 115.32                    | 32.081            |                    |          |
| 9,500.0               | 9,453.8               | 9,180.1               | 9,175.1               | 34.1             | 33.4          | -146.91               | -556.9                              | 3,304.0      | 5,709.1                | 5,634.5                 | 117.11                    | 31.187            |                    |          |
| 9,600.0               | 9,552.5               | 9,279.2               | 9,274.2               | 34.5             | 33.8          | -146.94               | -572.9                              | 3,304.0      | 5,710.2                | 5,635.6                 | 118.90                    | 30.339            |                    |          |
| 9,700.0               | 9,651.2               | 9,378.3               | 9,373.3               | 34.9             | 34.2          | -146.97               | -589.0                              | 3,304.1      | 5,711.3                | 5,636.7                 | 120.67                    | 29.537            |                    |          |
| 9,800.0               | 9,749.9               | 9,477.4               | 9,472.4               | 35.3             | 34.6          | -147.00               | -605.1                              | 3,304.1      | 5,712.4                | 5,637.8                 | 122.43                    | 28.781            |                    |          |
| 9,900.0               | 9,848.6               | 9,576.5               | 9,571.5               | 35.7             | 35.0          | -147.03               | -621.2                              | 3,304.2      | 5,713.5                | 5,638.9                 | 124.16                    | 28.071            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design               |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|-----------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 0-Reference |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
|                             |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   |                    |          |
| Measured Depth (usft)       | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning            |          |
| 10,000.0                    | 9,947.3               | 16,233.9              | 11,046.4              | 36.1             | 97.5          | -91.87                | -637.2                              | 3,304.2      | 3,449.4                | 3,323.5                 | 125.86                    | 27.406            |                    |          |
| 10,100.0                    | 10,046.0              | 16,249.9              | 11,046.4              | 36.5             | 97.8          | -91.59                | -653.3                              | 3,304.2      | 3,415.9                | 3,288.4                 | 127.52                    | 26.787            |                    |          |
| 10,200.0                    | 10,144.7              | 16,266.0              | 11,046.4              | 36.9             | 98.0          | -91.31                | -669.4                              | 3,304.3      | 3,385.0                | 3,255.8                 | 129.14                    | 26.213            |                    |          |
| 10,300.0                    | 10,243.4              | 16,282.1              | 11,046.4              | 37.3             | 98.3          | -91.03                | -685.5                              | 3,304.3      | 3,356.7                | 3,226.0                 | 130.70                    | 25.683            |                    |          |
| 10,400.0                    | 10,342.1              | 16,298.2              | 11,046.4              | 37.7             | 98.5          | -90.75                | -701.5                              | 3,304.3      | 3,331.0                | 3,198.8                 | 132.20                    | 25.198            |                    |          |
| 10,500.0                    | 10,440.8              | 16,314.2              | 11,046.4              | 38.1             | 98.7          | -90.47                | -717.6                              | 3,304.4      | 3,308.2                | 3,174.5                 | 133.63                    | 24.756            |                    |          |
| 10,600.0                    | 10,539.5              | 16,330.3              | 11,046.4              | 38.5             | 99.0          | -90.19                | -733.7                              | 3,304.4      | 3,288.1                | 3,153.1                 | 134.99                    | 24.359            |                    |          |
| 10,700.0                    | 10,638.2              | 16,346.4              | 11,046.3              | 39.0             | 99.2          | -89.91                | -749.8                              | 3,304.5      | 3,270.9                | 3,134.6                 | 136.27                    | 24.004            |                    |          |
| 10,800.0                    | 10,736.9              | 16,362.5              | 11,046.3              | 39.4             | 99.5          | -89.62                | -765.8                              | 3,304.5      | 3,256.6                | 3,119.1                 | 137.46                    | 23.692            |                    |          |
| 10,900.0                    | 10,835.6              | 16,378.5              | 11,046.3              | 39.8             | 99.7          | -89.34                | -781.9                              | 3,304.5      | 3,245.2                | 3,106.7                 | 138.55                    | 23.422            |                    |          |
| 11,000.0                    | 10,934.3              | 16,394.6              | 11,046.3              | 40.2             | 100.0         | -89.06                | -798.0                              | 3,304.5      | 3,236.8                | 3,097.3                 | 139.55                    | 23.194            |                    |          |
| 11,100.0                    | 11,033.0              | 16,410.7              | 11,046.3              | 40.6             | 100.2         | -88.78                | -814.1                              | 3,304.6      | 3,231.4                | 3,091.0                 | 140.46                    | 23.007            |                    |          |
| 11,200.0                    | 11,131.7              | 16,426.8              | 11,046.3              | 41.0             | 100.5         | -88.50                | -830.1                              | 3,304.6      | 3,229.0                | 3,087.8                 | 141.25                    | 22.860            |                    |          |
| 11,229.3                    | 11,160.6              | 16,431.5              | 11,046.3              | 41.1             | 100.5         | -88.42                | -834.8                              | 3,304.6      | 3,228.9                | 3,087.4                 | 141.46                    | 22.825 CC, ES     |                    |          |
| 11,300.0                    | 11,230.4              | 16,442.8              | 11,046.2              | 41.4             | 100.7         | -88.22                | -846.2                              | 3,304.6      | 3,229.6                | 3,087.7                 | 141.94                    | 22.753            |                    |          |
| 11,400.0                    | 11,329.1              | 16,458.9              | 11,046.2              | 41.9             | 100.9         | -87.94                | -862.3                              | 3,304.7      | 3,233.3                | 3,090.8                 | 142.52                    | 22.686            |                    |          |
| 11,500.0                    | 11,427.8              | 16,475.0              | 11,046.2              | 42.3             | 101.2         | -87.65                | -878.4                              | 3,304.7      | 3,239.9                | 3,096.9                 | 143.00                    | 22.657            |                    |          |
| 11,535.3                    | 11,462.6              | 16,480.6              | 11,046.2              | 42.4             | 101.3         | -87.55                | -884.0                              | 3,304.7      | 3,243.0                | 3,099.8                 | 143.14                    | 22.656            |                    |          |
| 11,600.0                    | 11,526.5              | 16,490.5              | 11,046.2              | 42.7             | 101.4         | -87.48                | -893.9                              | 3,304.7      | 3,249.6                | 3,106.2                 | 143.35                    | 22.668            |                    |          |
| 11,700.0                    | 11,625.7              | 16,503.6              | 11,046.2              | 43.1             | 101.6         | -87.44                | -907.0                              | 3,304.8      | 3,262.3                | 3,118.8                 | 143.55                    | 22.726            |                    |          |
| 11,800.0                    | 11,725.1              | 16,514.1              | 11,046.2              | 43.5             | 101.8         | -87.50                | -917.4                              | 3,304.8      | 3,278.1                | 3,134.5                 | 143.59                    | 22.829            |                    |          |
| 11,900.0                    | 11,824.8              | 16,521.9              | 11,046.2              | 43.9             | 101.9         | -87.65                | -925.3                              | 3,304.8      | 3,297.0                | 3,153.5                 | 143.48                    | 22.979            |                    |          |
| 12,000.0                    | 11,924.7              | 16,527.1              | 11,046.2              | 44.2             | 102.0         | -87.89                | -930.5                              | 3,304.8      | 3,318.8                | 3,175.6                 | 143.22                    | 23.174            |                    |          |
| 12,100.0                    | 12,024.6              | 16,529.7              | 11,046.2              | 44.6             | 102.0         | -88.23                | -933.1                              | 3,304.8      | 3,343.6                | 3,200.8                 | 142.81                    | 23.413            |                    |          |
| 12,152.4                    | 12,077.0              | 16,530.0              | 11,046.2              | 44.7             | 102.0         | 89.88                 | -933.4                              | 3,304.8      | 3,357.8                | 3,215.2                 | 142.54                    | 23.557            |                    |          |
| 12,200.0                    | 12,124.6              | 16,532.0              | 11,046.2              | 44.9             | 102.1         | -92.61                | -935.4                              | 3,304.8      | 3,371.4                | 3,229.1                 | 142.31                    | 23.691            |                    |          |
| 12,250.0                    | 12,174.2              | 16,538.3              | 11,046.1              | 45.1             | 102.2         | -90.91                | -941.6                              | 3,304.8      | 3,386.5                | 3,244.4                 | 142.14                    | 23.826            |                    |          |
| 12,300.0                    | 12,223.0              | 16,548.9              | 11,046.1              | 45.3             | 102.3         | -89.06                | -952.2                              | 3,304.8      | 3,402.4                | 3,260.3                 | 142.04                    | 23.953            |                    |          |
| 12,350.0                    | 12,270.7              | 16,563.7              | 11,046.1              | 45.6             | 102.5         | -87.07                | -967.1                              | 3,304.9      | 3,418.8                | 3,276.8                 | 142.02                    | 24.072            |                    |          |
| 12,400.0                    | 12,317.0              | 16,582.7              | 11,046.1              | 45.8             | 102.8         | -84.99                | -986.0                              | 3,304.9      | 3,435.6                | 3,293.5                 | 142.08                    | 24.181            |                    |          |
| 12,450.0                    | 12,361.4              | 16,605.6              | 11,046.1              | 46.1             | 103.2         | -82.85                | -1,009.0                            | 3,304.9      | 3,452.5                | 3,310.3                 | 142.21                    | 24.276            |                    |          |
| 12,500.0                    | 12,403.7              | 16,632.3              | 11,046.1              | 46.4             | 103.6         | -80.69                | -1,035.7                            | 3,305.0      | 3,469.3                | 3,326.9                 | 142.43                    | 24.357            |                    |          |
| 12,550.0                    | 12,443.5              | 16,662.6              | 11,046.0              | 46.7             | 104.1         | -78.55                | -1,066.0                            | 3,305.0      | 3,485.9                | 3,343.2                 | 142.74                    | 24.422            |                    |          |
| 12,600.0                    | 12,480.5              | 16,696.3              | 11,046.0              | 47.1             | 104.6         | -76.47                | -1,099.7                            | 3,305.1      | 3,502.1                | 3,359.0                 | 143.12                    | 24.469            |                    |          |
| 12,650.0                    | 12,514.4              | 16,733.1              | 11,045.9              | 47.4             | 105.1         | -74.50                | -1,136.5                            | 3,305.1      | 3,517.5                | 3,373.9                 | 143.60                    | 24.496            |                    |          |
| 12,700.0                    | 12,545.0              | 16,772.7              | 11,045.9              | 47.8             | 105.7         | -72.65                | -1,176.1                            | 3,305.2      | 3,532.1                | 3,388.0                 | 144.15                    | 24.503            |                    |          |
| 12,750.0                    | 12,572.0              | 16,814.9              | 11,045.9              | 48.1             | 106.4         | -70.97                | -1,218.3                            | 3,305.2      | 3,545.6                | 3,400.8                 | 144.79                    | 24.487            |                    |          |
| 12,800.0                    | 12,595.3              | 16,859.3              | 11,045.8              | 48.5             | 107.1         | -69.48                | -1,262.6                            | 3,305.3      | 3,557.9                | 3,412.4                 | 145.52                    | 24.450            |                    |          |
| 12,850.0                    | 12,614.6              | 16,905.5              | 11,045.8              | 48.9             | 107.8         | -68.18                | -1,308.9                            | 3,305.3      | 3,568.8                | 3,422.5                 | 146.32                    | 24.390            |                    |          |
| 12,900.0                    | 12,629.8              | 16,953.3              | 11,045.7              | 49.3             | 108.5         | -67.10                | -1,356.6                            | 3,305.4      | 3,578.1                | 3,430.9                 | 147.20                    | 24.308            |                    |          |
| 12,950.0                    | 12,640.8              | 17,002.2              | 11,045.7              | 49.7             | 109.3         | -66.25                | -1,405.5                            | 3,305.4      | 3,585.8                | 3,437.7                 | 148.15                    | 24.203            |                    |          |
| 13,000.0                    | 12,647.6              | 17,051.9              | 11,045.6              | 50.1             | 110.0         | -65.62                | -1,455.2                            | 3,305.5      | 3,591.8                | 3,442.6                 | 149.18                    | 24.078            |                    |          |
| 13,052.4                    | 12,650.0              | 17,104.3              | 11,045.6              | 50.5             | 110.9         | -65.22                | -1,507.7                            | 3,305.5      | 3,596.1                | 3,445.8                 | 150.31                    | 23.925            |                    |          |
| 13,100.0                    | 12,650.0              | 17,152.1              | 11,045.5              | 50.9             | 111.6         | -65.26                | -1,555.5                            | 3,305.6      | 3,598.8                | 3,447.4                 | 151.37                    | 23.774            |                    |          |
| 13,200.0                    | 12,650.0              | 17,252.7              | 11,045.4              | 51.8             | 113.2         | -65.31                | -1,656.0                            | 3,305.6      | 3,602.1                | 3,448.4                 | 153.62                    | 23.447            |                    |          |
| 13,267.5                    | 12,650.0              | 17,320.6              | 11,045.4              | 52.4             | 114.2         | -65.31                | -1,724.0                            | 3,305.7      | 3,602.5                | 3,447.3                 | 155.15                    | 23.219            |                    |          |
| 13,300.0                    | 12,650.0              | 17,353.2              | 11,045.3              | 52.7             | 114.7         | -65.31                | -1,756.6                            | 3,305.7      | 3,602.3                | 3,446.4                 | 155.89                    | 23.107            |                    |          |
| 13,400.0                    | 12,650.0              | 17,453.8              | 11,045.2              | 53.6             | 116.3         | -65.31                | -1,857.2                            | 3,305.7      | 3,601.8                | 3,443.6                 | 158.20                    | 22.768            |                    |          |
| 13,500.0                    | 12,650.0              | 17,554.4              | 11,045.1              | 54.6             | 117.9         | -65.30                | -1,957.8                            | 3,305.7      | 3,601.3                | 3,440.8                 | 160.53                    | 22.433            |                    |          |
| 13,600.0                    | 12,650.0              | 17,655.0              | 11,045.0              | 55.6             | 119.4         | -65.29                | -2,058.4                            | 3,305.7      | 3,600.8                | 3,437.9                 | 162.91                    | 22.103            |                    |          |
| 13,635.9                    | 12,650.0              | 17,671.5              | 11,045.0              | 55.9             | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 3,600.6                | 3,437.1                 | 163.51                    | 22.021            |                    |          |
| 13,700.0                    | 12,650.0              | 17,671.5              | 11,045.0              | 56.6             | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 3,601.2                | 3,437.0                 | 164.16                    | 21.937            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design         |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 0-    |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
| Reference             |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   | Warning            |          |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 13,800.0              | 12,650.0              | 17,671.5              | 11,045.0              | 57.6             | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 3,604.4                | 3,439.2                 | 165.14                    | 21.825            |                    |          |
| 13,900.0              | 12,650.0              | 17,671.5              | 11,045.0              | 58.7             | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 3,610.3                | 3,444.2                 | 166.07                    | 21.740            |                    |          |
| 14,000.0              | 12,650.0              | 17,671.5              | 11,045.0              | 59.8             | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 3,619.0                | 3,452.1                 | 166.92                    | 21.681            |                    |          |
| 14,100.0              | 12,650.0              | 17,671.5              | 11,045.0              | 61.0             | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 3,630.4                | 3,462.7                 | 167.71                    | 21.647            |                    |          |
| 14,200.0              | 12,650.0              | 17,671.5              | 11,045.0              | 62.1             | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 3,644.5                | 3,476.1                 | 168.42                    | 21.640 SF         |                    |          |
| 14,300.0              | 12,650.0              | 17,671.5              | 11,045.0              | 63.3             | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 3,661.3                | 3,492.3                 | 169.06                    | 21.657            |                    |          |
| 14,400.0              | 12,650.0              | 17,671.5              | 11,045.0              | 64.5             | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 3,680.8                | 3,511.2                 | 169.63                    | 21.699            |                    |          |
| 14,500.0              | 12,650.0              | 17,671.5              | 11,045.0              | 65.7             | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 3,702.8                | 3,532.7                 | 170.12                    | 21.767            |                    |          |
| 14,600.0              | 12,650.0              | 17,671.5              | 11,045.0              | 67.0             | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 3,727.4                | 3,556.9                 | 170.53                    | 21.858            |                    |          |
| 14,700.0              | 12,650.0              | 17,671.5              | 11,045.0              | 68.2             | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 3,754.6                | 3,583.7                 | 170.87                    | 21.973            |                    |          |
| 14,800.0              | 12,650.0              | 17,671.5              | 11,045.0              | 69.5             | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 3,784.1                | 3,613.0                 | 171.14                    | 22.111            |                    |          |
| 14,900.0              | 12,650.0              | 17,671.5              | 11,045.0              | 70.8             | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 3,816.1                | 3,644.7                 | 171.33                    | 22.273            |                    |          |
| 15,000.0              | 12,650.0              | 17,671.5              | 11,045.0              | 72.1             | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 3,850.3                | 3,678.9                 | 171.46                    | 22.456            |                    |          |
| 15,100.0              | 12,650.0              | 17,671.5              | 11,045.0              | 73.4             | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 3,886.9                | 3,715.4                 | 171.52                    | 22.661            |                    |          |
| 15,200.0              | 12,650.0              | 17,671.5              | 11,045.0              | 74.8             | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 3,925.7                | 3,754.1                 | 171.52                    | 22.887            |                    |          |
| 15,300.0              | 12,650.0              | 17,671.5              | 11,045.0              | 76.1             | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 3,966.6                | 3,795.1                 | 171.46                    | 23.134            |                    |          |
| 15,400.0              | 12,650.0              | 17,671.5              | 11,045.0              | 77.5             | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 4,009.5                | 3,838.2                 | 171.34                    | 23.401            |                    |          |
| 15,500.0              | 12,650.0              | 17,671.5              | 11,045.0              | 78.8             | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 4,054.5                | 3,883.4                 | 171.17                    | 23.687            |                    |          |
| 15,600.0              | 12,650.0              | 17,671.5              | 11,045.0              | 80.2             | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 4,101.5                | 3,930.5                 | 170.95                    | 23.992            |                    |          |
| 15,700.0              | 12,650.0              | 17,671.5              | 11,045.0              | 81.6             | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 4,150.3                | 3,979.6                 | 170.68                    | 24.316            |                    |          |
| 15,800.0              | 12,650.0              | 17,671.5              | 11,045.0              | 83.0             | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 4,200.9                | 4,030.5                 | 170.38                    | 24.656            |                    |          |
| 15,900.0              | 12,650.0              | 17,671.5              | 11,045.0              | 84.4             | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 4,253.3                | 4,083.3                 | 170.03                    | 25.015            |                    |          |
| 16,000.0              | 12,650.0              | 17,671.5              | 11,045.0              | 85.9             | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 4,307.4                | 4,137.7                 | 169.65                    | 25.389            |                    |          |
| 16,100.0              | 12,650.0              | 17,671.5              | 11,045.0              | 87.3             | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 4,363.0                | 4,193.8                 | 169.24                    | 25.780            |                    |          |
| 16,200.0              | 12,650.0              | 17,671.5              | 11,045.0              | 88.7             | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 4,420.3                | 4,251.5                 | 168.80                    | 26.186            |                    |          |
| 16,300.0              | 12,650.0              | 17,671.5              | 11,045.0              | 90.2             | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 4,479.0                | 4,310.7                 | 168.34                    | 26.607            |                    |          |
| 16,400.0              | 12,650.0              | 17,671.5              | 11,045.0              | 91.6             | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 4,539.2                | 4,371.4                 | 167.85                    | 27.043            |                    |          |
| 16,500.0              | 12,650.0              | 17,671.5              | 11,045.0              | 93.1             | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 4,600.8                | 4,433.5                 | 167.35                    | 27.492            |                    |          |
| 16,600.0              | 12,650.0              | 17,671.5              | 11,045.0              | 94.5             | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 4,663.7                | 4,496.9                 | 166.83                    | 27.955            |                    |          |
| 16,700.0              | 12,650.0              | 17,671.5              | 11,045.0              | 96.0             | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 4,727.9                | 4,561.6                 | 166.29                    | 28.431            |                    |          |
| 16,800.0              | 12,650.0              | 17,671.5              | 11,045.0              | 97.5             | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 4,793.3                | 4,627.6                 | 165.75                    | 28.919            |                    |          |
| 16,900.0              | 12,650.0              | 17,671.5              | 11,045.0              | 99.0             | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 4,859.9                | 4,694.7                 | 165.19                    | 29.420            |                    |          |
| 17,000.0              | 12,650.0              | 17,671.5              | 11,045.0              | 100.5            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 4,927.6                | 4,763.0                 | 164.63                    | 29.932            |                    |          |
| 17,100.0              | 12,650.0              | 17,671.5              | 11,045.0              | 101.9            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 4,996.4                | 4,832.4                 | 164.06                    | 30.455            |                    |          |
| 17,200.0              | 12,650.0              | 17,671.5              | 11,045.0              | 103.4            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 5,066.3                | 4,902.8                 | 163.49                    | 30.989            |                    |          |
| 17,300.0              | 12,650.0              | 17,671.5              | 11,045.0              | 104.9            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 5,137.1                | 4,974.2                 | 162.91                    | 31.533            |                    |          |
| 17,400.0              | 12,650.0              | 17,671.5              | 11,045.0              | 106.5            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 5,208.9                | 5,046.6                 | 162.34                    | 32.087            |                    |          |
| 17,500.0              | 12,650.0              | 17,671.5              | 11,045.0              | 108.0            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 5,281.6                | 5,119.9                 | 161.76                    | 32.650            |                    |          |
| 17,600.0              | 12,650.0              | 17,671.5              | 11,045.0              | 109.5            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 5,355.2                | 5,194.0                 | 161.19                    | 33.223            |                    |          |
| 17,700.0              | 12,650.0              | 17,671.5              | 11,045.0              | 111.0            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 5,429.7                | 5,269.0                 | 160.62                    | 33.805            |                    |          |
| 17,800.0              | 12,650.0              | 17,671.5              | 11,045.0              | 112.5            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 5,504.9                | 5,344.9                 | 160.05                    | 34.395            |                    |          |
| 17,900.0              | 12,650.0              | 17,671.5              | 11,045.0              | 114.1            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 5,580.9                | 5,421.4                 | 159.49                    | 34.993            |                    |          |
| 18,000.0              | 12,650.0              | 17,671.5              | 11,045.0              | 115.6            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 5,657.7                | 5,498.8                 | 158.93                    | 35.599            |                    |          |
| 18,100.0              | 12,650.0              | 17,671.5              | 11,045.0              | 117.1            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 5,735.2                | 5,576.8                 | 158.37                    | 36.213            |                    |          |
| 18,200.0              | 12,650.0              | 17,671.5              | 11,045.0              | 118.7            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 5,813.4                | 5,655.5                 | 157.83                    | 36.834            |                    |          |
| 18,300.0              | 12,650.0              | 17,671.5              | 11,045.0              | 120.2            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 5,892.2                | 5,734.9                 | 157.29                    | 37.462            |                    |          |
| 18,400.0              | 12,650.0              | 17,671.5              | 11,045.0              | 121.8            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 5,971.7                | 5,814.9                 | 156.75                    | 38.096            |                    |          |
| 18,500.0              | 12,650.0              | 17,671.5              | 11,045.0              | 123.3            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 6,051.7                | 5,895.5                 | 156.23                    | 38.737            |                    |          |
| 18,600.0              | 12,650.0              | 17,671.5              | 11,045.0              | 124.9            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 6,132.4                | 5,976.7                 | 155.71                    | 39.383            |                    |          |
| 18,700.0              | 12,650.0              | 17,671.5              | 11,045.0              | 126.4            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 6,213.6                | 6,058.4                 | 155.20                    | 40.036            |                    |          |
| 18,800.0              | 12,650.0              | 17,671.5              | 11,045.0              | 128.0            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 6,295.4                | 6,140.7                 | 154.70                    | 40.694            |                    |          |
| 18,900.0              | 12,650.0              | 17,671.5              | 11,045.0              | 129.5            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 6,377.7                | 6,223.5                 | 154.21                    | 41.358            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design         |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-    |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference             |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 19,000.0              | 12,650.0              | 17,671.5              | 11,045.0              | 131.1            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 6,460.5                | 6,306.8                 | 153.72                    | 42.026             |          |
| 19,100.0              | 12,650.0              | 17,671.5              | 11,045.0              | 132.6            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 6,543.7                | 6,390.5                 | 153.25                    | 42.700             |          |
| 19,200.0              | 12,650.0              | 17,671.5              | 11,045.0              | 134.2            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 6,627.5                | 6,474.7                 | 152.78                    | 43.378             |          |
| 19,300.0              | 12,650.0              | 17,671.5              | 11,045.0              | 135.8            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 6,711.6                | 6,559.3                 | 152.33                    | 44.061             |          |
| 19,400.0              | 12,650.0              | 17,671.5              | 11,045.0              | 137.3            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 6,796.2                | 6,644.4                 | 151.88                    | 44.748             |          |
| 19,500.0              | 12,650.0              | 17,671.5              | 11,045.0              | 138.9            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 6,881.3                | 6,729.8                 | 151.44                    | 45.439             |          |
| 19,600.0              | 12,650.0              | 17,671.5              | 11,045.0              | 140.5            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 6,966.7                | 6,815.7                 | 151.01                    | 46.134             |          |
| 19,700.0              | 12,650.0              | 17,671.5              | 11,045.0              | 142.1            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 7,052.5                | 6,901.9                 | 150.59                    | 46.833             |          |
| 19,800.0              | 12,650.0              | 17,671.5              | 11,045.0              | 143.6            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 7,138.6                | 6,988.5                 | 150.18                    | 47.535             |          |
| 19,900.0              | 12,650.0              | 17,671.5              | 11,045.0              | 145.2            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 7,225.2                | 7,075.4                 | 149.77                    | 48.241             |          |
| 20,000.0              | 12,650.0              | 17,671.5              | 11,045.0              | 146.8            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 7,312.0                | 7,162.7                 | 149.38                    | 48.950             |          |
| 20,100.0              | 12,650.0              | 17,671.5              | 11,045.0              | 148.4            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 7,399.2                | 7,250.2                 | 148.99                    | 49.662             |          |
| 20,200.0              | 12,650.0              | 17,671.5              | 11,045.0              | 150.0            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 7,486.8                | 7,338.1                 | 148.62                    | 50.377             |          |
| 20,300.0              | 12,650.0              | 17,671.5              | 11,045.0              | 151.6            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 7,574.6                | 7,426.3                 | 148.25                    | 51.094             |          |
| 20,400.0              | 12,650.0              | 17,671.5              | 11,045.0              | 153.2            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 7,662.7                | 7,514.8                 | 147.89                    | 51.814             |          |
| 20,500.0              | 12,650.0              | 17,671.5              | 11,045.0              | 154.7            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 7,751.1                | 7,603.6                 | 147.54                    | 52.537             |          |
| 20,600.0              | 12,650.0              | 17,671.5              | 11,045.0              | 156.3            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 7,839.8                | 7,692.6                 | 147.19                    | 53.262             |          |
| 20,700.0              | 12,650.0              | 17,671.5              | 11,045.0              | 157.9            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 7,928.8                | 7,781.9                 | 146.86                    | 53.990             |          |
| 20,800.0              | 12,650.0              | 17,671.5              | 11,045.0              | 159.5            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 8,018.0                | 7,871.5                 | 146.53                    | 54.719             |          |
| 20,900.0              | 12,650.0              | 17,671.5              | 11,045.0              | 161.1            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 8,107.5                | 7,961.3                 | 146.21                    | 55.450             |          |
| 21,000.0              | 12,650.0              | 17,671.5              | 11,045.0              | 162.7            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 8,197.2                | 8,051.3                 | 145.90                    | 56.184             |          |
| 21,100.0              | 12,650.0              | 17,671.5              | 11,045.0              | 164.3            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 8,287.2                | 8,141.6                 | 145.60                    | 56.919             |          |
| 21,200.0              | 12,650.0              | 17,671.5              | 11,045.0              | 165.9            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 8,377.3                | 8,232.0                 | 145.30                    | 57.656             |          |
| 21,300.0              | 12,650.0              | 17,671.5              | 11,045.0              | 167.5            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 8,467.7                | 8,322.7                 | 145.01                    | 58.394             |          |
| 21,400.0              | 12,650.0              | 17,671.5              | 11,045.0              | 169.1            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 8,558.3                | 8,413.6                 | 144.73                    | 59.134             |          |
| 21,500.0              | 12,650.0              | 17,671.5              | 11,045.0              | 170.7            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 8,649.2                | 8,504.7                 | 144.45                    | 59.875             |          |
| 21,600.0              | 12,650.0              | 17,671.5              | 11,045.0              | 172.3            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 8,740.2                | 8,596.0                 | 144.19                    | 60.617             |          |
| 21,700.0              | 12,650.0              | 17,671.5              | 11,045.0              | 173.9            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 8,831.4                | 8,687.5                 | 143.93                    | 61.361             |          |
| 21,800.0              | 12,650.0              | 17,671.5              | 11,045.0              | 175.5            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 8,922.8                | 8,779.1                 | 143.67                    | 62.105             |          |
| 21,900.0              | 12,650.0              | 17,671.5              | 11,045.0              | 177.1            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 9,014.4                | 8,871.0                 | 143.43                    | 62.851             |          |
| 22,000.0              | 12,650.0              | 17,671.5              | 11,045.0              | 178.7            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 9,106.2                | 8,963.0                 | 143.18                    | 63.597             |          |
| 22,100.0              | 12,650.0              | 17,671.5              | 11,045.0              | 180.3            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 9,198.1                | 9,055.1                 | 142.95                    | 64.345             |          |
| 22,200.0              | 12,650.0              | 17,671.5              | 11,045.0              | 182.0            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 9,290.2                | 9,147.5                 | 142.72                    | 65.093             |          |
| 22,300.0              | 12,650.0              | 17,671.5              | 11,045.0              | 183.6            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 9,382.5                | 9,240.0                 | 142.50                    | 65.842             |          |
| 22,400.0              | 12,650.0              | 17,671.5              | 11,045.0              | 185.2            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 9,474.9                | 9,332.6                 | 142.28                    | 66.591             |          |
| 22,500.0              | 12,650.0              | 17,671.5              | 11,045.0              | 186.8            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 9,567.5                | 9,425.4                 | 142.07                    | 67.342             |          |
| 22,600.0              | 12,650.0              | 17,671.5              | 11,045.0              | 188.4            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 9,660.2                | 9,518.3                 | 141.87                    | 68.092             |          |
| 22,700.0              | 12,650.0              | 17,671.5              | 11,045.0              | 190.0            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 9,753.0                | 9,611.4                 | 141.67                    | 68.843             |          |
| 22,800.0              | 12,650.0              | 17,671.5              | 11,045.0              | 191.6            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 9,846.1                | 9,704.6                 | 141.48                    | 69.594             |          |
| 22,884.1              | 12,650.0              | 17,671.5              | 11,045.0              | 193.0            | 119.7         | -65.29                | -2,074.9                            | 3,305.7      | 9,924.4                | 9,783.1                 | 141.32                    | 70.227             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design         |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-    |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference             |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 0.0                   | 0.0                   | 0.0                   | 0.0                   | 0.0              | 0.0           | 31.07                 | 4,730.9                             | 2,850.7      | 5,524.3                |                         |                           |                    |          |
| 100.0                 | 100.0                 | 0.0                   | 0.0                   | 0.1              | 0.0           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,523.3                 | 0.13                      | N/A                |          |
| 200.0                 | 200.0                 | 100.0                 | 100.0                 | 0.5              | 0.1           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,522.8                 | 0.61                      | 8,984.365          |          |
| 300.0                 | 300.0                 | 200.0                 | 200.0                 | 0.8              | 0.5           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,522.1                 | 1.33                      | 4,147.561          |          |
| 400.0                 | 400.0                 | 300.0                 | 300.0                 | 1.2              | 0.8           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,521.4                 | 2.05                      | 2,696.097          |          |
| 500.0                 | 500.0                 | 400.0                 | 400.0                 | 1.6              | 1.2           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,520.6                 | 2.77                      | 1,997.173          |          |
| 600.0                 | 600.0                 | 500.0                 | 500.0                 | 1.9              | 1.6           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,519.9                 | 3.48                      | 1,586.021          |          |
| 700.0                 | 700.0                 | 600.0                 | 600.0                 | 2.3              | 1.9           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,519.2                 | 4.20                      | 1,315.253          |          |
| 800.0                 | 800.0                 | 700.0                 | 700.0                 | 2.6              | 2.3           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,518.5                 | 4.92                      | 1,123.456          |          |
| 900.0                 | 900.0                 | 800.0                 | 800.0                 | 3.0              | 2.6           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,517.8                 | 5.63                      | 980.477            |          |
| 1,000.0               | 1,000.0               | 900.0                 | 900.0                 | 3.4              | 3.0           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,517.0                 | 6.35                      | 869.782            |          |
| 1,100.0               | 1,100.0               | 1,000.0               | 1,000.0               | 3.7              | 3.4           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,516.3                 | 7.07                      | 781.547            |          |
| 1,200.0               | 1,200.0               | 1,100.0               | 1,100.0               | 4.1              | 3.7           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,515.6                 | 7.78                      | 709.565            |          |
| 1,300.0               | 1,300.0               | 1,200.0               | 1,200.0               | 4.4              | 4.1           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,514.9                 | 8.50                      | 649.724            |          |
| 1,400.0               | 1,400.0               | 1,300.0               | 1,300.0               | 4.8              | 4.4           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,514.2                 | 9.22                      | 599.191            |          |
| 1,500.0               | 1,500.0               | 1,400.0               | 1,400.0               | 5.1              | 4.8           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,513.5                 | 9.94                      | 555.951            |          |
| 1,600.0               | 1,600.0               | 1,500.0               | 1,500.0               | 5.5              | 5.1           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,512.7                 | 10.65                     | 518.533            |          |
| 1,700.0               | 1,700.0               | 1,600.0               | 1,600.0               | 5.9              | 5.5           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,512.0                 | 11.37                     | 485.833            |          |
| 1,800.0               | 1,800.0               | 1,700.0               | 1,700.0               | 6.2              | 5.9           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,511.3                 | 12.09                     | 457.013            |          |
| 1,900.0               | 1,900.0               | 1,800.0               | 1,800.0               | 6.6              | 6.2           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,510.6                 | 12.80                     | 431.421            |          |
| 2,000.0               | 2,000.0               | 1,900.0               | 1,900.0               | 6.9              | 6.6           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,509.9                 | 13.52                     | 408.543            |          |
| 2,100.0               | 2,100.0               | 2,000.0               | 2,000.0               | 7.3              | 6.9           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,509.2                 | 14.24                     | 387.969            |          |
| 2,200.0               | 2,200.0               | 2,094.9               | 2,094.9               | 7.7              | 7.3           | 31.06                 | 4,731.3                             | 2,850.1      | 5,523.5                | 5,508.5                 | 14.93                     | 369.940            |          |
| 2,300.0               | 2,300.0               | 2,205.1               | 2,194.9               | 8.0              | 7.7           | 31.05                 | 4,731.9                             | 2,849.3      | 5,523.6                | 5,507.9                 | 15.68                     | 352.338            |          |
| 2,400.0               | 2,400.0               | 2,305.1               | 2,294.9               | 8.4              | 8.0           | 31.04                 | 4,732.5                             | 2,848.5      | 5,523.6                | 5,507.3                 | 16.39                     | 337.057            |          |
| 2,500.0               | 2,500.0               | 2,405.1               | 2,394.9               | 8.7              | 8.4           | 31.03                 | 4,733.1                             | 2,847.7      | 5,523.7                | 5,506.6                 | 17.10                     | 323.037            |          |
| 2,600.0               | 2,600.0               | 2,505.1               | 2,494.9               | 9.1              | 8.7           | 31.02                 | 4,733.7                             | 2,846.9      | 5,523.8                | 5,506.0                 | 17.81                     | 310.129            |          |
| 2,700.0               | 2,700.0               | 2,605.1               | 2,594.9               | 9.4              | 9.1           | 31.01                 | 4,734.3                             | 2,846.1      | 5,523.9                | 5,505.4                 | 18.52                     | 298.206            |          |
| 2,800.0               | 2,800.0               | 2,705.1               | 2,694.9               | 9.8              | 9.4           | 31.00                 | 4,734.9                             | 2,845.3      | 5,524.0                | 5,504.8                 | 19.24                     | 287.162            |          |
| 2,900.0               | 2,900.0               | 2,805.1               | 2,794.8               | 10.2             | 9.8           | 30.99                 | 4,735.5                             | 2,844.5      | 5,524.1                | 5,504.2                 | 19.95                     | 276.902            |          |
| 3,000.0               | 3,000.0               | 2,905.1               | 2,894.8               | 10.5             | 10.1          | 30.98                 | 4,736.1                             | 2,843.7      | 5,524.2                | 5,503.5                 | 20.66                     | 267.347            |          |
| 3,100.0               | 3,100.0               | 3,005.1               | 2,994.8               | 10.9             | 10.5          | 30.97                 | 4,736.7                             | 2,842.9      | 5,524.3                | 5,502.9                 | 21.38                     | 258.426            |          |
| 3,200.0               | 3,200.0               | 3,105.1               | 3,094.8               | 11.2             | 10.9          | 30.96                 | 4,737.3                             | 2,842.0      | 5,524.4                | 5,502.3                 | 22.09                     | 250.079            |          |
| 3,300.0               | 3,300.0               | 3,194.9               | 3,194.8               | 11.6             | 11.2          | 30.95                 | 4,737.9                             | 2,841.2      | 5,524.5                | 5,501.7                 | 22.77                     | 242.641            |          |
| 3,400.0               | 3,400.0               | 3,305.1               | 3,294.8               | 12.0             | 11.6          | 30.94                 | 4,738.4                             | 2,840.4      | 5,524.6                | 5,501.1                 | 23.52                     | 234.899            |          |
| 3,500.0               | 3,500.0               | 3,405.1               | 3,394.8               | 12.3             | 11.9          | 30.93                 | 4,739.0                             | 2,839.6      | 5,524.7                | 5,500.4                 | 24.23                     | 227.978            |          |
| 3,600.0               | 3,600.0               | 3,505.2               | 3,494.8               | 12.7             | 12.3          | 30.92                 | 4,739.6                             | 2,838.8      | 5,524.8                | 5,499.8                 | 24.95                     | 221.451            |          |
| 3,700.0               | 3,700.0               | 3,605.2               | 3,594.8               | 13.0             | 12.6          | 30.91                 | 4,740.2                             | 2,838.0      | 5,524.9                | 5,499.2                 | 25.66                     | 215.287            |          |
| 3,800.0               | 3,800.0               | 3,705.2               | 3,694.8               | 13.4             | 13.0          | 30.90                 | 4,740.8                             | 2,837.2      | 5,525.0                | 5,498.6                 | 26.38                     | 209.456            |          |
| 3,900.0               | 3,900.0               | 3,805.2               | 3,794.7               | 13.7             | 13.3          | -59.14                | 4,741.4                             | 2,836.4      | 5,524.2                | 5,497.1                 | 27.08                     | 203.964            |          |
| 4,000.0               | 3,999.8               | 3,905.4               | 3,894.5               | 14.1             | 13.7          | -59.24                | 4,742.0                             | 2,835.6      | 5,521.6                | 5,493.8                 | 27.78                     | 198.737            |          |
| 4,100.0               | 4,099.6               | 4,005.7               | 3,994.2               | 14.4             | 14.1          | -59.31                | 4,742.6                             | 2,834.8      | 5,518.1                | 5,489.6                 | 28.48                     | 193.722            |          |
| 4,200.0               | 4,199.4               | 4,106.0               | 4,093.9               | 14.8             | 14.4          | -59.39                | 4,743.2                             | 2,834.0      | 5,514.6                | 5,485.4                 | 29.19                     | 188.939            |          |
| 4,300.0               | 4,299.1               | 4,206.3               | 4,193.6               | 15.1             | 14.8          | -59.46                | 4,743.8                             | 2,833.2      | 5,511.2                | 5,481.3                 | 29.89                     | 184.372            |          |
| 4,400.0               | 4,398.9               | 4,306.6               | 4,293.3               | 15.5             | 15.1          | -59.53                | 4,744.4                             | 2,832.4      | 5,507.7                | 5,477.1                 | 30.60                     | 180.008            |          |
| 4,500.0               | 4,498.6               | 4,406.9               | 4,393.0               | 15.8             | 15.5          | -59.61                | 4,745.0                             | 2,831.6      | 5,504.3                | 5,473.0                 | 31.30                     | 175.835            |          |
| 4,600.0               | 4,598.5               | 4,507.1               | 4,492.7               | 16.2             | 15.8          | -59.63                | 4,745.6                             | 2,830.7      | 5,501.5                | 5,469.5                 | 32.01                     | 171.866            |          |
| 4,700.0               | 4,698.4               | 4,607.2               | 4,592.7               | 16.5             | 16.2          | -59.65                | 4,746.2                             | 2,829.9      | 5,500.1                | 5,467.4                 | 32.72                     | 168.118            |          |
| 4,758.8               | 4,757.2               | 4,651.5               | 4,651.4               | 16.7             | 16.4          | -59.66                | 4,746.5                             | 2,829.5      | 5,499.9                | 5,466.8                 | 33.08                     | 166.254            |          |
| 4,766.7               | 4,765.1               | 4,659.4               | 4,659.3               | 16.8             | 16.4          | 30.34                 | 4,746.6                             | 2,829.4      | 5,499.9                | 5,466.7                 | 33.14                     | 165.973            |          |
| 4,800.0               | 4,798.4               | 4,707.2               | 4,692.6               | 16.9             | 16.6          | 30.34                 | 4,746.8                             | 2,829.1      | 5,499.9                | 5,466.5                 | 33.43                     | 164.535            |          |
| 4,900.0               | 4,898.4               | 4,807.2               | 4,792.6               | 17.2             | 16.9          | 30.33                 | 4,747.4                             | 2,828.3      | 5,500.0                | 5,465.9                 | 34.14                     | 161.092            |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design               |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|-----------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 0-Reference |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
|                             |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   |                    | Warning  |
| Measured Depth (usft)       | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 5,000.0                     | 4,998.4               | 4,907.2               | 4,892.6               | 17.6             | 17.3          | 30.32                 | 4,748.0                             | 2,827.5      | 5,500.1                | 5,465.3                 | 34.86                     | 157.791           |                    |          |
| 5,100.0                     | 5,098.4               | 5,007.2               | 4,992.6               | 17.9             | 17.6          | 30.31                 | 4,748.5                             | 2,826.7      | 5,500.2                | 5,464.6                 | 35.57                     | 154.622           |                    |          |
| 5,200.0                     | 5,198.4               | 5,107.2               | 5,092.6               | 18.3             | 18.0          | 30.30                 | 4,749.1                             | 2,825.9      | 5,500.3                | 5,464.0                 | 36.29                     | 151.578           |                    |          |
| 5,300.0                     | 5,298.4               | 5,207.2               | 5,192.6               | 18.7             | 18.4          | 30.29                 | 4,749.7                             | 2,825.1      | 5,500.4                | 5,463.4                 | 37.00                     | 148.651           |                    |          |
| 5,400.0                     | 5,398.4               | 5,292.7               | 5,292.6               | 19.0             | 18.7          | 30.28                 | 4,750.3                             | 2,824.3      | 5,500.5                | 5,462.9                 | 37.67                     | 146.035           |                    |          |
| 5,500.0                     | 5,498.4               | 5,407.3               | 5,392.6               | 19.4             | 19.1          | 30.26                 | 4,750.9                             | 2,823.5      | 5,500.6                | 5,462.2                 | 38.43                     | 143.122           |                    |          |
| 5,600.0                     | 5,598.4               | 5,507.3               | 5,492.6               | 19.7             | 19.4          | 30.25                 | 4,751.5                             | 2,822.7      | 5,500.7                | 5,461.6                 | 39.15                     | 140.510           |                    |          |
| 5,700.0                     | 5,698.4               | 5,607.3               | 5,592.6               | 20.1             | 19.8          | 30.24                 | 4,752.1                             | 2,821.9      | 5,500.8                | 5,461.0                 | 39.86                     | 137.990           |                    |          |
| 5,766.7                     | 5,765.1               | 5,659.4               | 5,659.2               | 20.3             | 20.0          | 30.24                 | 4,752.5                             | 2,821.3      | 5,500.9                | 5,460.6                 | 40.29                     | 136.536           |                    |          |
| 5,800.0                     | 5,798.4               | 5,707.3               | 5,692.5               | 20.4             | 20.1          | -148.09               | 4,752.7                             | 2,821.0      | 5,501.1                | 5,460.5                 | 40.57                     | 135.581           |                    |          |
| 5,900.0                     | 5,898.4               | 5,807.3               | 5,792.5               | 20.8             | 20.5          | -148.09               | 4,753.3                             | 2,820.2      | 5,503.7                | 5,462.4                 | 41.26                     | 133.393           |                    |          |
| 6,000.0                     | 5,998.1               | 5,907.6               | 5,892.2               | 21.1             | 20.9          | -148.08               | 4,753.9                             | 2,819.4      | 5,509.2                | 5,467.3                 | 41.95                     | 131.341           |                    |          |
| 6,100.0                     | 6,097.7               | 6,008.2               | 5,991.6               | 21.4             | 21.2          | -148.05               | 4,754.5                             | 2,818.6      | 5,517.7                | 5,475.1                 | 42.63                     | 129.419           |                    |          |
| 6,200.0                     | 6,196.8               | 6,109.1               | 6,090.6               | 21.8             | 21.6          | -148.01               | 4,755.1                             | 2,817.8      | 5,529.2                | 5,485.9                 | 43.33                     | 127.621           |                    |          |
| 6,229.5                     | 6,225.9               | 6,119.9               | 6,119.7               | 21.8             | 21.6          | -148.00               | 4,755.2                             | 2,817.6      | 5,533.1                | 5,489.7                 | 43.46                     | 127.312           |                    |          |
| 6,300.0                     | 6,295.5               | 6,189.5               | 6,189.3               | 22.1             | 21.9          | -148.07               | 4,755.7                             | 2,817.0      | 5,542.9                | 5,498.9                 | 43.94                     | 126.140           |                    |          |
| 6,400.0                     | 6,394.2               | 15,612.4              | 11,042.6              | 22.4             | 87.9          | -104.26               | -46.4                               | 2,815.8      | 5,493.7                | 5,425.8                 | 67.89                     | 80.920            |                    |          |
| 6,500.0                     | 6,492.9               | 15,628.9              | 11,042.6              | 22.7             | 88.2          | -103.95               | -62.9                               | 2,815.9      | 5,408.4                | 5,339.6                 | 68.85                     | 78.550            |                    |          |
| 6,600.0                     | 6,591.6               | 15,645.4              | 11,042.7              | 23.1             | 88.4          | -103.63               | -79.3                               | 2,815.9      | 5,323.6                | 5,253.8                 | 69.85                     | 76.220            |                    |          |
| 6,700.0                     | 6,690.3               | 15,661.8              | 11,042.7              | 23.4             | 88.7          | -103.32               | -95.8                               | 2,815.9      | 5,239.3                | 5,168.4                 | 70.87                     | 73.932            |                    |          |
| 6,800.0                     | 6,789.0               | 15,678.3              | 11,042.8              | 23.8             | 88.9          | -103.00               | -112.2                              | 2,816.0      | 5,155.5                | 5,083.6                 | 71.92                     | 71.685            |                    |          |
| 6,900.0                     | 6,887.7               | 15,694.7              | 11,042.8              | 24.1             | 89.2          | -102.68               | -128.7                              | 2,816.0      | 5,072.2                | 4,999.2                 | 73.00                     | 69.480            |                    |          |
| 7,000.0                     | 6,986.4               | 15,711.2              | 11,042.9              | 24.5             | 89.4          | -102.36               | -145.2                              | 2,816.0      | 4,989.5                | 4,915.4                 | 74.12                     | 67.317            |                    |          |
| 7,100.0                     | 7,085.1               | 15,727.7              | 11,042.9              | 24.8             | 89.6          | -102.04               | -161.6                              | 2,816.0      | 4,907.4                | 4,832.1                 | 75.27                     | 65.198            |                    |          |
| 7,200.0                     | 7,183.8               | 15,744.1              | 11,043.0              | 25.2             | 89.9          | -101.72               | -178.1                              | 2,816.0      | 4,825.8                | 4,749.4                 | 76.45                     | 63.122            |                    |          |
| 7,300.0                     | 7,282.5               | 15,760.6              | 11,043.0              | 25.6             | 90.1          | -101.40               | -194.6                              | 2,816.1      | 4,745.0                | 4,667.3                 | 77.67                     | 61.090            |                    |          |
| 7,400.0                     | 7,381.2               | 15,777.1              | 11,043.0              | 25.9             | 90.4          | -101.07               | -211.0                              | 2,816.1      | 4,664.8                | 4,585.9                 | 78.93                     | 59.102            |                    |          |
| 7,500.0                     | 7,479.8               | 15,793.5              | 11,043.1              | 26.3             | 90.6          | -100.75               | -227.5                              | 2,816.1      | 4,585.4                | 4,505.1                 | 80.22                     | 57.160            |                    |          |
| 7,600.0                     | 7,578.5               | 15,810.0              | 11,043.1              | 26.7             | 90.9          | -100.43               | -243.9                              | 2,816.1      | 4,506.7                | 4,425.1                 | 81.55                     | 55.263            |                    |          |
| 7,700.0                     | 7,677.2               | 15,826.5              | 11,043.2              | 27.0             | 91.1          | -100.10               | -260.4                              | 2,816.2      | 4,428.8                | 4,345.8                 | 82.92                     | 53.411            |                    |          |
| 7,800.0                     | 7,775.9               | 15,842.9              | 11,043.2              | 27.4             | 91.4          | -99.78                | -276.9                              | 2,816.2      | 4,351.7                | 4,267.4                 | 84.33                     | 51.605            |                    |          |
| 7,900.0                     | 7,874.6               | 15,859.4              | 11,043.3              | 27.8             | 91.6          | -99.45                | -293.3                              | 2,816.2      | 4,275.5                | 4,189.8                 | 85.77                     | 49.846            |                    |          |
| 8,000.0                     | 7,973.3               | 15,875.8              | 11,043.3              | 28.2             | 91.9          | -99.12                | -309.8                              | 2,816.2      | 4,200.3                | 4,113.0                 | 87.26                     | 48.134            |                    |          |
| 8,100.0                     | 8,072.0               | 15,892.3              | 11,043.4              | 28.6             | 92.1          | -98.79                | -326.3                              | 2,816.2      | 4,126.0                | 4,037.3                 | 88.79                     | 46.469            |                    |          |
| 8,200.0                     | 8,170.7               | 15,908.8              | 11,043.4              | 28.9             | 92.4          | -98.47                | -342.7                              | 2,816.2      | 4,052.8                | 3,962.5                 | 90.36                     | 44.852            |                    |          |
| 8,300.0                     | 8,269.4               | 15,925.2              | 11,043.5              | 29.3             | 92.6          | -98.14                | -359.2                              | 2,816.3      | 3,980.7                | 3,888.8                 | 91.97                     | 43.282            |                    |          |
| 8,400.0                     | 8,368.1               | 15,941.7              | 11,043.5              | 29.7             | 92.8          | -97.81                | -375.7                              | 2,816.3      | 3,909.8                | 3,816.2                 | 93.62                     | 41.760            |                    |          |
| 8,500.0                     | 8,466.8               | 15,958.2              | 11,043.6              | 30.1             | 93.1          | -97.48                | -392.1                              | 2,816.3      | 3,840.1                | 3,744.7                 | 95.32                     | 40.287            |                    |          |
| 8,600.0                     | 8,565.5               | 15,974.6              | 11,043.6              | 30.5             | 93.3          | -97.14                | -408.6                              | 2,816.3      | 3,771.6                | 3,674.6                 | 97.05                     | 38.863            |                    |          |
| 8,700.0                     | 8,664.2               | 15,991.1              | 11,043.7              | 30.9             | 93.6          | -96.81                | -425.0                              | 2,816.3      | 3,704.5                | 3,605.7                 | 98.82                     | 37.488            |                    |          |
| 8,800.0                     | 8,762.9               | 16,007.6              | 11,043.7              | 31.3             | 93.8          | -96.48                | -441.5                              | 2,816.3      | 3,638.9                | 3,538.3                 | 100.63                    | 36.163            |                    |          |
| 8,900.0                     | 8,861.6               | 16,024.0              | 11,043.8              | 31.7             | 94.1          | -96.15                | -458.0                              | 2,816.3      | 3,574.8                | 3,472.3                 | 102.47                    | 34.887            |                    |          |
| 9,000.0                     | 8,960.3               | 16,040.5              | 11,043.8              | 32.1             | 94.3          | -95.81                | -474.4                              | 2,816.4      | 3,512.3                | 3,407.9                 | 104.34                    | 33.661            |                    |          |
| 9,100.0                     | 9,059.0               | 16,056.9              | 11,043.9              | 32.5             | 94.6          | -95.48                | -490.9                              | 2,816.4      | 3,451.4                | 3,345.2                 | 106.25                    | 32.485            |                    |          |
| 9,200.0                     | 9,157.7               | 16,073.4              | 11,043.9              | 32.9             | 94.8          | -95.14                | -507.4                              | 2,816.4      | 3,392.4                | 3,284.2                 | 108.18                    | 31.359            |                    |          |
| 9,300.0                     | 9,256.4               | 16,089.9              | 11,044.0              | 33.3             | 95.1          | -94.81                | -523.8                              | 2,816.4      | 3,335.2                | 3,225.1                 | 110.13                    | 30.284            |                    |          |
| 9,400.0                     | 9,355.1               | 16,106.3              | 11,044.0              | 33.7             | 95.3          | -94.47                | -540.3                              | 2,816.4      | 3,280.0                | 3,167.9                 | 112.10                    | 29.259            |                    |          |
| 9,500.0                     | 9,453.8               | 16,122.8              | 11,044.1              | 34.1             | 95.6          | -94.14                | -556.8                              | 2,816.4      | 3,226.9                | 3,112.8                 | 114.08                    | 28.286            |                    |          |
| 9,600.0                     | 9,552.5               | 16,139.3              | 11,044.1              | 34.5             | 95.8          | -93.80                | -573.2                              | 2,816.4      | 3,175.9                | 3,059.8                 | 116.07                    | 27.363            |                    |          |
| 9,700.0                     | 9,651.2               | 16,155.7              | 11,044.1              | 34.9             | 96.1          | -93.47                | -589.7                              | 2,816.4      | 3,127.2                | 3,009.2                 | 118.05                    | 26.491            |                    |          |
| 9,800.0                     | 9,749.9               | 16,172.2              | 11,044.2              | 35.3             | 96.3          | -93.13                | -606.2                              | 2,816.4      | 3,080.9                | 2,960.9                 | 120.02                    | 25.670            |                    |          |
| 9,900.0                     | 9,848.6               | 16,188.7              | 11,044.2              | 35.7             | 96.6          | -92.79                | -622.6                              | 2,816.4      | 3,037.1                | 2,915.2                 | 121.97                    | 24.900            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design         |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-    |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference             |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                    |          |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  | Warning  |
| 10,000.0              | 9,947.3               | 16,205.1              | 11,044.3              | 36.1             | 96.8          | -92.45                | -639.1                              | 2,816.4      | 2,996.0                | 2,872.1                 | 123.90                    | 24.181             |          |
| 10,100.0              | 10,046.0              | 16,221.6              | 11,044.3              | 36.5             | 97.1          | -92.12                | -655.6                              | 2,816.4      | 2,957.5                | 2,831.7                 | 125.78                    | 23.513             |          |
| 10,200.0              | 10,144.7              | 16,238.1              | 11,044.4              | 36.9             | 97.3          | -91.78                | -672.0                              | 2,816.4      | 2,921.9                | 2,794.2                 | 127.61                    | 22.896             |          |
| 10,300.0              | 10,243.4              | 16,254.5              | 11,044.4              | 37.3             | 97.6          | -91.44                | -688.5                              | 2,816.5      | 2,889.2                | 2,759.8                 | 129.39                    | 22.330             |          |
| 10,400.0              | 10,342.1              | 16,271.0              | 11,044.5              | 37.7             | 97.8          | -91.10                | -704.9                              | 2,816.5      | 2,859.5                | 2,728.4                 | 131.09                    | 21.814             |          |
| 10,500.0              | 10,440.8              | 16,287.5              | 11,044.5              | 38.1             | 98.1          | -90.76                | -721.4                              | 2,816.5      | 2,832.9                | 2,700.2                 | 132.70                    | 21.348             |          |
| 10,600.0              | 10,539.5              | 16,303.9              | 11,044.6              | 38.5             | 98.3          | -90.42                | -737.9                              | 2,816.5      | 2,809.6                | 2,675.4                 | 134.22                    | 20.932             |          |
| 10,700.0              | 10,638.2              | 16,320.4              | 11,044.6              | 39.0             | 98.6          | -90.08                | -754.3                              | 2,816.5      | 2,789.5                | 2,653.9                 | 135.64                    | 20.566             |          |
| 10,800.0              | 10,736.9              | 16,336.8              | 11,044.7              | 39.4             | 98.8          | -89.74                | -770.8                              | 2,816.5      | 2,772.9                | 2,635.9                 | 136.94                    | 20.249             |          |
| 10,900.0              | 10,835.6              | 16,353.3              | 11,044.7              | 39.8             | 99.1          | -89.40                | -787.3                              | 2,816.5      | 2,759.6                | 2,621.5                 | 138.11                    | 19.981             |          |
| 11,000.0              | 10,934.3              | 16,369.8              | 11,044.8              | 40.2             | 99.3          | -89.06                | -803.7                              | 2,816.5      | 2,749.8                | 2,610.7                 | 139.15                    | 19.762             |          |
| 11,100.0              | 11,033.0              | 16,386.2              | 11,044.8              | 40.6             | 99.6          | -88.73                | -820.2                              | 2,816.5      | 2,743.6                | 2,603.5                 | 140.05                    | 19.590             |          |
| 11,200.0              | 11,131.7              | 16,402.7              | 11,044.9              | 41.0             | 99.8          | -88.39                | -836.7                              | 2,816.5      | 2,740.9                | 2,600.0                 | 140.81                    | 19.465             |          |
| 11,226.7              | 11,158.0              | 16,407.1              | 11,044.9              | 41.1             | 99.9          | -88.30                | -841.1                              | 2,816.5      | 2,740.7                | 2,599.7                 | 140.99                    | 19.439 CC, ES      |          |
| 11,300.0              | 11,230.4              | 16,419.2              | 11,044.9              | 41.4             | 100.1         | -88.05                | -853.1                              | 2,816.5      | 2,741.7                | 2,600.3                 | 141.42                    | 19.387             |          |
| 11,400.0              | 11,329.1              | 16,435.6              | 11,045.0              | 41.9             | 100.3         | -87.71                | -869.6                              | 2,816.5      | 2,746.1                | 2,604.2                 | 141.88                    | 19.354 SF          |          |
| 11,500.0              | 11,427.8              | 16,452.1              | 11,045.0              | 42.3             | 100.6         | -87.37                | -886.1                              | 2,816.5      | 2,754.0                | 2,611.8                 | 142.20                    | 19.367             |          |
| 11,535.3              | 11,462.6              | 16,457.9              | 11,045.0              | 42.4             | 100.6         | -87.25                | -891.9                              | 2,816.5      | 2,757.6                | 2,615.3                 | 142.28                    | 19.382             |          |
| 11,600.0              | 11,526.5              | 16,468.0              | 11,045.1              | 42.7             | 100.8         | -87.16                | -902.0                              | 2,816.5      | 2,765.4                | 2,623.0                 | 142.36                    | 19.426             |          |
| 11,700.0              | 11,625.7              | 16,481.5              | 11,045.1              | 43.1             | 101.0         | -87.10                | -915.5                              | 2,816.4      | 2,780.4                | 2,638.1                 | 142.32                    | 19.536             |          |
| 11,800.0              | 11,725.1              | 16,492.4              | 11,045.1              | 43.5             | 101.2         | -87.16                | -926.3                              | 2,816.4      | 2,799.0                | 2,656.9                 | 142.10                    | 19.698             |          |
| 11,900.0              | 11,824.8              | 16,500.6              | 11,045.2              | 43.9             | 101.3         | -87.33                | -934.6                              | 2,816.4      | 2,821.1                | 2,679.4                 | 141.69                    | 19.911             |          |
| 12,000.0              | 11,924.7              | 16,506.2              | 11,045.2              | 44.2             | 101.4         | -87.61                | -940.2                              | 2,816.4      | 2,846.7                | 2,705.6                 | 141.10                    | 20.174             |          |
| 12,100.0              | 12,024.6              | 16,509.2              | 11,045.2              | 44.6             | 101.4         | -88.00                | -943.2                              | 2,816.4      | 2,875.6                | 2,735.2                 | 140.36                    | 20.487             |          |
| 12,152.4              | 12,077.0              | 16,509.7              | 11,045.2              | 44.7             | 101.4         | 90.08                 | -943.7                              | 2,816.4      | 2,892.0                | 2,752.1                 | 139.90                    | 20.671             |          |
| 12,200.0              | 12,124.6              | 16,511.9              | 11,045.2              | 44.9             | 101.5         | -92.16                | -945.8                              | 2,816.4      | 2,907.8                | 2,768.3                 | 139.51                    | 20.844             |          |
| 12,250.0              | 12,174.2              | 16,518.4              | 11,045.2              | 45.1             | 101.6         | -90.16                | -952.3                              | 2,816.4      | 2,925.3                | 2,786.1                 | 139.16                    | 21.022             |          |
| 12,300.0              | 12,223.0              | 16,529.2              | 11,045.2              | 45.3             | 101.7         | -87.98                | -963.1                              | 2,816.4      | 2,943.5                | 2,804.6                 | 138.88                    | 21.194             |          |
| 12,350.0              | 12,270.7              | 16,544.2              | 11,045.3              | 45.6             | 102.0         | -85.67                | -978.1                              | 2,816.4      | 2,962.2                | 2,823.5                 | 138.68                    | 21.360             |          |
| 12,400.0              | 12,317.0              | 16,563.3              | 11,045.3              | 45.8             | 102.3         | -83.26                | -997.3                              | 2,816.4      | 2,981.3                | 2,842.7                 | 138.57                    | 21.515             |          |
| 12,450.0              | 12,361.4              | 16,586.4              | 11,045.4              | 46.1             | 102.6         | -80.79                | -1,020.4                            | 2,816.4      | 3,000.4                | 2,861.9                 | 138.53                    | 21.658             |          |
| 12,500.0              | 12,403.7              | 16,613.3              | 11,045.5              | 46.4             | 103.0         | -78.32                | -1,047.3                            | 2,816.4      | 3,019.4                | 2,880.8                 | 138.59                    | 21.786             |          |
| 12,550.0              | 12,443.5              | 16,643.8              | 11,045.6              | 46.7             | 103.5         | -75.89                | -1,077.8                            | 2,816.4      | 3,038.0                | 2,899.3                 | 138.74                    | 21.897             |          |
| 12,600.0              | 12,480.5              | 16,677.7              | 11,045.7              | 47.1             | 104.0         | -73.56                | -1,111.6                            | 2,816.4      | 3,056.0                | 2,917.1                 | 138.98                    | 21.989             |          |
| 12,650.0              | 12,514.4              | 16,714.6              | 11,045.8              | 47.4             | 104.6         | -71.36                | -1,148.6                            | 2,816.3      | 3,073.2                | 2,933.9                 | 139.32                    | 22.058             |          |
| 12,700.0              | 12,545.0              | 16,754.4              | 11,045.9              | 47.8             | 105.2         | -69.33                | -1,188.4                            | 2,816.3      | 3,089.3                | 2,949.5                 | 139.76                    | 22.105             |          |
| 12,750.0              | 12,572.0              | 16,796.7              | 11,046.0              | 48.1             | 105.8         | -67.50                | -1,230.6                            | 2,816.3      | 3,104.1                | 2,963.8                 | 140.29                    | 22.127             |          |
| 12,800.0              | 12,595.3              | 16,841.2              | 11,046.2              | 48.5             | 106.5         | -65.89                | -1,275.1                            | 2,816.2      | 3,117.5                | 2,976.6                 | 140.91                    | 22.123             |          |
| 12,850.0              | 12,614.6              | 16,887.5              | 11,046.3              | 48.9             | 107.2         | -64.51                | -1,321.5                            | 2,816.2      | 3,129.2                | 2,987.6                 | 141.63                    | 22.094             |          |
| 12,900.0              | 12,629.8              | 16,935.3              | 11,046.4              | 49.3             | 108.0         | -63.39                | -1,369.3                            | 2,816.1      | 3,139.1                | 2,996.7                 | 142.44                    | 22.038             |          |
| 12,950.0              | 12,640.8              | 16,984.3              | 11,046.6              | 49.7             | 108.7         | -62.51                | -1,418.3                            | 2,816.0      | 3,147.2                | 3,003.9                 | 143.34                    | 21.956             |          |
| 13,000.0              | 12,647.6              | 17,034.0              | 11,046.7              | 50.1             | 109.5         | -61.89                | -1,468.0                            | 2,816.0      | 3,153.3                | 3,008.9                 | 144.32                    | 21.849             |          |
| 13,052.4              | 12,650.0              | 17,086.6              | 11,046.9              | 50.5             | 110.3         | -61.52                | -1,520.5                            | 2,815.9      | 3,157.4                | 3,012.0                 | 145.43                    | 21.711             |          |
| 13,100.0              | 12,650.0              | 17,134.4              | 11,047.0              | 50.9             | 111.0         | -61.57                | -1,568.3                            | 2,815.8      | 3,159.8                | 3,013.4                 | 146.48                    | 21.572             |          |
| 13,200.0              | 12,650.0              | 17,235.0              | 11,047.3              | 51.8             | 112.6         | -61.63                | -1,668.9                            | 2,815.6      | 3,162.6                | 3,013.9                 | 148.69                    | 21.270             |          |
| 13,267.5              | 12,650.0              | 17,302.9              | 11,047.5              | 52.4             | 113.6         | -61.64                | -1,736.8                            | 2,815.5      | 3,162.7                | 3,012.5                 | 150.18                    | 21.059             |          |
| 13,300.0              | 12,650.0              | 17,335.6              | 11,047.6              | 52.7             | 114.1         | -61.64                | -1,769.5                            | 2,815.4      | 3,162.4                | 3,011.5                 | 150.90                    | 20.957             |          |
| 13,400.0              | 12,650.0              | 17,436.2              | 11,047.9              | 53.6             | 115.7         | -61.63                | -1,870.1                            | 2,815.2      | 3,161.6                | 3,008.4                 | 153.15                    | 20.644             |          |
| 13,500.0              | 12,650.0              | 17,536.8              | 11,048.2              | 54.6             | 117.3         | -61.63                | -1,970.7                            | 2,814.9      | 3,160.7                | 3,005.2                 | 155.43                    | 20.335             |          |
| 13,600.0              | 12,650.0              | 17,637.4              | 11,048.5              | 55.6             | 118.8         | -61.63                | -2,071.4                            | 2,814.7      | 3,159.7                | 3,002.0                 | 157.74                    | 20.031             |          |
| 13,632.1              | 12,650.0              | 17,640.1              | 11,048.5              | 55.9             | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 3,159.6                | 3,001.5                 | 158.05                    | 19.991             |          |
| 13,700.0              | 12,650.0              | 17,640.1              | 11,048.5              | 56.6             | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 3,160.3                | 3,001.7                 | 158.60                    | 19.927             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design         |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 0-    |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
| Reference             |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   |                    |          |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning            |          |
| 13,800.0              | 12,650.0              | 17,640.1              | 11,048.5              | 57.6             | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 3,164.0                | 3,004.7                 | 159.33                    | 19.858            |                    |          |
| 13,900.0              | 12,650.0              | 17,640.1              | 11,048.5              | 58.7             | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 3,170.9                | 3,010.9                 | 159.99                    | 19.819            |                    |          |
| 14,000.0              | 12,650.0              | 17,640.1              | 11,048.5              | 59.8             | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 3,180.9                | 3,020.4                 | 160.56                    | 19.811            |                    |          |
| 14,100.0              | 12,650.0              | 17,640.1              | 11,048.5              | 61.0             | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 3,194.0                | 3,033.0                 | 161.04                    | 19.834            |                    |          |
| 14,200.0              | 12,650.0              | 17,640.1              | 11,048.5              | 62.1             | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 3,210.2                | 3,048.8                 | 161.43                    | 19.886            |                    |          |
| 14,300.0              | 12,650.0              | 17,640.1              | 11,048.5              | 63.3             | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 3,229.4                | 3,067.7                 | 161.73                    | 19.968            |                    |          |
| 14,400.0              | 12,650.0              | 17,640.1              | 11,048.5              | 64.5             | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 3,251.6                | 3,089.6                 | 161.94                    | 20.079            |                    |          |
| 14,500.0              | 12,650.0              | 17,640.1              | 11,048.5              | 65.7             | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 3,276.6                | 3,114.6                 | 162.06                    | 20.218            |                    |          |
| 14,600.0              | 12,650.0              | 17,640.1              | 11,048.5              | 67.0             | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 3,304.5                | 3,142.4                 | 162.10                    | 20.386            |                    |          |
| 14,700.0              | 12,650.0              | 17,640.1              | 11,048.5              | 68.2             | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 3,335.2                | 3,173.1                 | 162.05                    | 20.581            |                    |          |
| 14,800.0              | 12,650.0              | 17,640.1              | 11,048.5              | 69.5             | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 3,368.5                | 3,206.6                 | 161.92                    | 20.804            |                    |          |
| 14,900.0              | 12,650.0              | 17,640.1              | 11,048.5              | 70.8             | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 3,404.5                | 3,242.8                 | 161.72                    | 21.052            |                    |          |
| 15,000.0              | 12,650.0              | 17,640.1              | 11,048.5              | 72.1             | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 3,443.0                | 3,281.5                 | 161.44                    | 21.326            |                    |          |
| 15,100.0              | 12,650.0              | 17,640.1              | 11,048.5              | 73.4             | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 3,483.9                | 3,322.8                 | 161.11                    | 21.625            |                    |          |
| 15,200.0              | 12,650.0              | 17,640.1              | 11,048.5              | 74.8             | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 3,527.2                | 3,366.5                 | 160.71                    | 21.948            |                    |          |
| 15,300.0              | 12,650.0              | 17,640.1              | 11,048.5              | 76.1             | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 3,572.8                | 3,412.6                 | 160.25                    | 22.295            |                    |          |
| 15,400.0              | 12,650.0              | 17,640.1              | 11,048.5              | 77.5             | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 3,620.6                | 3,460.8                 | 159.75                    | 22.664            |                    |          |
| 15,500.0              | 12,650.0              | 17,640.1              | 11,048.5              | 78.8             | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 3,670.4                | 3,511.2                 | 159.20                    | 23.055            |                    |          |
| 15,600.0              | 12,650.0              | 17,640.1              | 11,048.5              | 80.2             | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 3,722.3                | 3,563.7                 | 158.61                    | 23.468            |                    |          |
| 15,700.0              | 12,650.0              | 17,640.1              | 11,048.5              | 81.6             | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 3,776.2                | 3,618.2                 | 157.99                    | 23.901            |                    |          |
| 15,800.0              | 12,650.0              | 17,640.1              | 11,048.5              | 83.0             | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 3,831.8                | 3,674.5                 | 157.34                    | 24.354            |                    |          |
| 15,900.0              | 12,650.0              | 17,640.1              | 11,048.5              | 84.4             | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 3,889.3                | 3,732.6                 | 156.67                    | 24.825            |                    |          |
| 16,000.0              | 12,650.0              | 17,640.1              | 11,048.5              | 85.9             | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 3,948.4                | 3,792.5                 | 155.97                    | 25.316            |                    |          |
| 16,100.0              | 12,650.0              | 17,640.1              | 11,048.5              | 87.3             | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 4,009.2                | 3,853.9                 | 155.25                    | 25.824            |                    |          |
| 16,200.0              | 12,650.0              | 17,640.1              | 11,048.5              | 88.7             | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 4,071.5                | 3,917.0                 | 154.53                    | 26.348            |                    |          |
| 16,300.0              | 12,650.0              | 17,640.1              | 11,048.5              | 90.2             | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 4,135.3                | 3,981.5                 | 153.79                    | 26.890            |                    |          |
| 16,400.0              | 12,650.0              | 17,640.1              | 11,048.5              | 91.6             | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 4,200.5                | 4,047.5                 | 153.04                    | 27.447            |                    |          |
| 16,500.0              | 12,650.0              | 17,640.1              | 11,048.5              | 93.1             | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 4,267.1                | 4,114.8                 | 152.29                    | 28.019            |                    |          |
| 16,600.0              | 12,650.0              | 17,640.1              | 11,048.5              | 94.5             | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 4,334.9                | 4,183.4                 | 151.54                    | 28.605            |                    |          |
| 16,700.0              | 12,650.0              | 17,640.1              | 11,048.5              | 96.0             | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 4,404.0                | 4,253.2                 | 150.79                    | 29.206            |                    |          |
| 16,800.0              | 12,650.0              | 17,640.1              | 11,048.5              | 97.5             | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 4,474.2                | 4,324.2                 | 150.05                    | 29.819            |                    |          |
| 16,900.0              | 12,650.0              | 17,640.1              | 11,048.5              | 99.0             | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 4,545.6                | 4,396.3                 | 149.30                    | 30.445            |                    |          |
| 17,000.0              | 12,650.0              | 17,640.1              | 11,048.5              | 100.5            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 4,618.0                | 4,469.4                 | 148.57                    | 31.084            |                    |          |
| 17,100.0              | 12,650.0              | 17,640.1              | 11,048.5              | 101.9            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 4,691.4                | 4,543.6                 | 147.84                    | 31.734            |                    |          |
| 17,200.0              | 12,650.0              | 17,640.1              | 11,048.5              | 103.4            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 4,765.8                | 4,618.7                 | 147.11                    | 32.395            |                    |          |
| 17,300.0              | 12,650.0              | 17,640.1              | 11,048.5              | 104.9            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 4,841.2                | 4,694.7                 | 146.40                    | 33.067            |                    |          |
| 17,400.0              | 12,650.0              | 17,640.1              | 11,048.5              | 106.5            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 4,917.4                | 4,771.6                 | 145.70                    | 33.749            |                    |          |
| 17,500.0              | 12,650.0              | 17,640.1              | 11,048.5              | 108.0            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 4,994.4                | 4,849.4                 | 145.01                    | 34.441            |                    |          |
| 17,600.0              | 12,650.0              | 17,640.1              | 11,048.5              | 109.5            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 5,072.2                | 4,927.9                 | 144.33                    | 35.142            |                    |          |
| 17,700.0              | 12,650.0              | 17,640.1              | 11,048.5              | 111.0            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 5,150.8                | 5,007.2                 | 143.67                    | 35.852            |                    |          |
| 17,800.0              | 12,650.0              | 17,640.1              | 11,048.5              | 112.5            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 5,230.2                | 5,087.2                 | 143.02                    | 36.570            |                    |          |
| 17,900.0              | 12,650.0              | 17,640.1              | 11,048.5              | 114.1            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 5,310.2                | 5,167.8                 | 142.38                    | 37.296            |                    |          |
| 18,000.0              | 12,650.0              | 17,640.1              | 11,048.5              | 115.6            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 5,390.9                | 5,249.2                 | 141.75                    | 38.030            |                    |          |
| 18,100.0              | 12,650.0              | 17,640.1              | 11,048.5              | 117.1            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 5,472.2                | 5,331.1                 | 141.14                    | 38.771            |                    |          |
| 18,200.0              | 12,650.0              | 17,640.1              | 11,048.5              | 118.7            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 5,554.2                | 5,413.6                 | 140.54                    | 39.519            |                    |          |
| 18,300.0              | 12,650.0              | 17,640.1              | 11,048.5              | 120.2            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 5,636.7                | 5,496.8                 | 139.96                    | 40.274            |                    |          |
| 18,400.0              | 12,650.0              | 17,640.1              | 11,048.5              | 121.8            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 5,719.8                | 5,580.4                 | 139.39                    | 41.034            |                    |          |
| 18,500.0              | 12,650.0              | 17,640.1              | 11,048.5              | 123.3            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 5,803.4                | 5,664.6                 | 138.83                    | 41.801            |                    |          |
| 18,600.0              | 12,650.0              | 17,640.1              | 11,048.5              | 124.9            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 5,887.6                | 5,749.3                 | 138.29                    | 42.573            |                    |          |
| 18,700.0              | 12,650.0              | 17,640.1              | 11,048.5              | 126.4            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 5,972.2                | 5,834.4                 | 137.76                    | 43.351            |                    |          |
| 18,800.0              | 12,650.0              | 17,640.1              | 11,048.5              | 128.0            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 6,057.3                | 5,920.0                 | 137.25                    | 44.133            |                    |          |
| 18,900.0              | 12,650.0              | 17,640.1              | 11,048.5              | 129.5            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 6,142.8                | 6,006.1                 | 136.75                    | 44.920            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design         |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 0-    |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
| Reference             |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   | Warning            |          |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 19,000.0              | 12,650.0              | 17,640.1              | 11,048.5              | 131.1            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 6,228.8                | 6,092.5                 | 136.26                    | 45.712            |                    |          |
| 19,100.0              | 12,650.0              | 17,640.1              | 11,048.5              | 132.6            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 6,315.2                | 6,179.4                 | 135.79                    | 46.508            |                    |          |
| 19,200.0              | 12,650.0              | 17,640.1              | 11,048.5              | 134.2            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 6,401.9                | 6,266.6                 | 135.32                    | 47.308            |                    |          |
| 19,300.0              | 12,650.0              | 17,640.1              | 11,048.5              | 135.8            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 6,489.1                | 6,354.2                 | 134.88                    | 48.112            |                    |          |
| 19,400.0              | 12,650.0              | 17,640.1              | 11,048.5              | 137.3            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 6,576.6                | 6,442.2                 | 134.44                    | 48.919            |                    |          |
| 19,500.0              | 12,650.0              | 17,640.1              | 11,048.5              | 138.9            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 6,664.5                | 6,530.5                 | 134.02                    | 49.729            |                    |          |
| 19,600.0              | 12,650.0              | 17,640.1              | 11,048.5              | 140.5            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 6,752.7                | 6,619.1                 | 133.60                    | 50.543            |                    |          |
| 19,700.0              | 12,650.0              | 17,640.1              | 11,048.5              | 142.1            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 6,841.3                | 6,708.1                 | 133.20                    | 51.360            |                    |          |
| 19,800.0              | 12,650.0              | 17,640.1              | 11,048.5              | 143.6            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 6,930.1                | 6,797.3                 | 132.81                    | 52.179            |                    |          |
| 19,900.0              | 12,650.0              | 17,640.1              | 11,048.5              | 145.2            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 7,019.3                | 6,886.8                 | 132.44                    | 53.001            |                    |          |
| 20,000.0              | 12,650.0              | 17,640.1              | 11,048.5              | 146.8            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 7,108.7                | 6,976.6                 | 132.07                    | 53.825            |                    |          |
| 20,100.0              | 12,650.0              | 17,640.1              | 11,048.5              | 148.4            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 7,198.4                | 7,066.7                 | 131.72                    | 54.651            |                    |          |
| 20,200.0              | 12,650.0              | 17,640.1              | 11,048.5              | 150.0            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 7,288.4                | 7,157.0                 | 131.37                    | 55.479            |                    |          |
| 20,300.0              | 12,650.0              | 17,640.1              | 11,048.5              | 151.6            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 7,378.6                | 7,247.6                 | 131.04                    | 56.310            |                    |          |
| 20,400.0              | 12,650.0              | 17,640.1              | 11,048.5              | 153.2            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 7,469.1                | 7,338.4                 | 130.71                    | 57.142            |                    |          |
| 20,500.0              | 12,650.0              | 17,640.1              | 11,048.5              | 154.7            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 7,559.9                | 7,429.5                 | 130.40                    | 57.975            |                    |          |
| 20,600.0              | 12,650.0              | 17,640.1              | 11,048.5              | 156.3            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 7,650.8                | 7,520.7                 | 130.09                    | 58.810            |                    |          |
| 20,700.0              | 12,650.0              | 17,640.1              | 11,048.5              | 157.9            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 7,742.0                | 7,612.2                 | 129.80                    | 59.646            |                    |          |
| 20,800.0              | 12,650.0              | 17,640.1              | 11,048.5              | 159.5            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 7,833.4                | 7,703.9                 | 129.51                    | 60.484            |                    |          |
| 20,900.0              | 12,650.0              | 17,640.1              | 11,048.5              | 161.1            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 7,925.0                | 7,795.8                 | 129.24                    | 61.322            |                    |          |
| 21,000.0              | 12,650.0              | 17,640.1              | 11,048.5              | 162.7            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 8,016.8                | 7,887.9                 | 128.97                    | 62.162            |                    |          |
| 21,100.0              | 12,650.0              | 17,640.1              | 11,048.5              | 164.3            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 8,108.8                | 7,980.1                 | 128.71                    | 63.002            |                    |          |
| 21,200.0              | 12,650.0              | 17,640.1              | 11,048.5              | 165.9            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 8,201.0                | 8,072.6                 | 128.46                    | 63.843            |                    |          |
| 21,300.0              | 12,650.0              | 17,640.1              | 11,048.5              | 167.5            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 8,293.4                | 8,165.2                 | 128.21                    | 64.685            |                    |          |
| 21,400.0              | 12,650.0              | 17,640.1              | 11,048.5              | 169.1            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 8,385.9                | 8,258.0                 | 127.98                    | 65.527            |                    |          |
| 21,500.0              | 12,650.0              | 17,640.1              | 11,048.5              | 170.7            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 8,478.6                | 8,350.9                 | 127.75                    | 66.369            |                    |          |
| 21,600.0              | 12,650.0              | 17,640.1              | 11,048.5              | 172.3            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 8,571.5                | 8,444.0                 | 127.53                    | 67.212            |                    |          |
| 21,700.0              | 12,650.0              | 17,640.1              | 11,048.5              | 173.9            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 8,664.6                | 8,537.2                 | 127.32                    | 68.055            |                    |          |
| 21,800.0              | 12,650.0              | 17,640.1              | 11,048.5              | 175.5            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 8,757.8                | 8,630.6                 | 127.11                    | 68.898            |                    |          |
| 21,900.0              | 12,650.0              | 17,640.1              | 11,048.5              | 177.1            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 8,851.1                | 8,724.2                 | 126.91                    | 69.742            |                    |          |
| 22,000.0              | 12,650.0              | 17,640.1              | 11,048.5              | 178.7            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 8,944.6                | 8,817.9                 | 126.72                    | 70.585            |                    |          |
| 22,100.0              | 12,650.0              | 17,640.1              | 11,048.5              | 180.3            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 9,038.2                | 8,911.7                 | 126.54                    | 71.428            |                    |          |
| 22,200.0              | 12,650.0              | 17,640.1              | 11,048.5              | 182.0            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 9,132.0                | 9,005.6                 | 126.36                    | 72.271            |                    |          |
| 22,300.0              | 12,650.0              | 17,640.1              | 11,048.5              | 183.6            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 9,225.8                | 9,099.7                 | 126.18                    | 73.114            |                    |          |
| 22,400.0              | 12,650.0              | 17,640.1              | 11,048.5              | 185.2            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 9,319.9                | 9,193.8                 | 126.02                    | 73.957            |                    |          |
| 22,500.0              | 12,650.0              | 17,640.1              | 11,048.5              | 186.8            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 9,414.0                | 9,288.1                 | 125.86                    | 74.799            |                    |          |
| 22,600.0              | 12,650.0              | 17,640.1              | 11,048.5              | 188.4            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 9,508.3                | 9,382.6                 | 125.70                    | 75.640            |                    |          |
| 22,700.0              | 12,650.0              | 17,640.1              | 11,048.5              | 190.0            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 9,602.6                | 9,477.1                 | 125.55                    | 76.482            |                    |          |
| 22,800.0              | 12,650.0              | 17,640.1              | 11,048.5              | 191.6            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 9,697.1                | 9,571.7                 | 125.41                    | 77.322            |                    |          |
| 22,884.1              | 12,650.0              | 17,640.1              | 11,048.5              | 193.0            | 118.9         | -61.63                | -2,074.1                            | 2,814.7      | 9,776.7                | 9,651.4                 | 125.30                    | 78.029            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design         |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-    |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference             |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 0.0                   | 0.0                   | 0.0                   | 0.0                   | 0.0              | 0.0           | 31.07                 | 4,730.9                             | 2,850.7      | 5,524.3                |                         |                           |                    |          |
| 100.0                 | 100.0                 | 0.0                   | 0.0                   | 0.1              | 0.0           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,523.3                 | 0.13                      | N/A                |          |
| 200.0                 | 200.0                 | 100.0                 | 100.0                 | 0.5              | 0.1           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,522.8                 | 0.61                      | 8,984.365          |          |
| 300.0                 | 300.0                 | 200.0                 | 200.0                 | 0.8              | 0.5           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,522.1                 | 1.33                      | 4,147.561          |          |
| 400.0                 | 400.0                 | 300.0                 | 300.0                 | 1.2              | 0.8           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,521.4                 | 2.05                      | 2,696.097          |          |
| 500.0                 | 500.0                 | 400.0                 | 400.0                 | 1.6              | 1.2           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,520.6                 | 2.77                      | 1,997.173          |          |
| 600.0                 | 600.0                 | 500.0                 | 500.0                 | 1.9              | 1.6           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,519.9                 | 3.48                      | 1,586.021          |          |
| 700.0                 | 700.0                 | 600.0                 | 600.0                 | 2.3              | 1.9           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,519.2                 | 4.20                      | 1,315.253          |          |
| 800.0                 | 800.0                 | 700.0                 | 700.0                 | 2.6              | 2.3           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,518.5                 | 4.92                      | 1,123.456          |          |
| 900.0                 | 900.0                 | 800.0                 | 800.0                 | 3.0              | 2.6           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,517.8                 | 5.63                      | 980.477            |          |
| 1,000.0               | 1,000.0               | 900.0                 | 900.0                 | 3.4              | 3.0           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,517.0                 | 6.35                      | 869.782            |          |
| 1,100.0               | 1,100.0               | 1,000.0               | 1,000.0               | 3.7              | 3.4           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,516.3                 | 7.07                      | 781.547            |          |
| 1,200.0               | 1,200.0               | 1,100.0               | 1,100.0               | 4.1              | 3.7           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,515.6                 | 7.78                      | 709.565            |          |
| 1,300.0               | 1,300.0               | 1,200.0               | 1,200.0               | 4.4              | 4.1           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,514.9                 | 8.50                      | 649.724            |          |
| 1,400.0               | 1,400.0               | 1,300.0               | 1,300.0               | 4.8              | 4.4           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,514.2                 | 9.22                      | 599.191            |          |
| 1,500.0               | 1,500.0               | 1,400.0               | 1,400.0               | 5.1              | 4.8           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,513.5                 | 9.94                      | 555.951            |          |
| 1,600.0               | 1,600.0               | 1,500.0               | 1,500.0               | 5.5              | 5.1           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,512.7                 | 10.65                     | 518.533            |          |
| 1,700.0               | 1,700.0               | 1,600.0               | 1,600.0               | 5.9              | 5.5           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,512.0                 | 11.37                     | 485.833            |          |
| 1,800.0               | 1,800.0               | 1,700.0               | 1,700.0               | 6.2              | 5.9           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,511.3                 | 12.09                     | 457.013            |          |
| 1,900.0               | 1,900.0               | 1,800.0               | 1,800.0               | 6.6              | 6.2           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,510.6                 | 12.80                     | 431.421            |          |
| 2,000.0               | 2,000.0               | 1,900.0               | 1,900.0               | 6.9              | 6.6           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,509.9                 | 13.52                     | 408.543            |          |
| 2,100.0               | 2,100.0               | 2,000.0               | 2,000.0               | 7.3              | 6.9           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,509.2                 | 14.24                     | 387.969            |          |
| 2,200.0               | 2,200.0               | 2,062.8               | 2,062.8               | 7.7              | 7.2           | 31.07                 | 4,731.0                             | 2,851.0      | 5,523.7                | 5,508.9                 | 14.82                     | 372.846            |          |
| 2,300.0               | 2,300.0               | 2,125.6               | 2,125.5               | 8.0              | 7.4           | 31.08                 | 4,731.1                             | 2,852.0      | 5,524.7                | 5,509.4                 | 15.39                     | 358.957            |          |
| 2,400.0               | 2,400.0               | 2,200.0               | 2,200.0               | 8.4              | 7.6           | 31.10                 | 4,731.3                             | 2,854.1      | 5,526.5                | 5,510.4                 | 16.00                     | 345.299            |          |
| 2,500.0               | 2,500.0               | 2,251.0               | 2,250.9               | 8.7              | 7.8           | 31.12                 | 4,731.6                             | 2,856.1      | 5,528.8                | 5,512.3                 | 16.54                     | 334.334            |          |
| 2,600.0               | 2,600.0               | 2,330.7               | 2,330.5               | 9.1              | 8.1           | 31.15                 | 4,732.0                             | 2,860.0      | 5,531.8                | 5,514.6                 | 17.17                     | 322.176            |          |
| 2,700.0               | 2,700.0               | 2,430.6               | 2,430.3               | 9.4              | 8.4           | 31.19                 | 4,732.6                             | 2,864.9      | 5,534.8                | 5,516.9                 | 17.88                     | 309.621            |          |
| 2,800.0               | 2,800.0               | 2,530.5               | 2,530.0               | 9.8              | 8.8           | 31.23                 | 4,733.2                             | 2,869.8      | 5,537.9                | 5,519.3                 | 18.58                     | 297.999            |          |
| 2,900.0               | 2,900.0               | 2,630.3               | 2,629.8               | 10.2             | 9.1           | 31.27                 | 4,733.8                             | 2,874.7      | 5,541.0                | 5,521.7                 | 19.29                     | 287.212            |          |
| 3,000.0               | 3,000.0               | 2,730.2               | 2,729.5               | 10.5             | 9.5           | 31.31                 | 4,734.4                             | 2,879.7      | 5,544.0                | 5,524.0                 | 20.00                     | 277.174            |          |
| 3,100.0               | 3,100.0               | 2,830.1               | 2,829.3               | 10.9             | 9.8           | 31.35                 | 4,735.0                             | 2,884.6      | 5,547.1                | 5,526.4                 | 20.71                     | 267.813            |          |
| 3,200.0               | 3,200.0               | 2,930.0               | 2,929.0               | 11.2             | 10.2          | 31.39                 | 4,735.6                             | 2,889.5      | 5,550.2                | 5,528.8                 | 21.42                     | 259.062            |          |
| 3,300.0               | 3,300.0               | 3,029.8               | 3,028.8               | 11.6             | 10.6          | 31.43                 | 4,736.2                             | 2,894.5      | 5,553.3                | 5,531.1                 | 22.14                     | 250.866            |          |
| 3,400.0               | 3,400.0               | 3,129.7               | 3,128.6               | 12.0             | 10.9          | 31.47                 | 4,736.8                             | 2,899.4      | 5,556.4                | 5,533.5                 | 22.85                     | 243.173            |          |
| 3,500.0               | 3,500.0               | 3,229.6               | 3,228.3               | 12.3             | 11.3          | 31.51                 | 4,737.4                             | 2,904.3      | 5,559.4                | 5,535.9                 | 23.56                     | 235.940            |          |
| 3,600.0               | 3,600.0               | 3,329.5               | 3,328.1               | 12.7             | 11.6          | 31.55                 | 4,738.0                             | 2,909.2      | 5,562.5                | 5,538.3                 | 24.28                     | 229.127            |          |
| 3,700.0               | 3,700.0               | 3,429.3               | 3,427.8               | 13.0             | 12.0          | 31.59                 | 4,738.6                             | 2,914.2      | 5,565.6                | 5,540.6                 | 24.99                     | 222.699            |          |
| 3,800.0               | 3,800.0               | 3,529.2               | 3,527.6               | 13.4             | 12.3          | 31.63                 | 4,739.2                             | 2,919.1      | 5,568.7                | 5,543.0                 | 25.71                     | 216.624            |          |
| 3,900.0               | 3,900.0               | 3,629.2               | 3,627.4               | 13.7             | 12.7          | -58.31                | 4,739.8                             | 2,924.0      | 5,570.9                | 5,544.5                 | 26.41                     | 210.909            |          |
| 4,000.0               | 3,999.8               | 3,729.2               | 3,727.3               | 14.1             | 13.1          | -58.31                | 4,740.4                             | 2,929.0      | 5,571.2                | 5,544.1                 | 27.11                     | 205.476            |          |
| 4,100.0               | 4,099.6               | 3,829.1               | 3,827.1               | 14.4             | 13.4          | -58.33                | 4,741.0                             | 2,933.9      | 5,570.7                | 5,542.9                 | 27.82                     | 200.270            |          |
| 4,200.0               | 4,199.4               | 3,929.1               | 3,927.0               | 14.8             | 13.8          | -58.35                | 4,741.5                             | 2,938.8      | 5,570.1                | 5,541.6                 | 28.52                     | 195.308            |          |
| 4,300.0               | 4,299.1               | 4,029.1               | 4,026.8               | 15.1             | 14.1          | -58.37                | 4,742.1                             | 2,943.8      | 5,569.5                | 5,540.3                 | 29.23                     | 190.574            |          |
| 4,400.0               | 4,398.9               | 4,129.1               | 4,126.7               | 15.5             | 14.5          | -58.39                | 4,742.7                             | 2,948.7      | 5,569.0                | 5,539.0                 | 29.93                     | 186.054            |          |
| 4,500.0               | 4,498.6               | 4,229.0               | 4,226.5               | 15.8             | 14.9          | -58.41                | 4,743.3                             | 2,953.6      | 5,568.4                | 5,537.8                 | 30.64                     | 181.735            |          |
| 4,541.2               | 4,539.7               | 4,270.2               | 4,267.6               | 16.0             | 15.0          | -58.42                | 4,743.6                             | 2,955.7      | 5,568.3                | 5,537.4                 | 30.93                     | 180.017            |          |
| 4,600.0               | 4,598.5               | 4,329.0               | 4,326.4               | 16.2             | 15.2          | -58.42                | 4,743.9                             | 2,958.6      | 5,568.5                | 5,537.2                 | 31.35                     | 177.630            |          |
| 4,700.0               | 4,698.4               | 4,429.0               | 4,426.2               | 16.5             | 15.6          | -58.43                | 4,744.5                             | 2,963.5      | 5,570.0                | 5,538.0                 | 32.06                     | 173.754            |          |
| 4,766.7               | 4,765.1               | 4,495.6               | 4,492.8               | 16.8             | 15.8          | 31.57                 | 4,744.9                             | 2,966.8      | 5,571.8                | 5,539.3                 | 32.53                     | 171.272            |          |
| 4,800.0               | 4,798.4               | 4,528.9               | 4,526.0               | 16.9             | 15.9          | 31.58                 | 4,745.1                             | 2,968.4      | 5,572.8                | 5,540.0                 | 32.77                     | 170.054            |          |
| 4,900.0               | 4,898.4               | 4,628.8               | 4,625.8               | 17.2             | 16.3          | 31.62                 | 4,745.7                             | 2,973.4      | 5,575.9                | 5,542.4                 | 33.49                     | 166.503            |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design               |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: |  |
|-----------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|--|
| Survey Program: 0-Reference |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: |  |
| Offset                      |                       |                       |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   | Warning            |  |
| Measured Depth (usft)       | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |  |
| 5,000.0                     | 4,998.4               | 4,728.7               | 4,725.5               | 17.6             | 16.7          | 31.66                 | 4,746.3                             | 2,978.3      | 5,579.0                | 5,544.8                 | 34.21                     | 163.101           |                    |  |
| 5,100.0                     | 5,098.4               | 4,828.5               | 4,825.3               | 17.9             | 17.0          | 31.70                 | 4,746.9                             | 2,983.2      | 5,582.1                | 5,547.2                 | 34.92                     | 159.837           |                    |  |
| 5,200.0                     | 5,198.4               | 4,928.4               | 4,925.0               | 18.3             | 17.4          | 31.74                 | 4,747.5                             | 2,988.1      | 5,585.2                | 5,549.6                 | 35.64                     | 156.704           |                    |  |
| 5,300.0                     | 5,298.4               | 5,028.3               | 5,024.8               | 18.7             | 17.8          | 31.78                 | 4,748.1                             | 2,993.1      | 5,588.3                | 5,552.0                 | 36.36                     | 153.694           |                    |  |
| 5,400.0                     | 5,398.4               | 5,128.2               | 5,124.5               | 19.0             | 18.1          | 31.82                 | 4,748.7                             | 2,998.0      | 5,591.4                | 5,554.3                 | 37.08                     | 150.801           |                    |  |
| 5,500.0                     | 5,498.4               | 5,228.0               | 5,224.3               | 19.4             | 18.5          | 31.86                 | 4,749.3                             | 3,002.9      | 5,594.5                | 5,556.7                 | 37.80                     | 148.016           |                    |  |
| 5,600.0                     | 5,598.4               | 5,327.9               | 5,324.0               | 19.7             | 18.8          | 31.90                 | 4,749.9                             | 3,007.9      | 5,597.6                | 5,559.1                 | 38.52                     | 145.335           |                    |  |
| 5,700.0                     | 5,698.4               | 5,427.8               | 5,423.8               | 20.1             | 19.2          | 31.94                 | 4,750.5                             | 3,012.8      | 5,600.8                | 5,561.5                 | 39.23                     | 142.752           |                    |  |
| 5,766.7                     | 5,765.1               | 5,505.6               | 5,490.3               | 20.3             | 19.5          | 31.97                 | 4,750.9                             | 3,016.1      | 5,602.8                | 5,563.1                 | 39.75                     | 140.937           |                    |  |
| 5,800.0                     | 5,798.4               | 5,527.7               | 5,523.5               | 20.4             | 19.6          | -146.33               | 4,751.0                             | 3,017.7      | 5,604.0                | 5,564.1                 | 39.95                     | 140.284           |                    |  |
| 5,900.0                     | 5,898.4               | 5,627.5               | 5,623.2               | 20.8             | 19.9          | -146.25               | 4,751.6                             | 3,022.6      | 5,609.6                | 5,568.9                 | 40.64                     | 138.045           |                    |  |
| 6,000.0                     | 5,998.1               | 5,727.1               | 5,722.8               | 21.1             | 20.3          | -146.15               | 4,752.2                             | 3,027.6      | 5,618.0                | 5,576.7                 | 41.32                     | 135.950           |                    |  |
| 6,100.0                     | 6,097.7               | 5,826.5               | 5,822.0               | 21.4             | 20.7          | -146.04               | 4,752.8                             | 3,032.5      | 5,629.3                | 5,587.3                 | 42.01                     | 133.993           |                    |  |
| 6,200.0                     | 6,196.8               | 5,925.4               | 5,920.8               | 21.8             | 21.0          | -145.91               | 4,753.4                             | 3,037.3      | 5,643.5                | 5,600.8                 | 42.70                     | 132.171           |                    |  |
| 6,229.5                     | 6,225.9               | 5,954.4               | 5,949.8               | 21.8             | 21.1          | -145.88               | 4,753.6                             | 3,038.8      | 5,648.3                | 5,605.4                 | 42.90                     | 131.657           |                    |  |
| 6,300.0                     | 6,295.5               | 6,023.9               | 6,019.2               | 22.1             | 21.4          | -145.91               | 4,754.0                             | 3,042.2      | 5,659.9                | 5,616.5                 | 43.38                     | 130.457           |                    |  |
| 6,400.0                     | 6,394.2               | 6,122.4               | 6,117.6               | 22.4             | 21.7          | -145.96               | 4,754.6                             | 3,047.1      | 5,676.3                | 5,632.3                 | 44.07                     | 128.797           |                    |  |
| 6,500.0                     | 6,492.9               | 6,220.9               | 6,215.9               | 22.7             | 22.1          | -146.02               | 4,755.2                             | 3,051.9      | 5,692.8                | 5,648.1                 | 44.76                     | 127.181           |                    |  |
| 6,600.0                     | 6,591.6               | 6,319.4               | 6,314.3               | 23.1             | 22.4          | -146.07               | 4,755.8                             | 3,056.8      | 5,709.3                | 5,663.8                 | 45.45                     | 125.609           |                    |  |
| 6,700.0                     | 6,690.3               | 15,862.5              | 11,205.5              | 23.4             | 89.6          | -101.39               | -107.1                              | 3,302.7      | 5,643.7                | 5,570.0                 | 73.71                     | 76.570            |                    |  |
| 6,800.0                     | 6,789.0               | 15,878.6              | 11,205.5              | 23.8             | 89.8          | -101.13               | -123.1                              | 3,302.8      | 5,563.0                | 5,488.3                 | 74.78                     | 74.390            |                    |  |
| 6,900.0                     | 6,887.7               | 15,894.6              | 11,205.5              | 24.1             | 90.1          | -100.86               | -139.2                              | 3,302.8      | 5,483.0                | 5,407.1                 | 75.89                     | 72.252            |                    |  |
| 7,000.0                     | 6,986.4               | 15,910.7              | 11,205.4              | 24.5             | 90.3          | -100.59               | -155.3                              | 3,302.9      | 5,403.5                | 5,326.5                 | 77.02                     | 70.156            |                    |  |
| 7,100.0                     | 7,085.1               | 15,926.8              | 11,205.4              | 24.8             | 90.5          | -100.32               | -171.3                              | 3,302.9      | 5,324.6                | 5,246.5                 | 78.18                     | 68.104            |                    |  |
| 7,200.0                     | 7,183.8               | 15,942.8              | 11,205.4              | 25.2             | 90.8          | -100.05               | -187.4                              | 3,303.0      | 5,246.5                | 5,167.1                 | 79.38                     | 66.095            |                    |  |
| 7,300.0                     | 7,282.5               | 15,958.9              | 11,205.4              | 25.6             | 91.0          | -99.78                | -203.5                              | 3,303.0      | 5,169.0                | 5,088.4                 | 80.60                     | 64.129            |                    |  |
| 7,400.0                     | 7,381.2               | 15,975.0              | 11,205.4              | 25.9             | 91.3          | -99.51                | -219.6                              | 3,303.1      | 5,092.3                | 5,010.5                 | 81.86                     | 62.209            |                    |  |
| 7,500.0                     | 7,479.8               | 15,991.1              | 11,205.4              | 26.3             | 91.5          | -99.24                | -235.6                              | 3,303.1      | 5,016.4                | 4,933.2                 | 83.15                     | 60.332            |                    |  |
| 7,600.0                     | 7,578.5               | 16,007.1              | 11,205.3              | 26.7             | 91.7          | -98.96                | -251.7                              | 3,303.2      | 4,941.2                | 4,856.8                 | 84.47                     | 58.500            |                    |  |
| 7,700.0                     | 7,677.2               | 16,023.2              | 11,205.3              | 27.0             | 92.0          | -98.69                | -267.8                              | 3,303.2      | 4,866.9                | 4,781.1                 | 85.82                     | 56.713            |                    |  |
| 7,800.0                     | 7,775.9               | 16,039.3              | 11,205.3              | 27.4             | 92.2          | -98.42                | -283.9                              | 3,303.3      | 4,793.5                | 4,706.3                 | 87.20                     | 54.970            |                    |  |
| 7,900.0                     | 7,874.6               | 16,055.3              | 11,205.3              | 27.8             | 92.4          | -98.15                | -299.9                              | 3,303.3      | 4,721.0                | 4,632.4                 | 88.62                     | 53.273            |                    |  |
| 8,000.0                     | 7,973.3               | 16,071.4              | 11,205.3              | 28.2             | 92.7          | -97.87                | -316.0                              | 3,303.4      | 4,649.5                | 4,559.4                 | 90.07                     | 51.622            |                    |  |
| 8,100.0                     | 8,072.0               | 16,087.5              | 11,205.3              | 28.6             | 92.9          | -97.60                | -332.1                              | 3,303.4      | 4,578.9                | 4,487.4                 | 91.55                     | 50.016            |                    |  |
| 8,200.0                     | 8,170.7               | 16,103.6              | 11,205.3              | 28.9             | 93.2          | -97.32                | -348.1                              | 3,303.5      | 4,509.5                | 4,416.4                 | 93.06                     | 48.456            |                    |  |
| 8,300.0                     | 8,269.4               | 16,119.6              | 11,205.2              | 29.3             | 93.4          | -97.05                | -364.2                              | 3,303.5      | 4,441.1                | 4,346.5                 | 94.61                     | 46.942            |                    |  |
| 8,400.0                     | 8,368.1               | 16,135.7              | 11,205.2              | 29.7             | 93.6          | -96.77                | -380.3                              | 3,303.5      | 4,373.9                | 4,277.7                 | 96.19                     | 45.473            |                    |  |
| 8,500.0                     | 8,466.8               | 16,151.8              | 11,205.2              | 30.1             | 93.9          | -96.50                | -396.4                              | 3,303.6      | 4,307.9                | 4,210.1                 | 97.79                     | 44.051            |                    |  |
| 8,600.0                     | 8,565.5               | 16,167.8              | 11,205.2              | 30.5             | 94.1          | -96.22                | -412.4                              | 3,303.6      | 4,243.2                | 4,143.8                 | 99.43                     | 42.675            |                    |  |
| 8,700.0                     | 8,664.2               | 16,183.9              | 11,205.2              | 30.9             | 94.4          | -95.94                | -428.5                              | 3,303.7      | 4,179.8                | 4,078.7                 | 101.09                    | 41.346            |                    |  |
| 8,800.0                     | 8,762.9               | 16,200.0              | 11,205.2              | 31.3             | 94.6          | -95.67                | -444.6                              | 3,303.7      | 4,117.8                | 4,015.0                 | 102.79                    | 40.063            |                    |  |
| 8,900.0                     | 8,861.6               | 16,216.1              | 11,205.1              | 31.7             | 94.8          | -95.39                | -460.6                              | 3,303.8      | 4,057.3                | 3,952.8                 | 104.50                    | 38.825            |                    |  |
| 9,000.0                     | 8,960.3               | 16,232.1              | 11,205.1              | 32.1             | 95.1          | -95.11                | -476.7                              | 3,303.8      | 3,998.3                | 3,892.0                 | 106.24                    | 37.635            |                    |  |
| 9,100.0                     | 9,059.0               | 16,248.2              | 11,205.1              | 32.5             | 95.3          | -94.83                | -492.8                              | 3,303.8      | 3,940.8                | 3,832.8                 | 108.00                    | 36.490            |                    |  |
| 9,200.0                     | 9,157.7               | 16,264.3              | 11,205.1              | 32.9             | 95.6          | -94.56                | -508.9                              | 3,303.9      | 3,885.1                | 3,775.3                 | 109.77                    | 35.392            |                    |  |
| 9,300.0                     | 9,256.4               | 16,280.3              | 11,205.1              | 33.3             | 95.8          | -94.28                | -524.9                              | 3,303.9      | 3,831.0                | 3,719.5                 | 111.56                    | 34.341            |                    |  |
| 9,400.0                     | 9,355.1               | 16,296.4              | 11,205.1              | 33.7             | 96.1          | -94.00                | -541.0                              | 3,304.0      | 3,778.8                | 3,665.4                 | 113.36                    | 33.335            |                    |  |
| 9,500.0                     | 9,453.8               | 16,312.5              | 11,205.0              | 34.1             | 96.3          | -93.72                | -557.1                              | 3,304.0      | 3,728.4                | 3,613.3                 | 115.16                    | 32.376            |                    |  |
| 9,600.0                     | 9,552.5               | 16,328.6              | 11,205.0              | 34.5             | 96.5          | -93.44                | -573.1                              | 3,304.1      | 3,680.0                | 3,563.1                 | 116.97                    | 31.463            |                    |  |
| 9,700.0                     | 9,651.2               | 16,344.6              | 11,205.0              | 34.9             | 96.8          | -93.16                | -589.2                              | 3,304.1      | 3,633.7                | 3,514.9                 | 118.77                    | 30.595            |                    |  |
| 9,800.0                     | 9,749.9               | 16,360.7              | 11,205.0              | 35.3             | 97.0          | -92.88                | -605.3                              | 3,304.1      | 3,589.4                | 3,468.9                 | 120.56                    | 29.774            |                    |  |
| 9,900.0                     | 9,848.6               | 16,376.8              | 11,205.0              | 35.7             | 97.3          | -92.60                | -621.4                              | 3,304.2      | 3,547.4                | 3,425.1                 | 122.33                    | 28.998            |                    |  |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design               |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|-----------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 0-Reference |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
|                             |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   |                    |          |
| Measured Depth (usft)       | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning            |          |
| 10,000.0                    | 9,947.3               | 16,392.9              | 11,205.0              | 36.1             | 97.5          | -92.32                | -637.4                              | 3,304.2      | 3,507.6                | 3,383.5                 | 124.09                    | 28.268            |                    |          |
| 10,100.0                    | 10,046.0              | 16,408.9              | 11,204.9              | 36.5             | 97.7          | -92.04                | -653.5                              | 3,304.2      | 3,470.2                | 3,344.4                 | 125.81                    | 27.583            |                    |          |
| 10,200.0                    | 10,144.7              | 16,425.0              | 11,204.9              | 36.9             | 98.0          | -91.76                | -669.6                              | 3,304.3      | 3,435.2                | 3,307.7                 | 127.50                    | 26.942            |                    |          |
| 10,300.0                    | 10,243.4              | 16,441.1              | 11,204.9              | 37.3             | 98.2          | -91.48                | -685.6                              | 3,304.3      | 3,402.7                | 3,273.6                 | 129.15                    | 26.347            |                    |          |
| 10,400.0                    | 10,342.1              | 16,457.1              | 11,204.9              | 37.7             | 98.5          | -91.20                | -701.7                              | 3,304.3      | 3,372.8                | 3,242.1                 | 130.75                    | 25.796            |                    |          |
| 10,500.0                    | 10,440.8              | 16,473.2              | 11,204.9              | 38.1             | 98.7          | -90.92                | -717.8                              | 3,304.4      | 3,345.6                | 3,213.3                 | 132.29                    | 25.289            |                    |          |
| 10,600.0                    | 10,539.5              | 16,489.3              | 11,204.9              | 38.5             | 99.0          | -90.64                | -733.9                              | 3,304.4      | 3,321.0                | 3,187.2                 | 133.77                    | 24.826            |                    |          |
| 10,700.0                    | 10,638.2              | 16,505.4              | 11,204.8              | 39.0             | 99.2          | -90.35                | -749.9                              | 3,304.5      | 3,299.2                | 3,164.0                 | 135.18                    | 24.406            |                    |          |
| 10,800.0                    | 10,736.9              | 16,521.4              | 11,204.8              | 39.4             | 99.4          | -90.07                | -766.0                              | 3,304.5      | 3,280.3                | 3,143.8                 | 136.51                    | 24.029            |                    |          |
| 10,900.0                    | 10,835.6              | 16,537.5              | 11,204.8              | 39.8             | 99.7          | -89.79                | -782.1                              | 3,304.5      | 3,264.2                | 3,126.4                 | 137.76                    | 23.695            |                    |          |
| 11,000.0                    | 10,934.3              | 16,553.6              | 11,204.8              | 40.2             | 99.9          | -89.51                | -798.1                              | 3,304.6      | 3,251.0                | 3,112.1                 | 138.92                    | 23.403            |                    |          |
| 11,100.0                    | 11,033.0              | 16,569.6              | 11,204.8              | 40.6             | 100.2         | -89.23                | -814.2                              | 3,304.6      | 3,240.8                | 3,100.9                 | 139.98                    | 23.152            |                    |          |
| 11,200.0                    | 11,131.7              | 16,585.7              | 11,204.8              | 41.0             | 100.4         | -88.95                | -830.3                              | 3,304.6      | 3,233.6                | 3,092.7                 | 140.94                    | 22.943            |                    |          |
| 11,300.0                    | 11,230.4              | 16,601.8              | 11,204.7              | 41.4             | 100.7         | -88.67                | -846.4                              | 3,304.6      | 3,229.4                | 3,087.6                 | 141.80                    | 22.774            |                    |          |
| 11,389.9                    | 11,319.1              | 16,616.2              | 11,204.7              | 41.8             | 100.9         | -88.41                | -860.8                              | 3,304.7      | 3,228.2                | 3,085.7                 | 142.49                    | 22.656            | CC                 |          |
| 11,400.0                    | 11,329.1              | 16,617.9              | 11,204.7              | 41.9             | 100.9         | -88.38                | -862.4                              | 3,304.7      | 3,228.2                | 3,085.6                 | 142.56                    | 22.645            | ES                 |          |
| 11,500.0                    | 11,427.8              | 16,633.9              | 11,204.7              | 42.3             | 101.1         | -88.10                | -878.5                              | 3,304.7      | 3,230.0                | 3,086.8                 | 143.20                    | 22.555            |                    |          |
| 11,535.3                    | 11,462.6              | 16,639.6              | 11,204.7              | 42.4             | 101.2         | -88.00                | -884.2                              | 3,304.7      | 3,231.4                | 3,088.0                 | 143.41                    | 22.533            |                    |          |
| 11,600.0                    | 11,526.5              | 16,649.5              | 11,204.7              | 42.7             | 101.4         | -87.88                | -894.0                              | 3,304.7      | 3,234.9                | 3,091.1                 | 143.73                    | 22.506            |                    |          |
| 11,700.0                    | 11,625.7              | 16,662.5              | 11,204.7              | 43.1             | 101.6         | -87.77                | -907.1                              | 3,304.8      | 3,242.8                | 3,098.7                 | 144.10                    | 22.504            |                    |          |
| 11,800.0                    | 11,725.1              | 16,673.0              | 11,204.7              | 43.5             | 101.7         | -87.75                | -917.6                              | 3,304.8      | 3,253.9                | 3,109.6                 | 144.31                    | 22.548            |                    |          |
| 11,900.0                    | 11,824.8              | 16,680.9              | 11,204.7              | 43.9             | 101.9         | -87.83                | -925.4                              | 3,304.8      | 3,268.0                | 3,123.7                 | 144.35                    | 22.639            |                    |          |
| 12,000.0                    | 11,924.7              | 16,686.1              | 11,204.7              | 44.2             | 101.9         | -88.00                | -930.7                              | 3,304.8      | 3,285.3                | 3,141.0                 | 144.24                    | 22.776            |                    |          |
| 12,100.0                    | 12,024.6              | 16,688.7              | 11,204.7              | 44.6             | 102.0         | -88.26                | -933.3                              | 3,304.8      | 3,305.5                | 3,161.5                 | 143.98                    | 22.959            |                    |          |
| 12,152.4                    | 12,077.0              | 16,689.0              | 11,204.7              | 44.7             | 102.0         | 89.88                 | -933.6                              | 3,304.8      | 3,317.3                | 3,173.5                 | 143.78                    | 23.072            |                    |          |
| 12,200.0                    | 12,124.6              | 16,690.9              | 11,204.7              | 44.9             | 102.0         | -92.84                | -935.5                              | 3,304.8      | 3,328.8                | 3,185.2                 | 143.61                    | 23.180            |                    |          |
| 12,250.0                    | 12,174.2              | 16,697.2              | 11,204.6              | 45.1             | 102.1         | -91.39                | -941.8                              | 3,304.8      | 3,341.8                | 3,198.3                 | 143.50                    | 23.287            |                    |          |
| 12,300.0                    | 12,223.0              | 16,707.8              | 11,204.6              | 45.3             | 102.3         | -89.77                | -952.4                              | 3,304.8      | 3,355.6                | 3,212.1                 | 143.47                    | 23.389            |                    |          |
| 12,350.0                    | 12,270.7              | 16,722.6              | 11,204.6              | 45.6             | 102.5         | -88.02                | -967.2                              | 3,304.9      | 3,370.0                | 3,226.5                 | 143.50                    | 23.484            |                    |          |
| 12,400.0                    | 12,317.0              | 16,741.6              | 11,204.6              | 45.8             | 102.8         | -86.16                | -986.2                              | 3,304.9      | 3,384.8                | 3,241.2                 | 143.61                    | 23.569            |                    |          |
| 12,450.0                    | 12,361.4              | 16,764.5              | 11,204.6              | 46.1             | 103.1         | -84.23                | -1,009.1                            | 3,304.9      | 3,399.9                | 3,256.1                 | 143.80                    | 23.643            |                    |          |
| 12,500.0                    | 12,403.7              | 16,791.2              | 11,204.6              | 46.4             | 103.5         | -82.26                | -1,035.8                            | 3,305.0      | 3,415.1                | 3,271.0                 | 144.07                    | 23.705            |                    |          |
| 12,550.0                    | 12,443.5              | 16,821.6              | 11,204.5              | 46.7             | 104.0         | -80.29                | -1,066.1                            | 3,305.0      | 3,430.1                | 3,285.7                 | 144.41                    | 23.752            |                    |          |
| 12,600.0                    | 12,480.5              | 16,855.3              | 11,204.5              | 47.1             | 104.5         | -78.36                | -1,099.8                            | 3,305.1      | 3,444.8                | 3,300.0                 | 144.84                    | 23.783            |                    |          |
| 12,650.0                    | 12,514.4              | 16,892.1              | 11,204.4              | 47.4             | 105.1         | -76.51                | -1,136.6                            | 3,305.1      | 3,459.0                | 3,313.6                 | 145.35                    | 23.798            |                    |          |
| 12,700.0                    | 12,545.0              | 16,931.7              | 11,204.4              | 47.8             | 105.7         | -74.76                | -1,176.3                            | 3,305.2      | 3,472.4                | 3,326.4                 | 145.94                    | 23.793            |                    |          |
| 12,750.0                    | 12,572.0              | 16,973.9              | 11,204.4              | 48.1             | 106.3         | -73.16                | -1,218.4                            | 3,305.2      | 3,484.9                | 3,338.3                 | 146.61                    | 23.770            |                    |          |
| 12,800.0                    | 12,595.3              | 17,018.2              | 11,204.3              | 48.5             | 107.0         | -71.73                | -1,262.8                            | 3,305.3      | 3,496.3                | 3,349.0                 | 147.36                    | 23.726            |                    |          |
| 12,850.0                    | 12,614.6              | 17,064.5              | 11,204.3              | 48.9             | 107.7         | -70.48                | -1,309.0                            | 3,305.3      | 3,506.5                | 3,358.3                 | 148.19                    | 23.663            |                    |          |
| 12,900.0                    | 12,629.8              | 17,112.2              | 11,204.2              | 49.3             | 108.4         | -69.43                | -1,356.8                            | 3,305.4      | 3,515.3                | 3,366.3                 | 149.09                    | 23.579            |                    |          |
| 12,950.0                    | 12,640.8              | 17,161.1              | 11,204.2              | 49.7             | 109.2         | -68.59                | -1,405.7                            | 3,305.4      | 3,522.7                | 3,372.6                 | 150.06                    | 23.476            |                    |          |
| 13,000.0                    | 12,647.6              | 17,210.8              | 11,204.1              | 50.1             | 110.0         | -67.97                | -1,455.4                            | 3,305.5      | 3,528.5                | 3,377.4                 | 151.09                    | 23.353            |                    |          |
| 13,052.4                    | 12,650.0              | 17,263.3              | 11,204.1              | 50.5             | 110.8         | -67.56                | -1,507.9                            | 3,305.5      | 3,532.8                | 3,380.5                 | 152.24                    | 23.205            |                    |          |
| 13,100.0                    | 12,650.0              | 17,311.1              | 11,204.0              | 50.9             | 111.5         | -67.59                | -1,555.7                            | 3,305.6      | 3,535.5                | 3,382.2                 | 153.31                    | 23.061            |                    |          |
| 13,200.0                    | 12,650.0              | 17,411.6              | 11,203.9              | 51.8             | 113.0         | -67.64                | -1,656.2                            | 3,305.6      | 3,538.8                | 3,383.2                 | 155.58                    | 22.745            |                    |          |
| 13,267.5                    | 12,650.0              | 17,479.5              | 11,203.9              | 52.4             | 114.1         | -67.64                | -1,724.1                            | 3,305.7      | 3,539.2                | 3,382.1                 | 157.13                    | 22.524            |                    |          |
| 13,300.0                    | 12,650.0              | 17,512.2              | 11,203.8              | 52.7             | 114.6         | -67.64                | -1,756.8                            | 3,305.7      | 3,539.0                | 3,381.2                 | 157.88                    | 22.416            |                    |          |
| 13,400.0                    | 12,650.0              | 17,612.8              | 11,203.7              | 53.6             | 116.2         | -67.64                | -1,857.4                            | 3,305.7      | 3,538.5                | 3,378.3                 | 160.21                    | 22.087            |                    |          |
| 13,500.0                    | 12,650.0              | 17,713.4              | 11,203.6              | 54.6             | 117.7         | -67.63                | -1,958.0                            | 3,305.7      | 3,538.0                | 3,375.4                 | 162.57                    | 21.763            |                    |          |
| 13,600.0                    | 12,650.0              | 17,814.0              | 11,203.5              | 55.6             | 119.3         | -67.63                | -2,058.6                            | 3,305.7      | 3,537.4                | 3,372.5                 | 164.97                    | 21.443            |                    |          |
| 13,635.1                    | 12,650.0              | 17,829.5              | 11,203.5              | 55.9             | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 3,537.3                | 3,371.7                 | 165.56                    | 21.366            |                    |          |
| 13,700.0                    | 12,650.0              | 17,829.5              | 11,203.5              | 56.6             | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 3,537.9                | 3,371.7                 | 166.24                    | 21.282            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design         |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-    |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference             |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 13,800.0              | 12,650.0              | 17,829.5              | 11,203.5              | 57.6             | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 3,541.1                | 3,373.9                 | 167.25                    | 21.173             |          |
| 13,900.0              | 12,650.0              | 17,829.5              | 11,203.5              | 58.7             | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 3,547.2                | 3,379.0                 | 168.19                    | 21.091             |          |
| 14,000.0              | 12,650.0              | 17,829.5              | 11,203.5              | 59.8             | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 3,556.1                | 3,387.0                 | 169.05                    | 21.035             |          |
| 14,100.0              | 12,650.0              | 17,829.5              | 11,203.5              | 61.0             | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 3,567.7                | 3,397.9                 | 169.84                    | 21.006             |          |
| 14,200.0              | 12,650.0              | 17,829.5              | 11,203.5              | 62.1             | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 3,582.1                | 3,411.6                 | 170.55                    | 21.003 SF          |          |
| 14,300.0              | 12,650.0              | 17,829.5              | 11,203.5              | 63.3             | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 3,599.3                | 3,428.1                 | 171.18                    | 21.026             |          |
| 14,400.0              | 12,650.0              | 17,829.5              | 11,203.5              | 64.5             | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 3,619.1                | 3,447.3                 | 171.73                    | 21.074             |          |
| 14,500.0              | 12,650.0              | 17,829.5              | 11,203.5              | 65.7             | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 3,641.5                | 3,469.3                 | 172.20                    | 21.147             |          |
| 14,600.0              | 12,650.0              | 17,829.5              | 11,203.5              | 67.0             | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 3,666.5                | 3,494.0                 | 172.59                    | 21.245             |          |
| 14,700.0              | 12,650.0              | 17,829.5              | 11,203.5              | 68.2             | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 3,694.1                | 3,521.2                 | 172.89                    | 21.367             |          |
| 14,800.0              | 12,650.0              | 17,829.5              | 11,203.5              | 69.5             | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 3,724.2                | 3,551.1                 | 173.12                    | 21.512             |          |
| 14,900.0              | 12,650.0              | 17,829.5              | 11,203.5              | 70.8             | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 3,756.7                | 3,583.4                 | 173.27                    | 21.680             |          |
| 15,000.0              | 12,650.0              | 17,829.5              | 11,203.5              | 72.1             | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 3,791.5                | 3,618.2                 | 173.36                    | 21.871             |          |
| 15,100.0              | 12,650.0              | 17,829.5              | 11,203.5              | 73.4             | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 3,828.6                | 3,655.3                 | 173.37                    | 22.084             |          |
| 15,200.0              | 12,650.0              | 17,829.5              | 11,203.5              | 74.8             | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 3,868.0                | 3,694.7                 | 173.31                    | 22.318             |          |
| 15,300.0              | 12,650.0              | 17,829.5              | 11,203.5              | 76.1             | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 3,909.5                | 3,736.3                 | 173.19                    | 22.573             |          |
| 15,400.0              | 12,650.0              | 17,829.5              | 11,203.5              | 77.5             | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 3,953.2                | 3,780.1                 | 173.01                    | 22.849             |          |
| 15,500.0              | 12,650.0              | 17,829.5              | 11,203.5              | 78.8             | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 3,998.8                | 3,826.0                 | 172.78                    | 23.144             |          |
| 15,600.0              | 12,650.0              | 17,829.5              | 11,203.5              | 80.2             | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 4,046.4                | 3,873.9                 | 172.50                    | 23.457             |          |
| 15,700.0              | 12,650.0              | 17,829.5              | 11,203.5              | 81.6             | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 4,095.9                | 3,923.7                 | 172.17                    | 23.790             |          |
| 15,800.0              | 12,650.0              | 17,829.5              | 11,203.5              | 83.0             | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 4,147.2                | 3,975.4                 | 171.80                    | 24.140             |          |
| 15,900.0              | 12,650.0              | 17,829.5              | 11,203.5              | 84.4             | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 4,200.3                | 4,028.9                 | 171.39                    | 24.507             |          |
| 16,000.0              | 12,650.0              | 17,829.5              | 11,203.5              | 85.9             | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 4,255.0                | 4,084.1                 | 170.94                    | 24.892             |          |
| 16,100.0              | 12,650.0              | 17,829.5              | 11,203.5              | 87.3             | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 4,311.4                | 4,141.0                 | 170.47                    | 25.292             |          |
| 16,200.0              | 12,650.0              | 17,829.5              | 11,203.5              | 88.7             | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 4,369.4                | 4,199.4                 | 169.96                    | 25.708             |          |
| 16,300.0              | 12,650.0              | 17,829.5              | 11,203.5              | 90.2             | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 4,428.8                | 4,259.4                 | 169.43                    | 26.139             |          |
| 16,400.0              | 12,650.0              | 17,829.5              | 11,203.5              | 91.6             | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 4,489.7                | 4,320.8                 | 168.88                    | 26.585             |          |
| 16,500.0              | 12,650.0              | 17,829.5              | 11,203.5              | 93.1             | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 4,552.0                | 4,383.6                 | 168.31                    | 27.045             |          |
| 16,600.0              | 12,650.0              | 17,829.5              | 11,203.5              | 94.5             | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 4,615.5                | 4,447.8                 | 167.73                    | 27.518             |          |
| 16,700.0              | 12,650.0              | 17,829.5              | 11,203.5              | 96.0             | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 4,680.4                | 4,513.3                 | 167.13                    | 28.004             |          |
| 16,800.0              | 12,650.0              | 17,829.5              | 11,203.5              | 97.5             | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 4,746.5                | 4,580.0                 | 166.52                    | 28.503             |          |
| 16,900.0              | 12,650.0              | 17,829.5              | 11,203.5              | 99.0             | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 4,813.8                | 4,647.8                 | 165.91                    | 29.015             |          |
| 17,000.0              | 12,650.0              | 17,829.5              | 11,203.5              | 100.5            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 4,882.1                | 4,716.8                 | 165.29                    | 29.538             |          |
| 17,100.0              | 12,650.0              | 17,829.5              | 11,203.5              | 101.9            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 4,951.6                | 4,786.9                 | 164.66                    | 30.072             |          |
| 17,200.0              | 12,650.0              | 17,829.5              | 11,203.5              | 103.4            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 5,022.1                | 4,858.0                 | 164.03                    | 30.617             |          |
| 17,300.0              | 12,650.0              | 17,829.5              | 11,203.5              | 104.9            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 5,093.5                | 4,930.1                 | 163.40                    | 31.173             |          |
| 17,400.0              | 12,650.0              | 17,829.5              | 11,203.5              | 106.5            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 5,166.0                | 5,003.2                 | 162.77                    | 31.738             |          |
| 17,500.0              | 12,650.0              | 17,829.5              | 11,203.5              | 108.0            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 5,239.3                | 5,077.1                 | 162.14                    | 32.313             |          |
| 17,600.0              | 12,650.0              | 17,829.5              | 11,203.5              | 109.5            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 5,313.5                | 5,152.0                 | 161.51                    | 32.898             |          |
| 17,700.0              | 12,650.0              | 17,829.5              | 11,203.5              | 111.0            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 5,388.5                | 5,227.6                 | 160.89                    | 33.492             |          |
| 17,800.0              | 12,650.0              | 17,829.5              | 11,203.5              | 112.5            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 5,464.3                | 5,304.1                 | 160.27                    | 34.094             |          |
| 17,900.0              | 12,650.0              | 17,829.5              | 11,203.5              | 114.1            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 5,540.9                | 5,381.3                 | 159.66                    | 34.704             |          |
| 18,000.0              | 12,650.0              | 17,829.5              | 11,203.5              | 115.6            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 5,618.3                | 5,459.2                 | 159.06                    | 35.323             |          |
| 18,100.0              | 12,650.0              | 17,829.5              | 11,203.5              | 117.1            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 5,696.3                | 5,537.9                 | 158.46                    | 35.949             |          |
| 18,200.0              | 12,650.0              | 17,829.5              | 11,203.5              | 118.7            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 5,775.0                | 5,617.2                 | 157.87                    | 36.582             |          |
| 18,300.0              | 12,650.0              | 17,829.5              | 11,203.5              | 120.2            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 5,854.4                | 5,697.1                 | 157.28                    | 37.222             |          |
| 18,400.0              | 12,650.0              | 17,829.5              | 11,203.5              | 121.8            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 5,934.4                | 5,777.7                 | 156.71                    | 37.869             |          |
| 18,500.0              | 12,650.0              | 17,829.5              | 11,203.5              | 123.3            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 6,015.0                | 5,858.8                 | 156.14                    | 38.523             |          |
| 18,600.0              | 12,650.0              | 17,829.5              | 11,203.5              | 124.9            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 6,096.1                | 5,940.6                 | 155.58                    | 39.183             |          |
| 18,700.0              | 12,650.0              | 17,829.5              | 11,203.5              | 126.4            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 6,177.9                | 6,022.8                 | 155.03                    | 39.849             |          |
| 18,800.0              | 12,650.0              | 17,829.5              | 11,203.5              | 128.0            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 6,260.1                | 6,105.6                 | 154.49                    | 40.520             |          |
| 18,900.0              | 12,650.0              | 17,829.5              | 11,203.5              | 129.5            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 6,342.9                | 6,188.9                 | 153.96                    | 41.197             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design         |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 0-    |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
| Reference             |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   | Warning            |          |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 19,000.0              | 12,650.0              | 17,829.5              | 11,203.5              | 131.1            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 6,426.1                | 6,272.7                 | 153.45                    | 41.879            |                    |          |
| 19,100.0              | 12,650.0              | 17,829.5              | 11,203.5              | 132.6            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 6,509.8                | 6,356.9                 | 152.94                    | 42.566            |                    |          |
| 19,200.0              | 12,650.0              | 17,829.5              | 11,203.5              | 134.2            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 6,594.0                | 6,441.6                 | 152.43                    | 43.258            |                    |          |
| 19,300.0              | 12,650.0              | 17,829.5              | 11,203.5              | 135.8            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 6,678.6                | 6,526.7                 | 151.94                    | 43.954            |                    |          |
| 19,400.0              | 12,650.0              | 17,829.5              | 11,203.5              | 137.3            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 6,763.6                | 6,612.2                 | 151.46                    | 44.655            |                    |          |
| 19,500.0              | 12,650.0              | 17,829.5              | 11,203.5              | 138.9            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 6,849.1                | 6,698.1                 | 150.99                    | 45.360            |                    |          |
| 19,600.0              | 12,650.0              | 17,829.5              | 11,203.5              | 140.5            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 6,934.9                | 6,784.4                 | 150.53                    | 46.069            |                    |          |
| 19,700.0              | 12,650.0              | 17,829.5              | 11,203.5              | 142.1            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 7,021.1                | 6,871.0                 | 150.08                    | 46.782            |                    |          |
| 19,800.0              | 12,650.0              | 17,829.5              | 11,203.5              | 143.6            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 7,107.7                | 6,958.0                 | 149.64                    | 47.498            |                    |          |
| 19,900.0              | 12,650.0              | 17,829.5              | 11,203.5              | 145.2            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 7,194.6                | 7,045.4                 | 149.21                    | 48.218            |                    |          |
| 20,000.0              | 12,650.0              | 17,829.5              | 11,203.5              | 146.8            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 7,281.8                | 7,133.0                 | 148.79                    | 48.942            |                    |          |
| 20,100.0              | 12,650.0              | 17,829.5              | 11,203.5              | 148.4            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 7,369.4                | 7,221.0                 | 148.37                    | 49.668            |                    |          |
| 20,200.0              | 12,650.0              | 17,829.5              | 11,203.5              | 150.0            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 7,457.3                | 7,309.3                 | 147.97                    | 50.397            |                    |          |
| 20,300.0              | 12,650.0              | 17,829.5              | 11,203.5              | 151.6            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 7,545.4                | 7,397.9                 | 147.58                    | 51.129            |                    |          |
| 20,400.0              | 12,650.0              | 17,829.5              | 11,203.5              | 153.2            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 7,633.9                | 7,486.7                 | 147.19                    | 51.864            |                    |          |
| 20,500.0              | 12,650.0              | 17,829.5              | 11,203.5              | 154.7            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 7,722.7                | 7,575.9                 | 146.81                    | 52.602            |                    |          |
| 20,600.0              | 12,650.0              | 17,829.5              | 11,203.5              | 156.3            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 7,811.7                | 7,665.3                 | 146.45                    | 53.342            |                    |          |
| 20,700.0              | 12,650.0              | 17,829.5              | 11,203.5              | 157.9            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 7,901.0                | 7,754.9                 | 146.09                    | 54.084            |                    |          |
| 20,800.0              | 12,650.0              | 17,829.5              | 11,203.5              | 159.5            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 7,990.5                | 7,844.8                 | 145.74                    | 54.828            |                    |          |
| 20,900.0              | 12,650.0              | 17,829.5              | 11,203.5              | 161.1            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 8,080.3                | 7,934.9                 | 145.40                    | 55.575            |                    |          |
| 21,000.0              | 12,650.0              | 17,829.5              | 11,203.5              | 162.7            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 8,170.3                | 8,025.3                 | 145.06                    | 56.323            |                    |          |
| 21,100.0              | 12,650.0              | 17,829.5              | 11,203.5              | 164.3            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 8,260.6                | 8,115.9                 | 144.74                    | 57.073            |                    |          |
| 21,200.0              | 12,650.0              | 17,829.5              | 11,203.5              | 165.9            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 8,351.1                | 8,206.7                 | 144.42                    | 57.825            |                    |          |
| 21,300.0              | 12,650.0              | 17,829.5              | 11,203.5              | 167.5            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 8,441.8                | 8,297.7                 | 144.11                    | 58.578            |                    |          |
| 21,400.0              | 12,650.0              | 17,829.5              | 11,203.5              | 169.1            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 8,532.7                | 8,388.9                 | 143.81                    | 59.333            |                    |          |
| 21,500.0              | 12,650.0              | 17,829.5              | 11,203.5              | 170.7            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 8,623.8                | 8,480.3                 | 143.52                    | 60.090            |                    |          |
| 21,600.0              | 12,650.0              | 17,829.5              | 11,203.5              | 172.3            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 8,715.1                | 8,571.8                 | 143.23                    | 60.847            |                    |          |
| 21,700.0              | 12,650.0              | 17,829.5              | 11,203.5              | 173.9            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 8,806.6                | 8,663.6                 | 142.95                    | 61.606            |                    |          |
| 21,800.0              | 12,650.0              | 17,829.5              | 11,203.5              | 175.5            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 8,898.2                | 8,755.5                 | 142.68                    | 62.366            |                    |          |
| 21,900.0              | 12,650.0              | 17,829.5              | 11,203.5              | 177.1            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 8,990.1                | 8,847.7                 | 142.41                    | 63.127            |                    |          |
| 22,000.0              | 12,650.0              | 17,829.5              | 11,203.5              | 178.7            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 9,082.1                | 8,939.9                 | 142.15                    | 63.889            |                    |          |
| 22,100.0              | 12,650.0              | 17,829.5              | 11,203.5              | 180.3            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 9,174.3                | 9,032.4                 | 141.90                    | 64.652            |                    |          |
| 22,200.0              | 12,650.0              | 17,829.5              | 11,203.5              | 182.0            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 9,266.6                | 9,125.0                 | 141.66                    | 65.416            |                    |          |
| 22,300.0              | 12,650.0              | 17,829.5              | 11,203.5              | 183.6            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 9,359.1                | 9,217.7                 | 141.42                    | 66.180            |                    |          |
| 22,400.0              | 12,650.0              | 17,829.5              | 11,203.5              | 185.2            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 9,451.8                | 9,310.6                 | 141.19                    | 66.946            |                    |          |
| 22,500.0              | 12,650.0              | 17,829.5              | 11,203.5              | 186.8            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 9,544.6                | 9,403.6                 | 140.96                    | 67.711            |                    |          |
| 22,600.0              | 12,650.0              | 17,829.5              | 11,203.5              | 188.4            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 9,637.5                | 9,496.8                 | 140.74                    | 68.477            |                    |          |
| 22,700.0              | 12,650.0              | 17,829.5              | 11,203.5              | 190.0            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 9,730.6                | 9,590.1                 | 140.53                    | 69.244            |                    |          |
| 22,800.0              | 12,650.0              | 17,829.5              | 11,203.5              | 191.6            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 9,823.9                | 9,683.5                 | 140.32                    | 70.011            |                    |          |
| 22,884.1              | 12,650.0              | 17,829.5              | 11,203.5              | 193.0            | 119.5         | -67.63                | -2,074.1                            | 3,305.7      | 9,902.4                | 9,762.2                 | 140.15                    | 70.656            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design         |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-    |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference             |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 0.0                   | 0.0                   | 0.0                   | 0.0                   | 0.0              | 0.0           | 31.07                 | 4,730.9                             | 2,850.7      | 5,524.3                |                         |                           |                    |          |
| 100.0                 | 100.0                 | 0.0                   | 0.0                   | 0.1              | 0.0           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,523.3                 | 0.13                      | N/A                |          |
| 200.0                 | 200.0                 | 100.0                 | 100.0                 | 0.5              | 0.1           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,522.8                 | 0.61                      | 8,984.365          |          |
| 300.0                 | 300.0                 | 200.0                 | 200.0                 | 0.8              | 0.5           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,522.1                 | 1.33                      | 4,147.561          |          |
| 400.0                 | 400.0                 | 300.0                 | 300.0                 | 1.2              | 0.8           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,521.4                 | 2.05                      | 2,696.097          |          |
| 500.0                 | 500.0                 | 400.0                 | 400.0                 | 1.6              | 1.2           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,520.6                 | 2.77                      | 1,997.173          |          |
| 600.0                 | 600.0                 | 500.0                 | 500.0                 | 1.9              | 1.6           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,519.9                 | 3.48                      | 1,586.021          |          |
| 700.0                 | 700.0                 | 600.0                 | 600.0                 | 2.3              | 1.9           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,519.2                 | 4.20                      | 1,315.253          |          |
| 800.0                 | 800.0                 | 700.0                 | 700.0                 | 2.6              | 2.3           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,518.5                 | 4.92                      | 1,123.456          |          |
| 900.0                 | 900.0                 | 800.0                 | 800.0                 | 3.0              | 2.6           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,517.8                 | 5.63                      | 980.477            |          |
| 1,000.0               | 1,000.0               | 900.0                 | 900.0                 | 3.4              | 3.0           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,517.0                 | 6.35                      | 869.782            |          |
| 1,100.0               | 1,100.0               | 1,000.0               | 1,000.0               | 3.7              | 3.4           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,516.3                 | 7.07                      | 781.547            |          |
| 1,200.0               | 1,200.0               | 1,100.0               | 1,100.0               | 4.1              | 3.7           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,515.6                 | 7.78                      | 709.565            |          |
| 1,300.0               | 1,300.0               | 1,200.0               | 1,200.0               | 4.4              | 4.1           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,514.9                 | 8.50                      | 649.724            |          |
| 1,400.0               | 1,400.0               | 1,300.0               | 1,300.0               | 4.8              | 4.4           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,514.2                 | 9.22                      | 599.191            |          |
| 1,500.0               | 1,500.0               | 1,400.0               | 1,400.0               | 5.1              | 4.8           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,513.5                 | 9.94                      | 555.951            |          |
| 1,600.0               | 1,600.0               | 1,500.0               | 1,500.0               | 5.5              | 5.1           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,512.7                 | 10.65                     | 518.533            |          |
| 1,700.0               | 1,700.0               | 1,600.0               | 1,600.0               | 5.9              | 5.5           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,512.0                 | 11.37                     | 485.833            |          |
| 1,800.0               | 1,800.0               | 1,700.0               | 1,700.0               | 6.2              | 5.9           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,511.3                 | 12.09                     | 457.013            |          |
| 1,900.0               | 1,900.0               | 1,800.0               | 1,800.0               | 6.6              | 6.2           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,510.6                 | 12.80                     | 431.421            |          |
| 2,000.0               | 2,000.0               | 1,900.0               | 1,900.0               | 6.9              | 6.6           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,509.9                 | 13.52                     | 408.543            |          |
| 2,100.0               | 2,100.0               | 2,000.0               | 2,000.0               | 7.3              | 6.9           | 31.07                 | 4,730.9                             | 2,850.7      | 5,523.4                | 5,509.2                 | 14.24                     | 387.969            |          |
| 2,200.0               | 2,200.0               | 2,105.0               | 2,095.0               | 7.7              | 7.3           | 31.06                 | 4,731.3                             | 2,850.1      | 5,523.5                | 5,508.5                 | 14.97                     | 369.067            |          |
| 2,300.0               | 2,300.0               | 2,205.0               | 2,195.0               | 8.0              | 7.7           | 31.05                 | 4,731.9                             | 2,849.3      | 5,523.6                | 5,507.9                 | 15.68                     | 352.347            |          |
| 2,400.0               | 2,400.0               | 2,295.0               | 2,295.0               | 8.4              | 8.0           | 31.04                 | 4,732.5                             | 2,848.6      | 5,523.6                | 5,507.3                 | 16.35                     | 337.791            |          |
| 2,500.0               | 2,500.0               | 2,405.0               | 2,395.0               | 8.7              | 8.4           | 31.03                 | 4,733.1                             | 2,847.8      | 5,523.7                | 5,506.6                 | 17.10                     | 323.044            |          |
| 2,600.0               | 2,600.0               | 2,505.0               | 2,495.0               | 9.1              | 8.7           | 31.02                 | 4,733.6                             | 2,847.0      | 5,523.8                | 5,506.0                 | 17.81                     | 310.136            |          |
| 2,700.0               | 2,700.0               | 2,605.0               | 2,595.0               | 9.4              | 9.1           | 31.01                 | 4,734.2                             | 2,846.2      | 5,523.9                | 5,505.4                 | 18.52                     | 298.213            |          |
| 2,800.0               | 2,800.0               | 2,705.0               | 2,695.0               | 9.8              | 9.4           | 31.00                 | 4,734.8                             | 2,845.4      | 5,524.0                | 5,504.8                 | 19.24                     | 287.168            |          |
| 2,900.0               | 2,900.0               | 2,805.0               | 2,794.9               | 10.2             | 9.8           | 30.99                 | 4,735.4                             | 2,844.6      | 5,524.1                | 5,504.1                 | 19.95                     | 276.908            |          |
| 3,000.0               | 3,000.0               | 2,905.0               | 2,894.9               | 10.5             | 10.1          | 30.98                 | 4,736.0                             | 2,843.8      | 5,524.2                | 5,503.5                 | 20.66                     | 267.352            |          |
| 3,100.0               | 3,100.0               | 3,005.0               | 2,994.9               | 10.9             | 10.5          | 30.97                 | 4,736.6                             | 2,843.0      | 5,524.3                | 5,502.9                 | 21.38                     | 258.431            |          |
| 3,200.0               | 3,200.0               | 3,105.0               | 3,094.9               | 11.2             | 10.9          | 30.96                 | 4,737.1                             | 2,842.2      | 5,524.4                | 5,502.3                 | 22.09                     | 250.084            |          |
| 3,300.0               | 3,300.0               | 3,195.0               | 3,194.9               | 11.6             | 11.2          | 30.95                 | 4,737.7                             | 2,841.4      | 5,524.5                | 5,501.7                 | 22.77                     | 242.638            |          |
| 3,400.0               | 3,400.0               | 3,305.0               | 3,294.9               | 12.0             | 11.6          | 30.94                 | 4,738.3                             | 2,840.6      | 5,524.6                | 5,501.0                 | 23.52                     | 234.903            |          |
| 3,500.0               | 3,500.0               | 3,405.0               | 3,394.9               | 12.3             | 11.9          | 30.93                 | 4,738.9                             | 2,839.8      | 5,524.7                | 5,500.4                 | 24.23                     | 227.982            |          |
| 3,600.0               | 3,600.0               | 3,505.1               | 3,494.9               | 12.7             | 12.3          | 30.92                 | 4,739.5                             | 2,839.0      | 5,524.7                | 5,499.8                 | 24.95                     | 221.455            |          |
| 3,700.0               | 3,700.0               | 3,605.1               | 3,594.9               | 13.0             | 12.6          | 30.91                 | 4,740.1                             | 2,838.2      | 5,524.8                | 5,499.2                 | 25.66                     | 215.291            |          |
| 3,800.0               | 3,800.0               | 3,705.1               | 3,694.9               | 13.4             | 13.0          | 30.90                 | 4,740.6                             | 2,837.4      | 5,524.9                | 5,498.6                 | 26.38                     | 209.459            |          |
| 3,900.0               | 3,900.0               | 3,805.1               | 3,794.8               | 13.7             | 13.3          | -59.14                | 4,741.2                             | 2,836.7      | 5,524.1                | 5,497.0                 | 27.08                     | 203.967            |          |
| 4,000.0               | 3,999.8               | 3,894.7               | 3,894.6               | 14.1             | 13.7          | -59.24                | 4,741.8                             | 2,835.9      | 5,521.5                | 5,493.8                 | 27.74                     | 199.010            |          |
| 4,100.0               | 4,099.6               | 3,994.4               | 3,994.3               | 14.4             | 14.0          | -59.31                | 4,742.4                             | 2,835.1      | 5,518.1                | 5,489.6                 | 28.44                     | 193.996            |          |
| 4,200.0               | 4,199.4               | 4,105.9               | 4,094.0               | 14.8             | 14.4          | -59.38                | 4,743.0                             | 2,834.3      | 5,514.6                | 5,485.4                 | 29.19                     | 188.941            |          |
| 4,300.0               | 4,299.1               | 4,206.2               | 4,193.7               | 15.1             | 14.8          | -59.46                | 4,743.6                             | 2,833.5      | 5,511.1                | 5,481.2                 | 29.89                     | 184.375            |          |
| 4,400.0               | 4,398.9               | 4,306.5               | 4,293.4               | 15.5             | 15.1          | -59.53                | 4,744.1                             | 2,832.7      | 5,507.7                | 5,477.1                 | 30.60                     | 180.011            |          |
| 4,500.0               | 4,498.6               | 4,406.8               | 4,393.1               | 15.8             | 15.5          | -59.60                | 4,744.7                             | 2,831.9      | 5,504.2                | 5,472.9                 | 31.30                     | 175.837            |          |
| 4,600.0               | 4,598.5               | 4,507.0               | 4,492.9               | 16.2             | 15.8          | -59.63                | 4,745.3                             | 2,831.1      | 5,501.5                | 5,469.5                 | 32.01                     | 171.868            |          |
| 4,700.0               | 4,698.4               | 4,607.1               | 4,592.8               | 16.5             | 16.2          | -59.64                | 4,745.9                             | 2,830.3      | 5,500.0                | 5,467.3                 | 32.71                     | 168.120            |          |
| 4,758.9               | 4,757.3               | 4,651.8               | 4,651.7               | 16.7             | 16.4          | -59.65                | 4,746.2                             | 2,829.9      | 5,499.8                | 5,466.7                 | 33.08                     | 166.247            |          |
| 4,766.7               | 4,765.1               | 4,659.6               | 4,659.4               | 16.8             | 16.4          | 30.35                 | 4,746.3                             | 2,829.8      | 5,499.8                | 5,466.7                 | 33.14                     | 165.971            |          |
| 4,800.0               | 4,798.4               | 4,707.1               | 4,692.8               | 16.9             | 16.6          | 30.34                 | 4,746.5                             | 2,829.5      | 5,499.8                | 5,466.4                 | 33.43                     | 164.536            |          |
| 4,900.0               | 4,898.4               | 4,792.9               | 4,792.7               | 17.2             | 16.9          | 30.33                 | 4,747.0                             | 2,828.7      | 5,499.9                | 5,465.9                 | 34.09                     | 161.335            |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design               |                       | Big Moose - Big Moose Fed Com #131H - TBSC Shale 2-Well - Wellbore #1 - Spacing Plan #1 |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft           |          |
|-----------------------------|-----------------------|-----------------------------------------------------------------------------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|--------------------|----------|
| Survey Program: 0-Reference |                       |                                                                                         |                       | Offset           |               | Semi Major Axis       |                                     |              | Distance               |                         |                           |                   | Warning            | Offset Well Error: | 0.0 usft |
| Measured Depth (usft)       | Vertical Depth (usft) | Measured Depth (usft)                                                                   | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |                    |          |
| 5,000.0                     | 4,998.4               | 4,907.1                                                                                 | 4,892.7               | 17.6             | 17.3          | 30.32                 | 4,747.6                             | 2,827.9      | 5,500.1                | 5,465.2                 | 34.86                     | 157.793           |                    |                    |          |
| 5,100.0                     | 5,098.4               | 5,007.1                                                                                 | 4,992.7               | 17.9             | 17.6          | 30.31                 | 4,748.2                             | 2,827.2      | 5,500.2                | 5,464.6                 | 35.57                     | 154.624           |                    |                    |          |
| 5,200.0                     | 5,198.4               | 5,107.1                                                                                 | 5,092.7               | 18.3             | 18.0          | 30.30                 | 4,748.8                             | 2,826.4      | 5,500.3                | 5,464.0                 | 36.29                     | 151.579           |                    |                    |          |
| 5,300.0                     | 5,298.4               | 5,207.1                                                                                 | 5,192.7               | 18.7             | 18.4          | 30.29                 | 4,749.4                             | 2,825.6      | 5,500.4                | 5,463.4                 | 37.00                     | 148.652           |                    |                    |          |
| 5,400.0                     | 5,398.4               | 5,307.1                                                                                 | 5,292.7               | 19.0             | 18.7          | 30.28                 | 4,750.0                             | 2,824.8      | 5,500.5                | 5,462.7                 | 37.72                     | 145.835           |                    |                    |          |
| 5,500.0                     | 5,498.4               | 5,407.1                                                                                 | 5,392.7               | 19.4             | 19.1          | 30.27                 | 4,750.5                             | 2,824.0      | 5,500.6                | 5,462.1                 | 38.43                     | 143.124           |                    |                    |          |
| 5,600.0                     | 5,598.4               | 5,507.2                                                                                 | 5,492.7               | 19.7             | 19.4          | 30.26                 | 4,751.1                             | 2,823.2      | 5,500.7                | 5,461.5                 | 39.15                     | 140.511           |                    |                    |          |
| 5,700.0                     | 5,698.4               | 5,592.8                                                                                 | 5,592.7               | 20.1             | 19.7          | 30.25                 | 4,751.7                             | 2,822.4      | 5,500.8                | 5,461.0                 | 39.81                     | 138.169           |                    |                    |          |
| 5,766.7                     | 5,765.1               | 5,659.5                                                                                 | 5,659.3               | 20.3             | 20.0          | 30.24                 | 4,752.1                             | 2,821.9      | 5,500.8                | 5,460.6                 | 40.29                     | 136.535           |                    |                    |          |
| 5,800.0                     | 5,798.4               | 5,707.2                                                                                 | 5,692.7               | 20.4             | 20.1          | -148.08               | 4,752.3                             | 2,821.6      | 5,501.0                | 5,460.5                 | 40.57                     | 135.582           |                    |                    |          |
| 5,900.0                     | 5,898.4               | 5,807.2                                                                                 | 5,792.6               | 20.8             | 20.5          | -148.08               | 4,752.9                             | 2,820.8      | 5,503.6                | 5,462.4                 | 41.26                     | 133.394           |                    |                    |          |
| 6,000.0                     | 5,998.1               | 5,907.5                                                                                 | 5,892.3               | 21.1             | 20.9          | -148.07               | 4,753.5                             | 2,820.0      | 5,509.2                | 5,467.2                 | 41.95                     | 131.342           |                    |                    |          |
| 6,100.0                     | 6,097.7               | 6,008.0                                                                                 | 5,991.8               | 21.4             | 21.2          | -148.04               | 4,754.0                             | 2,819.2      | 5,517.6                | 5,475.0                 | 42.63                     | 129.420           |                    |                    |          |
| 6,200.0                     | 6,196.8               | 6,109.0                                                                                 | 6,090.8               | 21.8             | 21.6          | -148.00               | 4,754.6                             | 2,818.4      | 5,529.1                | 5,485.8                 | 43.32                     | 127.622           |                    |                    |          |
| 6,229.5                     | 6,225.9               | 6,120.1                                                                                 | 6,119.9               | 21.8             | 21.6          | -147.99               | 4,754.8                             | 2,818.2      | 5,533.0                | 5,489.6                 | 43.46                     | 127.310           |                    |                    |          |
| 6,300.0                     | 6,295.5               | 6,189.6                                                                                 | 6,189.4               | 22.1             | 21.9          | -148.06               | 4,755.2                             | 2,817.7      | 5,542.8                | 5,498.8                 | 43.94                     | 126.138           |                    |                    |          |
| 6,400.0                     | 6,394.2               | 6,288.2                                                                                 | 6,288.0               | 22.4             | 22.2          | -148.16               | 4,755.8                             | 2,816.9      | 5,556.6                | 5,512.0                 | 44.63                     | 124.514           |                    |                    |          |
| 6,500.0                     | 6,492.9               | 15,795.6                                                                                | 11,199.6              | 22.7             | 88.7          | -104.39               | -66.6                               | 2,812.4      | 5,542.2                | 5,474.0                 | 68.18                     | 81.284            |                    |                    |          |
| 6,600.0                     | 6,591.6               | 15,811.8                                                                                | 11,199.6              | 23.1             | 89.0          | -104.08               | -82.9                               | 2,812.4      | 5,456.6                | 5,387.5                 | 69.14                     | 78.922            |                    |                    |          |
| 6,700.0                     | 6,690.3               | 15,828.1                                                                                | 11,199.6              | 23.4             | 89.2          | -103.76               | -99.1                               | 2,812.5      | 5,371.5                | 5,301.3                 | 70.12                     | 76.599            |                    |                    |          |
| 6,800.0                     | 6,789.0               | 15,844.4                                                                                | 11,199.6              | 23.8             | 89.4          | -103.45               | -115.4                              | 2,812.5      | 5,286.8                | 5,215.7                 | 71.14                     | 74.316            |                    |                    |          |
| 6,900.0                     | 6,887.7               | 15,860.7                                                                                | 11,199.6              | 24.1             | 89.7          | -103.14               | -131.7                              | 2,812.5      | 5,202.7                | 5,130.5                 | 72.18                     | 72.074            |                    |                    |          |
| 7,000.0                     | 6,986.4               | 15,877.0                                                                                | 11,199.7              | 24.5             | 89.9          | -102.82               | -148.0                              | 2,812.6      | 5,119.0                | 5,045.8                 | 73.26                     | 69.873            |                    |                    |          |
| 7,100.0                     | 7,085.1               | 15,893.3                                                                                | 11,199.7              | 24.8             | 90.2          | -102.51               | -164.3                              | 2,812.6      | 5,035.9                | 4,961.5                 | 74.37                     | 67.715            |                    |                    |          |
| 7,200.0                     | 7,183.8               | 15,909.6                                                                                | 11,199.7              | 25.2             | 90.4          | -102.19               | -180.6                              | 2,812.7      | 4,953.4                | 4,877.9                 | 75.51                     | 65.598            |                    |                    |          |
| 7,300.0                     | 7,282.5               | 15,925.9                                                                                | 11,199.7              | 25.6             | 90.6          | -101.87               | -196.9                              | 2,812.7      | 4,871.5                | 4,794.8                 | 76.69                     | 63.524            |                    |                    |          |
| 7,400.0                     | 7,381.2               | 15,942.1                                                                                | 11,199.8              | 25.9             | 90.9          | -101.55               | -213.2                              | 2,812.7      | 4,790.2                | 4,712.3                 | 77.90                     | 61.493            |                    |                    |          |
| 7,500.0                     | 7,479.8               | 15,958.4                                                                                | 11,199.8              | 26.3             | 91.1          | -101.23               | -229.5                              | 2,812.8      | 4,709.5                | 4,630.4                 | 79.14                     | 59.506            |                    |                    |          |
| 7,600.0                     | 7,578.5               | 15,974.7                                                                                | 11,199.8              | 26.7             | 91.4          | -100.91               | -245.7                              | 2,812.8      | 4,629.6                | 4,549.2                 | 80.43                     | 57.563            |                    |                    |          |
| 7,700.0                     | 7,677.2               | 15,991.0                                                                                | 11,199.8              | 27.0             | 91.6          | -100.59               | -262.0                              | 2,812.9      | 4,550.4                | 4,468.7                 | 81.75                     | 55.664            |                    |                    |          |
| 7,800.0                     | 7,775.9               | 16,007.3                                                                                | 11,199.9              | 27.4             | 91.9          | -100.27               | -278.3                              | 2,812.9      | 4,472.0                | 4,388.9                 | 83.11                     | 53.811            |                    |                    |          |
| 7,900.0                     | 7,874.6               | 16,023.6                                                                                | 11,199.9              | 27.8             | 92.1          | -99.95                | -294.6                              | 2,812.9      | 4,394.4                | 4,309.9                 | 84.50                     | 52.002            |                    |                    |          |
| 8,000.0                     | 7,973.3               | 16,039.9                                                                                | 11,199.9              | 28.2             | 92.4          | -99.62                | -310.9                              | 2,813.0      | 4,317.6                | 4,231.7                 | 85.94                     | 50.239            |                    |                    |          |
| 8,100.0                     | 8,072.0               | 16,056.2                                                                                | 11,199.9              | 28.6             | 92.6          | -99.30                | -327.2                              | 2,813.0      | 4,241.8                | 4,154.4                 | 87.42                     | 48.521            |                    |                    |          |
| 8,200.0                     | 8,170.7               | 16,072.5                                                                                | 11,200.0              | 28.9             | 92.8          | -98.97                | -343.5                              | 2,813.0      | 4,166.9                | 4,078.0                 | 88.94                     | 46.851            |                    |                    |          |
| 8,300.0                     | 8,269.4               | 16,088.7                                                                                | 11,200.0              | 29.3             | 93.1          | -98.65                | -359.8                              | 2,813.1      | 4,093.0                | 4,002.5                 | 90.50                     | 45.227            |                    |                    |          |
| 8,400.0                     | 8,368.1               | 16,105.0                                                                                | 11,200.0              | 29.7             | 93.3          | -98.32                | -376.0                              | 2,813.1      | 4,020.2                | 3,928.1                 | 92.10                     | 43.650            |                    |                    |          |
| 8,500.0                     | 8,466.8               | 16,121.3                                                                                | 11,200.0              | 30.1             | 93.6          | -98.00                | -392.3                              | 2,813.2      | 3,948.5                | 3,854.8                 | 93.75                     | 42.120            |                    |                    |          |
| 8,600.0                     | 8,565.5               | 16,137.6                                                                                | 11,200.1              | 30.5             | 93.8          | -97.67                | -408.6                              | 2,813.2      | 3,878.0                | 3,782.6                 | 95.43                     | 40.637            |                    |                    |          |
| 8,700.0                     | 8,664.2               | 16,153.9                                                                                | 11,200.1              | 30.9             | 94.1          | -97.34                | -424.9                              | 2,813.2      | 3,808.8                | 3,711.6                 | 97.15                     | 39.203            |                    |                    |          |
| 8,800.0                     | 8,762.9               | 16,170.2                                                                                | 11,200.1              | 31.3             | 94.3          | -97.01                | -441.2                              | 2,813.3      | 3,740.8                | 3,641.9                 | 98.92                     | 37.817            |                    |                    |          |
| 8,900.0                     | 8,861.6               | 16,186.5                                                                                | 11,200.1              | 31.7             | 94.6          | -96.68                | -457.5                              | 2,813.3      | 3,674.3                | 3,573.6                 | 100.72                    | 36.480            |                    |                    |          |
| 9,000.0                     | 8,960.3               | 16,202.8                                                                                | 11,200.1              | 32.1             | 94.8          | -96.35                | -473.8                              | 2,813.3      | 3,609.2                | 3,506.7                 | 102.56                    | 35.192            |                    |                    |          |
| 9,100.0                     | 9,059.0               | 16,219.0                                                                                | 11,200.2              | 32.5             | 95.0          | -96.02                | -490.1                              | 2,813.4      | 3,545.7                | 3,441.3                 | 104.43                    | 33.952            |                    |                    |          |
| 9,200.0                     | 9,157.7               | 16,235.3                                                                                | 11,200.2              | 32.9             | 95.3          | -95.69                | -506.4                              | 2,813.4      | 3,483.8                | 3,377.5                 | 106.34                    | 32.762            |                    |                    |          |
| 9,300.0                     | 9,256.4               | 16,251.6                                                                                | 11,200.2              | 33.3             | 95.5          | -95.36                | -522.6                              | 2,813.4      | 3,423.7                | 3,315.4                 | 108.27                    | 31.621            |                    |                    |          |
| 9,400.0                     | 9,355.1               | 16,267.9                                                                                | 11,200.2              | 33.7             | 95.8          | -95.03                | -538.9                              | 2,813.5      | 3,365.4                | 3,255.1                 | 110.23                    | 30.530            |                    |                    |          |
| 9,500.0                     | 9,453.8               | 16,284.2                                                                                | 11,200.3              | 34.1             | 96.0          | -94.70                | -555.2                              | 2,813.5      | 3,308.9                | 3,196.7                 | 112.21                    | 29.489            |                    |                    |          |
| 9,600.0                     | 9,552.5               | 16,300.5                                                                                | 11,200.3              | 34.5             | 96.3          | -94.36                | -571.5                              | 2,813.5      | 3,254.5                | 3,140.3                 | 114.20                    | 28.499            |                    |                    |          |
| 9,700.0                     | 9,651.2               | 16,316.8                                                                                | 11,200.3              | 34.9             | 96.5          | -94.03                | -587.8                              | 2,813.5      | 3,202.3                | 3,086.1                 | 116.20                    | 27.558            |                    |                    |          |
| 9,800.0                     | 9,749.9               | 16,333.1                                                                                | 11,200.3              | 35.3             | 96.8          | -93.70                | -604.1                              | 2,813.6      | 3,152.2                | 3,034.0                 | 118.20                    | 26.668            |                    |                    |          |
| 9,900.0                     | 9,848.6               | 16,349.4                                                                                | 11,200.4              | 35.7             | 97.0          | -93.36                | -620.4                              | 2,813.6      | 3,104.5                | 2,984.3                 | 120.20                    | 25.828            |                    |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design               |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|-----------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 0-Reference |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
|                             |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   |                    |          |
| Measured Depth (usft)       | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning            |          |
| 10,000.0                    | 9,947.3               | 16,365.6              | 11,200.4              | 36.1             | 97.3          | -93.03                | -636.7                              | 2,813.6      | 3,059.2                | 2,937.0                 | 122.18                    | 25.038            |                    |          |
| 10,100.0                    | 10,046.0              | 16,381.9              | 11,200.4              | 36.5             | 97.5          | -92.70                | -652.9                              | 2,813.7      | 3,016.4                | 2,892.3                 | 124.14                    | 24.299            |                    |          |
| 10,200.0                    | 10,144.7              | 16,398.2              | 11,200.4              | 36.9             | 97.7          | -92.36                | -669.2                              | 2,813.7      | 2,976.3                | 2,850.3                 | 126.06                    | 23.610            |                    |          |
| 10,300.0                    | 10,243.4              | 16,414.5              | 11,200.5              | 37.3             | 98.0          | -92.03                | -685.5                              | 2,813.7      | 2,939.0                | 2,811.1                 | 127.94                    | 22.972            |                    |          |
| 10,400.0                    | 10,342.1              | 16,430.8              | 11,200.5              | 37.7             | 98.2          | -91.69                | -701.8                              | 2,813.7      | 2,904.6                | 2,774.8                 | 129.76                    | 22.383            |                    |          |
| 10,500.0                    | 10,440.8              | 16,447.1              | 11,200.5              | 38.1             | 98.5          | -91.36                | -718.1                              | 2,813.8      | 2,873.1                | 2,741.6                 | 131.52                    | 21.845            |                    |          |
| 10,600.0                    | 10,539.5              | 16,463.4              | 11,200.5              | 38.5             | 98.7          | -91.02                | -734.4                              | 2,813.8      | 2,844.7                | 2,711.5                 | 133.20                    | 21.357            |                    |          |
| 10,700.0                    | 10,638.2              | 16,479.7              | 11,200.6              | 39.0             | 99.0          | -90.68                | -750.7                              | 2,813.8      | 2,819.5                | 2,684.7                 | 134.79                    | 20.918            |                    |          |
| 10,800.0                    | 10,736.9              | 16,496.0              | 11,200.6              | 39.4             | 99.2          | -90.35                | -767.0                              | 2,813.9      | 2,797.5                | 2,661.2                 | 136.27                    | 20.528            |                    |          |
| 10,900.0                    | 10,835.6              | 16,512.2              | 11,200.6              | 39.8             | 99.5          | -90.01                | -783.3                              | 2,813.9      | 2,778.8                | 2,641.2                 | 137.65                    | 20.188            |                    |          |
| 11,000.0                    | 10,934.3              | 16,528.5              | 11,200.6              | 40.2             | 99.7          | -89.68                | -799.5                              | 2,813.9      | 2,763.6                | 2,624.7                 | 138.90                    | 19.896            |                    |          |
| 11,100.0                    | 11,033.0              | 16,544.8              | 11,200.6              | 40.6             | 100.0         | -89.34                | -815.8                              | 2,813.9      | 2,751.8                | 2,611.8                 | 140.03                    | 19.652            |                    |          |
| 11,200.0                    | 11,131.7              | 16,561.1              | 11,200.7              | 41.0             | 100.2         | -89.00                | -832.1                              | 2,814.0      | 2,743.5                | 2,602.5                 | 141.01                    | 19.456            |                    |          |
| 11,300.0                    | 11,230.4              | 16,577.4              | 11,200.7              | 41.4             | 100.5         | -88.67                | -848.4                              | 2,814.0      | 2,738.8                | 2,596.9                 | 141.85                    | 19.307            |                    |          |
| 11,383.8                    | 11,313.1              | 16,591.1              | 11,200.7              | 41.8             | 100.7         | -88.39                | -862.1                              | 2,814.0      | 2,737.5                | 2,595.1                 | 142.45                    | 19.218            | CC                 |          |
| 11,400.0                    | 11,329.1              | 16,593.7              | 11,200.7              | 41.9             | 100.7         | -88.33                | -864.7                              | 2,814.0      | 2,737.6                | 2,595.0                 | 142.55                    | 19.204            | ES                 |          |
| 11,500.0                    | 11,427.8              | 16,610.0              | 11,200.7              | 42.3             | 101.0         | -87.99                | -881.0                              | 2,814.0      | 2,739.9                | 2,596.8                 | 143.09                    | 19.148            |                    |          |
| 11,535.3                    | 11,462.6              | 16,615.7              | 11,200.7              | 42.4             | 101.1         | -87.88                | -886.7                              | 2,814.0      | 2,741.6                | 2,598.4                 | 143.25                    | 19.138            |                    |          |
| 11,600.0                    | 11,526.5              | 16,625.7              | 11,200.8              | 42.7             | 101.2         | -87.73                | -896.7                              | 2,814.0      | 2,745.8                | 2,602.4                 | 143.48                    | 19.138            |                    |          |
| 11,700.0                    | 11,625.7              | 16,639.0              | 11,200.8              | 43.1             | 101.4         | -87.60                | -910.0                              | 2,814.1      | 2,755.4                | 2,611.7                 | 143.66                    | 19.180            |                    |          |
| 11,800.0                    | 11,725.1              | 16,649.7              | 11,200.8              | 43.5             | 101.6         | -87.58                | -920.7                              | 2,814.1      | 2,768.6                | 2,625.0                 | 143.64                    | 19.274            |                    |          |
| 11,900.0                    | 11,824.8              | 16,657.8              | 11,200.8              | 43.9             | 101.7         | -87.66                | -928.8                              | 2,814.1      | 2,785.4                | 2,642.0                 | 143.43                    | 19.420            |                    |          |
| 12,000.0                    | 11,924.7              | 16,663.3              | 11,200.8              | 44.2             | 101.8         | -87.86                | -934.3                              | 2,814.1      | 2,805.8                | 2,662.7                 | 143.03                    | 19.617            |                    |          |
| 12,100.0                    | 12,024.6              | 16,666.1              | 11,200.8              | 44.6             | 101.8         | -88.17                | -937.1                              | 2,814.1      | 2,829.6                | 2,687.1                 | 142.44                    | 19.864            |                    |          |
| 12,152.4                    | 12,077.0              | 16,666.6              | 11,200.8              | 44.7             | 101.8         | 89.95                 | -937.6                              | 2,814.1      | 2,843.4                | 2,701.4                 | 142.07                    | 20.014            |                    |          |
| 12,200.0                    | 12,124.6              | 16,668.6              | 11,200.8              | 44.9             | 101.9         | -92.56                | -939.6                              | 2,814.1      | 2,856.9                | 2,715.2                 | 141.74                    | 20.156            |                    |          |
| 12,250.0                    | 12,174.2              | 16,675.0              | 11,200.8              | 45.1             | 102.0         | -90.84                | -946.0                              | 2,814.1      | 2,872.0                | 2,730.6                 | 141.45                    | 20.303            |                    |          |
| 12,300.0                    | 12,223.0              | 16,685.7              | 11,200.9              | 45.3             | 102.1         | -88.94                | -956.7                              | 2,814.1      | 2,887.9                | 2,746.7                 | 141.24                    | 20.447            |                    |          |
| 12,350.0                    | 12,270.7              | 16,700.6              | 11,200.9              | 45.6             | 102.3         | -86.89                | -971.6                              | 2,814.1      | 2,904.5                | 2,763.4                 | 141.10                    | 20.585            |                    |          |
| 12,400.0                    | 12,317.0              | 16,719.7              | 11,200.9              | 45.8             | 102.6         | -84.72                | -990.7                              | 2,814.2      | 2,921.5                | 2,780.5                 | 141.04                    | 20.715            |                    |          |
| 12,450.0                    | 12,361.4              | 16,742.7              | 11,200.9              | 46.1             | 103.0         | -82.48                | -1,013.7                            | 2,814.2      | 2,938.8                | 2,797.7                 | 141.05                    | 20.834            |                    |          |
| 12,500.0                    | 12,403.7              | 16,769.5              | 11,201.0              | 46.4             | 103.4         | -80.21                | -1,040.5                            | 2,814.2      | 2,956.0                | 2,814.8                 | 141.16                    | 20.941            |                    |          |
| 12,550.0                    | 12,443.5              | 16,799.8              | 11,201.0              | 46.7             | 103.9         | -77.95                | -1,070.8                            | 2,814.3      | 2,973.0                | 2,831.7                 | 141.35                    | 21.034            |                    |          |
| 12,600.0                    | 12,480.5              | 16,833.5              | 11,201.1              | 47.1             | 104.4         | -75.76                | -1,104.6                            | 2,814.3      | 2,989.5                | 2,847.9                 | 141.63                    | 21.109            |                    |          |
| 12,650.0                    | 12,514.4              | 16,870.4              | 11,201.1              | 47.4             | 104.9         | -73.68                | -1,141.4                            | 2,814.3      | 3,005.4                | 2,863.4                 | 142.00                    | 21.165            |                    |          |
| 12,700.0                    | 12,545.0              | 16,910.0              | 11,201.2              | 47.8             | 105.6         | -71.74                | -1,181.0                            | 2,814.4      | 3,020.4                | 2,877.9                 | 142.46                    | 21.201            |                    |          |
| 12,750.0                    | 12,572.0              | 16,952.2              | 11,201.2              | 48.1             | 106.2         | -69.97                | -1,223.2                            | 2,814.4      | 3,034.3                | 2,891.2                 | 143.02                    | 21.216            |                    |          |
| 12,800.0                    | 12,595.3              | 16,996.5              | 11,201.3              | 48.5             | 106.9         | -68.41                | -1,267.5                            | 2,814.5      | 3,046.8                | 2,903.2                 | 143.67                    | 21.207            |                    |          |
| 12,850.0                    | 12,614.6              | 17,042.7              | 11,201.4              | 48.9             | 107.6         | -67.06                | -1,313.7                            | 2,814.5      | 3,058.0                | 2,913.6                 | 144.42                    | 21.175            |                    |          |
| 12,900.0                    | 12,629.8              | 17,090.4              | 11,201.4              | 49.3             | 108.3         | -65.94                | -1,361.4                            | 2,814.5      | 3,067.5                | 2,922.3                 | 145.25                    | 21.119            |                    |          |
| 12,950.0                    | 12,640.8              | 17,139.3              | 11,201.5              | 49.7             | 109.1         | -65.06                | -1,410.3                            | 2,814.6      | 3,075.3                | 2,929.1                 | 146.16                    | 21.040            |                    |          |
| 13,000.0                    | 12,647.6              | 17,188.9              | 11,201.6              | 50.1             | 109.9         | -64.43                | -1,459.9                            | 2,814.6      | 3,081.3                | 2,934.2                 | 147.16                    | 20.938            |                    |          |
| 13,052.4                    | 12,650.0              | 17,241.3              | 11,201.7              | 50.5             | 110.7         | -64.04                | -1,512.3                            | 2,814.6      | 3,085.6                | 2,937.3                 | 148.29                    | 20.808            |                    |          |
| 13,100.0                    | 12,650.0              | 17,289.0              | 11,201.7              | 50.9             | 111.4         | -64.08                | -1,560.0                            | 2,814.6      | 3,088.2                | 2,938.8                 | 149.35                    | 20.678            |                    |          |
| 13,200.0                    | 12,650.0              | 17,389.4              | 11,201.9              | 51.8             | 113.0         | -64.14                | -1,660.4                            | 2,814.7      | 3,091.3                | 2,939.7                 | 151.59                    | 20.392            |                    |          |
| 13,267.5                    | 12,650.0              | 17,457.2              | 11,202.0              | 52.4             | 114.0         | -64.15                | -1,728.2                            | 2,814.7      | 3,091.6                | 2,938.5                 | 153.11                    | 20.192            |                    |          |
| 13,300.0                    | 12,650.0              | 17,489.8              | 11,202.0              | 52.7             | 114.5         | -64.15                | -1,760.8                            | 2,814.7      | 3,091.4                | 2,937.5                 | 153.85                    | 20.094            |                    |          |
| 13,400.0                    | 12,650.0              | 17,590.2              | 11,202.2              | 53.6             | 116.1         | -64.15                | -1,861.2                            | 2,814.7      | 3,090.8                | 2,934.6                 | 156.13                    | 19.796            |                    |          |
| 13,500.0                    | 12,650.0              | 17,690.6              | 11,202.3              | 54.6             | 117.6         | -64.14                | -1,961.6                            | 2,814.7      | 3,090.2                | 2,931.7                 | 158.45                    | 19.502            |                    |          |
| 13,600.0                    | 12,650.0              | 17,791.0              | 11,202.5              | 55.6             | 119.2         | -64.14                | -2,062.0                            | 2,814.7      | 3,089.5                | 2,928.7                 | 160.80                    | 19.213            |                    |          |
| 13,632.1                    | 12,650.0              | 17,803.1              | 11,202.5              | 55.9             | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 3,089.4                | 2,928.1                 | 161.27                    | 19.157            |                    |          |
| 13,700.0                    | 12,650.0              | 17,803.1              | 11,202.5              | 56.6             | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 3,090.1                | 2,928.3                 | 161.82                    | 19.096            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design         |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 0-    |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
| Reference             |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   |                    | Warning  |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 13,800.0              | 12,650.0              | 17,803.1              | 11,202.5              | 57.6             | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 3,093.9                | 2,931.4                 | 162.57                    | 19.031            |                    |          |
| 13,900.0              | 12,650.0              | 17,803.1              | 11,202.5              | 58.7             | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 3,101.0                | 2,937.7                 | 163.23                    | 18.998            |                    |          |
| 14,000.0              | 12,650.0              | 17,803.1              | 11,202.5              | 59.8             | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 3,111.2                | 2,947.4                 | 163.79                    | 18.995 SF         |                    |          |
| 14,100.0              | 12,650.0              | 17,803.1              | 11,202.5              | 61.0             | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 3,124.6                | 2,960.3                 | 164.26                    | 19.022            |                    |          |
| 14,200.0              | 12,650.0              | 17,803.1              | 11,202.5              | 62.1             | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 3,141.1                | 2,976.5                 | 164.63                    | 19.080            |                    |          |
| 14,300.0              | 12,650.0              | 17,803.1              | 11,202.5              | 63.3             | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 3,160.8                | 2,995.9                 | 164.90                    | 19.168            |                    |          |
| 14,400.0              | 12,650.0              | 17,803.1              | 11,202.5              | 64.5             | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 3,183.4                | 3,018.3                 | 165.07                    | 19.285            |                    |          |
| 14,500.0              | 12,650.0              | 17,803.1              | 11,202.5              | 65.7             | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 3,209.0                | 3,043.8                 | 165.15                    | 19.431            |                    |          |
| 14,600.0              | 12,650.0              | 17,803.1              | 11,202.5              | 67.0             | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 3,237.5                | 3,072.3                 | 165.13                    | 19.605            |                    |          |
| 14,700.0              | 12,650.0              | 17,803.1              | 11,202.5              | 68.2             | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 3,268.7                | 3,103.7                 | 165.03                    | 19.807            |                    |          |
| 14,800.0              | 12,650.0              | 17,803.1              | 11,202.5              | 69.5             | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 3,302.8                | 3,137.9                 | 164.84                    | 20.036            |                    |          |
| 14,900.0              | 12,650.0              | 17,803.1              | 11,202.5              | 70.8             | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 3,339.4                | 3,174.9                 | 164.57                    | 20.292            |                    |          |
| 15,000.0              | 12,650.0              | 17,803.1              | 11,202.5              | 72.1             | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 3,378.7                | 3,214.4                 | 164.23                    | 20.573            |                    |          |
| 15,100.0              | 12,650.0              | 17,803.1              | 11,202.5              | 73.4             | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 3,420.4                | 3,256.6                 | 163.82                    | 20.879            |                    |          |
| 15,200.0              | 12,650.0              | 17,803.1              | 11,202.5              | 74.8             | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 3,464.5                | 3,301.1                 | 163.35                    | 21.209            |                    |          |
| 15,300.0              | 12,650.0              | 17,803.1              | 11,202.5              | 76.1             | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 3,510.9                | 3,348.0                 | 162.82                    | 21.562            |                    |          |
| 15,400.0              | 12,650.0              | 17,803.1              | 11,202.5              | 77.5             | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 3,559.5                | 3,397.2                 | 162.25                    | 21.939            |                    |          |
| 15,500.0              | 12,650.0              | 17,803.1              | 11,202.5              | 78.8             | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 3,610.2                | 3,448.6                 | 161.62                    | 22.337            |                    |          |
| 15,600.0              | 12,650.0              | 17,803.1              | 11,202.5              | 80.2             | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 3,662.9                | 3,502.0                 | 160.96                    | 22.756            |                    |          |
| 15,700.0              | 12,650.0              | 17,803.1              | 11,202.5              | 81.6             | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 3,717.6                | 3,557.3                 | 160.27                    | 23.196            |                    |          |
| 15,800.0              | 12,650.0              | 17,803.1              | 11,202.5              | 83.0             | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 3,774.1                | 3,614.6                 | 159.54                    | 23.656            |                    |          |
| 15,900.0              | 12,650.0              | 17,803.1              | 11,202.5              | 84.4             | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 3,832.5                | 3,673.7                 | 158.79                    | 24.135            |                    |          |
| 16,000.0              | 12,650.0              | 17,803.1              | 11,202.5              | 85.9             | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 3,892.5                | 3,734.4                 | 158.03                    | 24.632            |                    |          |
| 16,100.0              | 12,650.0              | 17,803.1              | 11,202.5              | 87.3             | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 3,954.1                | 3,796.9                 | 157.24                    | 25.146            |                    |          |
| 16,200.0              | 12,650.0              | 17,803.1              | 11,202.5              | 88.7             | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 4,017.3                | 3,860.8                 | 156.45                    | 25.678            |                    |          |
| 16,300.0              | 12,650.0              | 17,803.1              | 11,202.5              | 90.2             | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 4,081.9                | 3,926.3                 | 155.65                    | 26.225            |                    |          |
| 16,400.0              | 12,650.0              | 17,803.1              | 11,202.5              | 91.6             | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 4,148.0                | 3,993.1                 | 154.84                    | 26.789            |                    |          |
| 16,500.0              | 12,650.0              | 17,803.1              | 11,202.5              | 93.1             | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 4,215.4                | 4,061.3                 | 154.03                    | 27.367            |                    |          |
| 16,600.0              | 12,650.0              | 17,803.1              | 11,202.5              | 94.5             | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 4,284.0                | 4,130.8                 | 153.22                    | 27.959            |                    |          |
| 16,700.0              | 12,650.0              | 17,803.1              | 11,202.5              | 96.0             | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 4,353.9                | 4,201.5                 | 152.42                    | 28.566            |                    |          |
| 16,800.0              | 12,650.0              | 17,803.1              | 11,202.5              | 97.5             | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 4,424.9                | 4,273.3                 | 151.62                    | 29.185            |                    |          |
| 16,900.0              | 12,650.0              | 17,803.1              | 11,202.5              | 99.0             | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 4,497.1                | 4,346.2                 | 150.82                    | 29.817            |                    |          |
| 17,000.0              | 12,650.0              | 17,803.1              | 11,202.5              | 100.5            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 4,570.3                | 4,420.2                 | 150.04                    | 30.461            |                    |          |
| 17,100.0              | 12,650.0              | 17,803.1              | 11,202.5              | 101.9            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 4,644.4                | 4,495.2                 | 149.26                    | 31.117            |                    |          |
| 17,200.0              | 12,650.0              | 17,803.1              | 11,202.5              | 103.4            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 4,719.6                | 4,571.1                 | 148.49                    | 31.783            |                    |          |
| 17,300.0              | 12,650.0              | 17,803.1              | 11,202.5              | 104.9            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 4,795.6                | 4,647.9                 | 147.74                    | 32.460            |                    |          |
| 17,400.0              | 12,650.0              | 17,803.1              | 11,202.5              | 106.5            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 4,872.5                | 4,725.5                 | 147.00                    | 33.147            |                    |          |
| 17,500.0              | 12,650.0              | 17,803.1              | 11,202.5              | 108.0            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 4,950.3                | 4,804.0                 | 146.27                    | 33.843            |                    |          |
| 17,600.0              | 12,650.0              | 17,803.1              | 11,202.5              | 109.5            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 5,028.8                | 4,883.2                 | 145.56                    | 34.549            |                    |          |
| 17,700.0              | 12,650.0              | 17,803.1              | 11,202.5              | 111.0            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 5,108.1                | 4,963.2                 | 144.85                    | 35.263            |                    |          |
| 17,800.0              | 12,650.0              | 17,803.1              | 11,202.5              | 112.5            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 5,188.1                | 5,043.9                 | 144.17                    | 35.986            |                    |          |
| 17,900.0              | 12,650.0              | 17,803.1              | 11,202.5              | 114.1            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 5,268.7                | 5,125.2                 | 143.50                    | 36.716            |                    |          |
| 18,000.0              | 12,650.0              | 17,803.1              | 11,202.5              | 115.6            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 5,350.1                | 5,207.2                 | 142.84                    | 37.454            |                    |          |
| 18,100.0              | 12,650.0              | 17,803.1              | 11,202.5              | 117.1            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 5,432.0                | 5,289.8                 | 142.20                    | 38.199            |                    |          |
| 18,200.0              | 12,650.0              | 17,803.1              | 11,202.5              | 118.7            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 5,514.6                | 5,373.0                 | 141.58                    | 38.951            |                    |          |
| 18,300.0              | 12,650.0              | 17,803.1              | 11,202.5              | 120.2            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 5,597.7                | 5,456.7                 | 140.97                    | 39.709            |                    |          |
| 18,400.0              | 12,650.0              | 17,803.1              | 11,202.5              | 121.8            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 5,681.3                | 5,541.0                 | 140.37                    | 40.473            |                    |          |
| 18,500.0              | 12,650.0              | 17,803.1              | 11,202.5              | 123.3            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 5,765.5                | 5,625.7                 | 139.79                    | 41.243            |                    |          |
| 18,600.0              | 12,650.0              | 17,803.1              | 11,202.5              | 124.9            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 5,850.2                | 5,711.0                 | 139.23                    | 42.018            |                    |          |
| 18,700.0              | 12,650.0              | 17,803.1              | 11,202.5              | 126.4            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 5,935.3                | 5,796.7                 | 138.68                    | 42.799            |                    |          |
| 18,800.0              | 12,650.0              | 17,803.1              | 11,202.5              | 128.0            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 6,021.0                | 5,882.8                 | 138.15                    | 43.584            |                    |          |
| 18,900.0              | 12,650.0              | 17,803.1              | 11,202.5              | 129.5            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 6,107.0                | 5,969.4                 | 137.63                    | 44.374            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design         |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 0-    |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
| Reference             |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   |                    | Warning  |
| Measured Depth (usft) | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 19,000.0              | 12,650.0              | 17,803.1              | 11,202.5              | 131.1            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 6,193.5                | 6,056.3                 | 137.12                    | 45.168            |                    |          |
| 19,100.0              | 12,650.0              | 17,803.1              | 11,202.5              | 132.6            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 6,280.3                | 6,143.7                 | 136.63                    | 45.967            |                    |          |
| 19,200.0              | 12,650.0              | 17,803.1              | 11,202.5              | 134.2            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 6,367.6                | 6,231.4                 | 136.15                    | 46.769            |                    |          |
| 19,300.0              | 12,650.0              | 17,803.1              | 11,202.5              | 135.8            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 6,455.2                | 6,319.5                 | 135.69                    | 47.575            |                    |          |
| 19,400.0              | 12,650.0              | 17,803.1              | 11,202.5              | 137.3            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 6,543.2                | 6,408.0                 | 135.23                    | 48.384            |                    |          |
| 19,500.0              | 12,650.0              | 17,803.1              | 11,202.5              | 138.9            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 6,631.5                | 6,496.7                 | 134.80                    | 49.197            |                    |          |
| 19,600.0              | 12,650.0              | 17,803.1              | 11,202.5              | 140.5            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 6,720.2                | 6,585.8                 | 134.37                    | 50.012            |                    |          |
| 19,700.0              | 12,650.0              | 17,803.1              | 11,202.5              | 142.1            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 6,809.1                | 6,675.2                 | 133.96                    | 50.830            |                    |          |
| 19,800.0              | 12,650.0              | 17,803.1              | 11,202.5              | 143.6            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 6,898.4                | 6,764.8                 | 133.56                    | 51.651            |                    |          |
| 19,900.0              | 12,650.0              | 17,803.1              | 11,202.5              | 145.2            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 6,987.9                | 6,854.8                 | 133.17                    | 52.474            |                    |          |
| 20,000.0              | 12,650.0              | 17,803.1              | 11,202.5              | 146.8            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 7,077.8                | 6,945.0                 | 132.79                    | 53.300            |                    |          |
| 20,100.0              | 12,650.0              | 17,803.1              | 11,202.5              | 148.4            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 7,167.9                | 7,035.5                 | 132.43                    | 54.127            |                    |          |
| 20,200.0              | 12,650.0              | 17,803.1              | 11,202.5              | 150.0            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 7,258.2                | 7,126.2                 | 132.07                    | 54.957            |                    |          |
| 20,300.0              | 12,650.0              | 17,803.1              | 11,202.5              | 151.6            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 7,348.9                | 7,217.1                 | 131.73                    | 55.788            |                    |          |
| 20,400.0              | 12,650.0              | 17,803.1              | 11,202.5              | 153.2            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 7,439.7                | 7,308.3                 | 131.39                    | 56.621            |                    |          |
| 20,500.0              | 12,650.0              | 17,803.1              | 11,202.5              | 154.7            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 7,530.8                | 7,399.7                 | 131.07                    | 57.455            |                    |          |
| 20,600.0              | 12,650.0              | 17,803.1              | 11,202.5              | 156.3            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 7,622.1                | 7,491.3                 | 130.76                    | 58.291            |                    |          |
| 20,700.0              | 12,650.0              | 17,803.1              | 11,202.5              | 157.9            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 7,713.6                | 7,583.2                 | 130.46                    | 59.128            |                    |          |
| 20,800.0              | 12,650.0              | 17,803.1              | 11,202.5              | 159.5            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 7,805.4                | 7,675.2                 | 130.16                    | 59.966            |                    |          |
| 20,900.0              | 12,650.0              | 17,803.1              | 11,202.5              | 161.1            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 7,897.3                | 7,767.4                 | 129.88                    | 60.805            |                    |          |
| 21,000.0              | 12,650.0              | 17,803.1              | 11,202.5              | 162.7            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 7,989.4                | 7,859.8                 | 129.60                    | 61.645            |                    |          |
| 21,100.0              | 12,650.0              | 17,803.1              | 11,202.5              | 164.3            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 8,081.7                | 7,952.4                 | 129.34                    | 62.486            |                    |          |
| 21,200.0              | 12,650.0              | 17,803.1              | 11,202.5              | 165.9            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 8,174.2                | 8,045.1                 | 129.08                    | 63.327            |                    |          |
| 21,300.0              | 12,650.0              | 17,803.1              | 11,202.5              | 167.5            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 8,266.9                | 8,138.1                 | 128.83                    | 64.169            |                    |          |
| 21,400.0              | 12,650.0              | 17,803.1              | 11,202.5              | 169.1            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 8,359.7                | 8,231.1                 | 128.59                    | 65.011            |                    |          |
| 21,500.0              | 12,650.0              | 17,803.1              | 11,202.5              | 170.7            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 8,452.7                | 8,324.4                 | 128.36                    | 65.853            |                    |          |
| 21,600.0              | 12,650.0              | 17,803.1              | 11,202.5              | 172.3            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 8,545.9                | 8,417.8                 | 128.13                    | 66.696            |                    |          |
| 21,700.0              | 12,650.0              | 17,803.1              | 11,202.5              | 173.9            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 8,639.2                | 8,511.3                 | 127.91                    | 67.539            |                    |          |
| 21,800.0              | 12,650.0              | 17,803.1              | 11,202.5              | 175.5            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 8,732.7                | 8,605.0                 | 127.70                    | 68.382            |                    |          |
| 21,900.0              | 12,650.0              | 17,803.1              | 11,202.5              | 177.1            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 8,826.3                | 8,698.8                 | 127.50                    | 69.225            |                    |          |
| 22,000.0              | 12,650.0              | 17,803.1              | 11,202.5              | 178.7            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 8,920.0                | 8,792.7                 | 127.30                    | 70.068            |                    |          |
| 22,100.0              | 12,650.0              | 17,803.1              | 11,202.5              | 180.3            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 9,013.9                | 8,886.8                 | 127.12                    | 70.911            |                    |          |
| 22,200.0              | 12,650.0              | 17,803.1              | 11,202.5              | 182.0            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 9,107.9                | 8,981.0                 | 126.93                    | 71.754            |                    |          |
| 22,300.0              | 12,650.0              | 17,803.1              | 11,202.5              | 183.6            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 9,202.0                | 9,075.3                 | 126.76                    | 72.596            |                    |          |
| 22,400.0              | 12,650.0              | 17,803.1              | 11,202.5              | 185.2            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 9,296.3                | 9,169.7                 | 126.59                    | 73.438            |                    |          |
| 22,500.0              | 12,650.0              | 17,803.1              | 11,202.5              | 186.8            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 9,390.7                | 9,264.2                 | 126.42                    | 74.279            |                    |          |
| 22,600.0              | 12,650.0              | 17,803.1              | 11,202.5              | 188.4            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 9,485.2                | 9,358.9                 | 126.27                    | 75.120            |                    |          |
| 22,700.0              | 12,650.0              | 17,803.1              | 11,202.5              | 190.0            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 9,579.8                | 9,453.6                 | 126.11                    | 75.961            |                    |          |
| 22,800.0              | 12,650.0              | 17,803.1              | 11,202.5              | 191.6            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 9,674.5                | 9,548.5                 | 125.97                    | 76.801            |                    |          |
| 22,884.1              | 12,650.0              | 17,803.1              | 11,202.5              | 193.0            | 119.4         | -64.14                | -2,074.1                            | 2,814.7      | 9,754.2                | 9,628.4                 | 125.85                    | 77.507            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #501H - Wellbore #1 - BLM Plan #1 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-MWD                                                            |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 0.0                                                                              | 0.0                   | 6.0                   | -6.0                  | 0.0              | 0.0           | 86.42                 | 110.5                               | 1,763.7      | 1,767.2                |                         |                           |                    |          |
| 100.0                                                                            | 100.0                 | 106.0                 | 94.0                  | 0.1              | 0.1           | 86.42                 | 110.5                               | 1,763.7      | 1,767.2                | 1,766.9                 | 0.28                      | 6,361.008          |          |
| 200.0                                                                            | 200.0                 | 206.0                 | 194.0                 | 0.5              | 0.5           | 86.42                 | 110.5                               | 1,763.7      | 1,767.2                | 1,766.2                 | 0.99                      | 1,776.499          |          |
| 300.0                                                                            | 300.0                 | 306.0                 | 294.0                 | 0.8              | 0.9           | 86.42                 | 110.5                               | 1,763.7      | 1,767.2                | 1,765.5                 | 1.71                      | 1,032.416          |          |
| 400.0                                                                            | 400.0                 | 406.0                 | 394.0                 | 1.2              | 1.2           | 86.42                 | 110.5                               | 1,763.7      | 1,767.2                | 1,764.8                 | 2.43                      | 727.644            |          |
| 500.0                                                                            | 500.0                 | 506.0                 | 494.0                 | 1.6              | 1.6           | 86.42                 | 110.5                               | 1,763.7      | 1,767.2                | 1,764.0                 | 3.15                      | 561.799            |          |
| 600.0                                                                            | 600.0                 | 606.0                 | 594.0                 | 1.9              | 1.9           | 86.42                 | 110.5                               | 1,763.7      | 1,767.2                | 1,763.3                 | 3.86                      | 457.521            |          |
| 700.0                                                                            | 700.0                 | 706.0                 | 694.0                 | 2.3              | 2.3           | 86.42                 | 110.5                               | 1,763.7      | 1,767.2                | 1,762.6                 | 4.58                      | 385.893            |          |
| 800.0                                                                            | 800.0                 | 806.0                 | 794.0                 | 2.6              | 2.7           | 86.42                 | 110.5                               | 1,763.7      | 1,767.2                | 1,761.9                 | 5.30                      | 333.657            |          |
| 900.0                                                                            | 900.0                 | 906.0                 | 894.0                 | 3.0              | 3.0           | 86.42                 | 110.5                               | 1,763.7      | 1,767.2                | 1,761.2                 | 6.01                      | 293.877            |          |
| 1,000.0                                                                          | 1,000.0               | 994.0                 | 994.0                 | 3.4              | 3.3           | 86.42                 | 110.5                               | 1,763.7      | 1,767.2                | 1,760.5                 | 6.69                      | 264.261            |          |
| 1,100.0                                                                          | 1,100.0               | 1,153.5               | 1,153.5               | 3.7              | 3.9           | 86.52                 | 107.1                               | 1,761.3      | 1,765.6                | 1,758.0                 | 7.59                      | 232.739            |          |
| 1,200.0                                                                          | 1,200.0               | 1,315.9               | 1,315.2               | 4.1              | 4.4           | 86.86                 | 96.3                                | 1,753.6      | 1,760.5                | 1,752.0                 | 8.49                      | 207.460            |          |
| 1,300.0                                                                          | 1,300.0               | 1,476.2               | 1,474.0               | 4.4              | 5.0           | 87.42                 | 78.3                                | 1,740.8      | 1,751.9                | 1,742.5                 | 9.39                      | 186.487            |          |
| 1,400.0                                                                          | 1,400.0               | 1,583.7               | 1,579.9               | 4.8              | 5.4           | 87.91                 | 63.2                                | 1,730.1      | 1,741.2                | 1,731.0                 | 10.14                     | 171.719            |          |
| 1,500.0                                                                          | 1,500.0               | 1,682.2               | 1,676.9               | 5.1              | 5.8           | 88.36                 | 49.2                                | 1,720.2      | 1,730.6                | 1,719.7                 | 10.87                     | 159.277            |          |
| 1,600.0                                                                          | 1,600.0               | 1,780.7               | 1,773.9               | 5.5              | 6.2           | 88.82                 | 35.3                                | 1,710.2      | 1,720.0                | 1,708.4                 | 11.60                     | 148.296            |          |
| 1,700.0                                                                          | 1,700.0               | 1,879.2               | 1,870.9               | 5.9              | 6.6           | 89.28                 | 21.4                                | 1,700.3      | 1,709.6                | 1,697.3                 | 12.34                     | 138.552            |          |
| 1,800.0                                                                          | 1,800.0               | 1,977.7               | 1,967.9               | 6.2              | 7.0           | 89.75                 | 7.4                                 | 1,690.4      | 1,699.3                | 1,686.3                 | 13.09                     | 129.859            |          |
| 1,900.0                                                                          | 1,900.0               | 2,076.1               | 2,064.9               | 6.6              | 7.4           | 90.22                 | -6.5                                | 1,680.5      | 1,689.2                | 1,675.3                 | 13.84                     | 122.066            |          |
| 2,000.0                                                                          | 2,000.0               | 2,174.6               | 2,161.8               | 6.9              | 7.8           | 90.70                 | -20.4                               | 1,670.6      | 1,679.1                | 1,664.5                 | 14.60                     | 115.047            |          |
| 2,100.0                                                                          | 2,100.0               | 2,273.1               | 2,258.8               | 7.3              | 8.2           | 91.19                 | -34.4                               | 1,660.7      | 1,669.2                | 1,653.8                 | 15.36                     | 108.698            |          |
| 2,200.0                                                                          | 2,200.0               | 2,371.6               | 2,355.8               | 7.7              | 8.7           | 91.68                 | -48.3                               | 1,650.8      | 1,659.4                | 1,643.3                 | 16.12                     | 102.932            |          |
| 2,300.0                                                                          | 2,300.0               | 2,470.1               | 2,452.8               | 8.0              | 9.1           | 92.17                 | -62.2                               | 1,640.8      | 1,649.7                | 1,632.8                 | 16.89                     | 97.675             |          |
| 2,400.0                                                                          | 2,400.0               | 2,568.5               | 2,549.8               | 8.4              | 9.5           | 92.67                 | -76.2                               | 1,630.9      | 1,640.1                | 1,622.5                 | 17.66                     | 92.866             |          |
| 2,500.0                                                                          | 2,500.0               | 2,667.0               | 2,646.8               | 8.7              | 9.9           | 93.18                 | -90.1                               | 1,621.0      | 1,630.7                | 1,612.3                 | 18.44                     | 88.452             |          |
| 2,600.0                                                                          | 2,600.0               | 2,765.5               | 2,743.7               | 9.1              | 10.4          | 93.69                 | -104.0                              | 1,611.1      | 1,621.4                | 1,602.2                 | 19.21                     | 84.389             |          |
| 2,700.0                                                                          | 2,700.0               | 2,864.0               | 2,840.7               | 9.4              | 10.8          | 94.21                 | -118.0                              | 1,601.2      | 1,612.2                | 1,592.2                 | 19.99                     | 80.638             |          |
| 2,800.0                                                                          | 2,800.0               | 2,962.5               | 2,937.7               | 9.8              | 11.2          | 94.74                 | -131.9                              | 1,591.3      | 1,603.2                | 1,582.4                 | 20.78                     | 77.166             |          |
| 2,900.0                                                                          | 2,900.0               | 3,060.9               | 3,034.7               | 10.2             | 11.7          | 95.27                 | -145.8                              | 1,581.4      | 1,594.3                | 1,572.7                 | 21.56                     | 73.945             |          |
| 3,000.0                                                                          | 3,000.0               | 3,159.4               | 3,131.7               | 10.5             | 12.1          | 95.81                 | -159.8                              | 1,571.4      | 1,585.5                | 1,563.2                 | 22.35                     | 70.949             |          |
| 3,100.0                                                                          | 3,100.0               | 3,257.9               | 3,228.7               | 10.9             | 12.6          | 96.35                 | -173.7                              | 1,561.5      | 1,576.9                | 1,553.8                 | 23.14                     | 68.157             |          |
| 3,200.0                                                                          | 3,200.0               | 3,356.4               | 3,325.7               | 11.2             | 13.0          | 96.90                 | -187.6                              | 1,551.6      | 1,568.5                | 1,544.5                 | 23.93                     | 65.550             |          |
| 3,300.0                                                                          | 3,300.0               | 3,454.9               | 3,422.6               | 11.6             | 13.4          | 97.45                 | -201.6                              | 1,541.7      | 1,560.1                | 1,535.4                 | 24.72                     | 63.110             |          |
| 3,400.0                                                                          | 3,400.0               | 3,553.4               | 3,519.6               | 12.0             | 13.9          | 98.01                 | -215.5                              | 1,531.8      | 1,552.0                | 1,526.5                 | 25.52                     | 60.824             |          |
| 3,500.0                                                                          | 3,500.0               | 3,651.8               | 3,616.6               | 12.3             | 14.3          | 98.57                 | -229.4                              | 1,521.9      | 1,544.0                | 1,517.6                 | 26.31                     | 58.677             |          |
| 3,600.0                                                                          | 3,600.0               | 3,750.3               | 3,713.6               | 12.7             | 14.8          | 99.14                 | -243.4                              | 1,512.0      | 1,536.1                | 1,509.0                 | 27.11                     | 56.659             |          |
| 3,700.0                                                                          | 3,700.0               | 3,848.8               | 3,810.6               | 13.0             | 15.2          | 99.72                 | -257.3                              | 1,502.1      | 1,528.4                | 1,500.5                 | 27.91                     | 54.759             |          |
| 3,800.0                                                                          | 3,800.0               | 3,947.3               | 3,907.6               | 13.4             | 15.6          | 100.30                | -271.2                              | 1,492.1      | 1,520.8                | 1,492.1                 | 28.71                     | 52.968             |          |
| 3,900.0                                                                          | 3,900.0               | 4,045.6               | 4,004.4               | 13.7             | 16.1          | 100.94                | -285.1                              | 1,482.2      | 1,511.7                | 1,482.2                 | 29.51                     | 51.235             |          |
| 4,000.0                                                                          | 3,999.8               | 4,143.4               | 4,100.7               | 14.1             | 16.5          | 101.62                | -299.0                              | 1,472.4      | 1,499.4                | 1,469.1                 | 30.29                     | 49.502             |          |
| 4,100.0                                                                          | 4,099.6               | 4,240.9               | 4,196.7               | 14.4             | 17.0          | 102.37                | -312.8                              | 1,462.6      | 1,485.6                | 1,454.5                 | 31.07                     | 47.807             |          |
| 4,200.0                                                                          | 4,199.4               | 4,338.4               | 4,292.8               | 14.8             | 17.4          | 103.14                | -326.6                              | 1,452.8      | 1,472.0                | 1,440.1                 | 31.86                     | 46.200             |          |
| 4,300.0                                                                          | 4,299.1               | 4,436.0               | 4,388.8               | 15.1             | 17.8          | 103.92                | -340.4                              | 1,442.9      | 1,458.5                | 1,425.9                 | 32.65                     | 44.673             |          |
| 4,400.0                                                                          | 4,398.9               | 4,533.5               | 4,484.9               | 15.5             | 18.3          | 104.71                | -354.2                              | 1,433.1      | 1,445.3                | 1,411.9                 | 33.44                     | 43.221             |          |
| 4,500.0                                                                          | 4,498.6               | 4,631.1               | 4,581.0               | 15.8             | 18.7          | 105.51                | -368.0                              | 1,423.3      | 1,432.3                | 1,398.1                 | 34.23                     | 41.840             |          |
| 4,600.0                                                                          | 4,598.5               | 4,728.8               | 4,677.2               | 16.2             | 19.2          | 106.32                | -381.8                              | 1,413.5      | 1,420.8                | 1,385.8                 | 35.03                     | 40.561             |          |
| 4,700.0                                                                          | 4,698.4               | 4,826.9               | 4,773.9               | 16.5             | 19.6          | 107.14                | -395.7                              | 1,403.6      | 1,412.0                | 1,376.2                 | 35.83                     | 39.410             |          |
| 4,766.7                                                                          | 4,765.1               | 4,907.5               | 4,838.5               | 16.8             | 20.0          | 107.97                | -405.0                              | 1,397.0      | 1,407.7                | 1,371.2                 | 36.43                     | 38.636             |          |
| 4,800.0                                                                          | 4,798.4               | 4,925.4               | 4,870.8               | 16.9             | 20.1          | 108.80                | -409.6                              | 1,393.7      | 1,405.8                | 1,369.2                 | 36.64                     | 38.370             |          |
| 4,900.0                                                                          | 4,898.4               | 5,023.8               | 4,967.8               | 17.2             | 20.5          | 109.63                | -423.6                              | 1,383.8      | 1,400.3                | 1,362.9                 | 37.45                     | 37.388             |          |
| 5,000.0                                                                          | 4,998.4               | 5,122.3               | 5,064.8               | 17.6             | 20.9          | 110.46                | -437.5                              | 1,373.8      | 1,395.0                | 1,356.8                 | 38.27                     | 36.453             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #501H - Wellbore #1 - BLM Plan #1 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-MWD                                                            |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 5,100.0                                                                          | 5,098.4               | 5,220.8               | 5,161.7               | 17.9             | 21.4          | 108.98                | -451.4                              | 1,363.9      | 1,390.0                | 1,350.9                 | 39.09                     | 35.562             |          |
| 5,200.0                                                                          | 5,198.4               | 5,319.3               | 5,258.7               | 18.3             | 21.8          | 109.66                | -465.4                              | 1,354.0      | 1,385.1                | 1,345.2                 | 39.90                     | 34.711             |          |
| 5,300.0                                                                          | 5,298.4               | 5,417.8               | 5,355.7               | 18.7             | 22.3          | 110.34                | -479.3                              | 1,344.1      | 1,380.4                | 1,339.7                 | 40.72                     | 33.899             |          |
| 5,400.0                                                                          | 5,398.4               | 5,516.2               | 5,452.7               | 19.0             | 22.7          | 111.03                | -493.2                              | 1,334.2      | 1,375.9                | 1,334.4                 | 41.54                     | 33.123             |          |
| 5,500.0                                                                          | 5,498.4               | 5,614.7               | 5,549.7               | 19.4             | 23.2          | 111.72                | -507.2                              | 1,324.3      | 1,371.6                | 1,329.3                 | 42.36                     | 32.382             |          |
| 5,600.0                                                                          | 5,598.4               | 5,713.2               | 5,646.7               | 19.7             | 23.6          | 112.42                | -521.1                              | 1,314.4      | 1,367.5                | 1,324.4                 | 43.18                     | 31.674             |          |
| 5,700.0                                                                          | 5,698.4               | 5,811.7               | 5,743.6               | 20.1             | 24.1          | 113.12                | -535.0                              | 1,304.4      | 1,363.7                | 1,319.7                 | 43.99                     | 30.997             |          |
| 5,766.7                                                                          | 5,765.1               | 5,877.3               | 5,808.3               | 20.3             | 24.4          | 113.59                | -544.3                              | 1,297.8      | 1,361.2                | 1,316.7                 | 44.54                     | 30.562             |          |
| 5,800.0                                                                          | 5,798.4               | 5,910.2               | 5,840.7               | 20.4             | 24.5          | -64.53                | -549.0                              | 1,294.5      | 1,359.9                | 1,315.1                 | 44.81                     | 30.351             |          |
| 5,900.0                                                                          | 5,898.4               | 6,009.0               | 5,938.0               | 20.8             | 25.0          | -64.01                | -563.0                              | 1,284.6      | 1,355.2                | 1,309.6                 | 45.59                     | 29.724             |          |
| 6,000.0                                                                          | 5,998.1               | 6,108.2               | 6,035.6               | 21.1             | 25.4          | -63.65                | -577.0                              | 1,274.6      | 1,349.1                | 1,302.7                 | 46.38                     | 29.090             |          |
| 6,100.0                                                                          | 6,097.7               | 6,207.6               | 6,133.5               | 21.4             | 25.9          | -63.43                | -591.0                              | 1,264.6      | 1,341.5                | 1,294.3                 | 47.16                     | 28.446             |          |
| 6,200.0                                                                          | 6,196.8               | 6,307.0               | 6,231.4               | 21.8             | 26.3          | -63.37                | -605.1                              | 1,254.6      | 1,332.4                | 1,284.4                 | 47.94                     | 27.793             |          |
| 6,229.5                                                                          | 6,225.9               | 6,336.3               | 6,260.3               | 21.8             | 26.5          | -63.38                | -609.3                              | 1,251.6      | 1,329.4                | 1,281.2                 | 48.17                     | 27.599             |          |
| 6,300.0                                                                          | 6,295.5               | 6,406.4               | 6,329.3               | 22.1             | 26.8          | -63.30                | -619.2                              | 1,244.6      | 1,322.1                | 1,273.4                 | 48.72                     | 27.137             |          |
| 6,400.0                                                                          | 6,394.2               | 6,505.8               | 6,427.3               | 22.4             | 27.2          | -63.18                | -633.2                              | 1,234.6      | 1,311.8                | 1,262.3                 | 49.50                     | 26.499             |          |
| 6,500.0                                                                          | 6,492.9               | 6,605.3               | 6,525.2               | 22.7             | 27.7          | -63.06                | -647.3                              | 1,224.6      | 1,301.4                | 1,251.2                 | 50.29                     | 25.880             |          |
| 6,600.0                                                                          | 6,591.6               | 6,704.7               | 6,623.1               | 23.1             | 28.1          | -62.93                | -661.4                              | 1,214.6      | 1,291.1                | 1,240.0                 | 51.08                     | 25.277             |          |
| 6,700.0                                                                          | 6,690.3               | 6,804.1               | 6,721.0               | 23.4             | 28.6          | -62.80                | -675.5                              | 1,204.5      | 1,280.8                | 1,228.9                 | 51.87                     | 24.692             |          |
| 6,800.0                                                                          | 6,789.0               | 6,903.6               | 6,818.9               | 23.8             | 29.0          | -62.68                | -689.5                              | 1,194.5      | 1,270.5                | 1,217.8                 | 52.67                     | 24.123             |          |
| 6,900.0                                                                          | 6,887.7               | 7,003.0               | 6,916.8               | 24.1             | 29.5          | -62.54                | -703.6                              | 1,184.5      | 1,260.2                | 1,206.7                 | 53.47                     | 23.570             |          |
| 7,000.0                                                                          | 6,986.4               | 7,102.4               | 7,014.8               | 24.5             | 29.9          | -62.41                | -717.7                              | 1,174.5      | 1,249.9                | 1,195.6                 | 54.27                     | 23.032             |          |
| 7,100.0                                                                          | 7,085.1               | 7,201.8               | 7,112.7               | 24.8             | 30.4          | -62.28                | -731.7                              | 1,164.5      | 1,239.6                | 1,184.5                 | 55.07                     | 22.509             |          |
| 7,200.0                                                                          | 7,183.8               | 7,301.3               | 7,210.6               | 25.2             | 30.9          | -62.14                | -745.8                              | 1,154.5      | 1,229.3                | 1,173.4                 | 55.88                     | 21.999             |          |
| 7,300.0                                                                          | 7,282.5               | 7,400.7               | 7,308.5               | 25.6             | 31.3          | -62.00                | -759.9                              | 1,144.5      | 1,219.0                | 1,162.3                 | 56.69                     | 21.504             |          |
| 7,400.0                                                                          | 7,381.2               | 7,500.1               | 7,406.4               | 25.9             | 31.8          | -61.86                | -773.9                              | 1,134.5      | 1,208.8                | 1,151.3                 | 57.50                     | 21.022             |          |
| 7,500.0                                                                          | 7,479.8               | 7,600.5               | 7,504.3               | 26.3             | 32.2          | -61.71                | -788.0                              | 1,124.5      | 1,198.5                | 1,140.2                 | 58.32                     | 20.551             |          |
| 7,600.0                                                                          | 7,578.5               | 7,701.0               | 7,602.2               | 26.7             | 32.7          | -61.57                | -802.1                              | 1,114.5      | 1,188.2                | 1,129.1                 | 59.14                     | 20.092             |          |
| 7,700.0                                                                          | 7,677.2               | 7,801.6               | 7,700.2               | 27.0             | 33.1          | -61.42                | -816.1                              | 1,104.5      | 1,178.0                | 1,118.0                 | 59.96                     | 19.646             |          |
| 7,800.0                                                                          | 7,775.9               | 7,902.2               | 7,798.1               | 27.4             | 33.6          | -61.26                | -830.2                              | 1,094.4      | 1,167.7                | 1,107.0                 | 60.79                     | 19.211             |          |
| 7,900.0                                                                          | 7,874.6               | 8,002.8               | 7,896.0               | 27.8             | 34.0          | -61.11                | -844.3                              | 1,084.4      | 1,157.5                | 1,095.9                 | 61.61                     | 18.787             |          |
| 8,000.0                                                                          | 7,973.3               | 8,103.3               | 7,993.9               | 28.2             | 34.5          | -60.95                | -858.3                              | 1,074.4      | 1,147.3                | 1,084.9                 | 62.44                     | 18.374             |          |
| 8,100.0                                                                          | 8,072.0               | 8,203.9               | 8,091.8               | 28.6             | 35.0          | -60.79                | -872.4                              | 1,064.4      | 1,137.1                | 1,073.8                 | 63.27                     | 17.971             |          |
| 8,200.0                                                                          | 8,170.7               | 8,294.8               | 8,189.1               | 28.9             | 35.4          | -60.63                | -886.3                              | 1,054.5      | 1,126.9                | 1,062.8                 | 64.06                     | 17.591             |          |
| 8,300.0                                                                          | 8,269.4               | 8,390.7               | 8,283.8               | 29.3             | 35.8          | -60.55                | -898.6                              | 1,045.8      | 1,116.9                | 1,052.0                 | 64.86                     | 17.221             |          |
| 8,400.0                                                                          | 8,368.1               | 8,486.7               | 8,378.9               | 29.7             | 36.2          | -60.60                | -908.9                              | 1,038.5      | 1,107.2                | 1,041.6                 | 65.64                     | 16.869             |          |
| 8,500.0                                                                          | 8,466.8               | 8,582.7               | 8,474.3               | 30.1             | 36.6          | -60.78                | -917.2                              | 1,032.5      | 1,097.9                | 1,031.5                 | 66.39                     | 16.537             |          |
| 8,600.0                                                                          | 8,565.5               | 8,678.4               | 8,569.8               | 30.5             | 36.9          | -61.08                | -923.6                              | 1,028.0      | 1,088.9                | 1,021.8                 | 67.13                     | 16.222             |          |
| 8,700.0                                                                          | 8,664.2               | 8,773.9               | 8,665.1               | 30.9             | 37.3          | -61.51                | -928.0                              | 1,024.8      | 1,080.3                | 1,012.5                 | 67.84                     | 15.926             |          |
| 8,800.0                                                                          | 8,762.9               | 8,869.0               | 8,760.1               | 31.3             | 37.6          | -62.07                | -930.5                              | 1,023.1      | 1,072.2                | 1,003.6                 | 68.52                     | 15.647             |          |
| 8,900.0                                                                          | 8,861.6               | 8,964.5               | 8,855.6               | 31.7             | 37.9          | -62.76                | -931.1                              | 1,022.7      | 1,064.5                | 995.3                   | 69.18                     | 15.388             |          |
| 9,000.0                                                                          | 8,960.3               | 9,050.0               | 8,941.1               | 32.1             | 38.1          | -63.42                | -931.3                              | 1,022.7      | 1,057.3                | 987.5                   | 69.78                     | 15.151             |          |
| 9,100.0                                                                          | 9,059.0               | 9,100.0               | 8,991.0               | 32.5             | 38.3          | -63.64                | -934.7                              | 1,022.7      | 1,053.3                | 983.1                   | 70.23                     | 14.999             |          |
| 9,146.2                                                                          | 9,104.6               | 9,132.9               | 9,023.6               | 32.6             | 38.4          | -63.68                | -939.3                              | 1,022.7      | 1,052.9                | 982.4                   | 70.49                     | 14.936 CC, ES      |          |
| 9,200.0                                                                          | 9,157.7               | 9,163.2               | 9,053.3               | 32.9             | 38.5          | -63.62                | -945.2                              | 1,022.8      | 1,053.5                | 982.7                   | 70.71                     | 14.898             |          |
| 9,300.0                                                                          | 9,256.4               | 9,218.7               | 9,106.8               | 33.3             | 38.8          | -63.32                | -960.0                              | 1,022.8      | 1,057.8                | 986.7                   | 71.06                     | 14.887 SF          |          |
| 9,400.0                                                                          | 9,355.1               | 9,272.7               | 9,157.1               | 33.7             | 39.1          | -62.78                | -979.3                              | 1,022.9      | 1,066.4                | 995.1                   | 71.29                     | 14.960             |          |
| 9,500.0                                                                          | 9,453.8               | 9,324.1               | 9,203.2               | 34.1             | 39.4          | -62.05                | -1,002.1                            | 1,023.1      | 1,079.5                | 1,008.2                 | 71.36                     | 15.127             |          |
| 9,600.0                                                                          | 9,552.5               | 9,372.4               | 9,244.5               | 34.5             | 39.7          | -61.18                | -1,027.1                            | 1,023.2      | 1,097.3                | 1,026.1                 | 71.25                     | 15.402             |          |
| 9,700.0                                                                          | 9,651.2               | 9,417.4               | 9,280.9               | 34.9             | 40.0          | -60.23                | -1,053.5                            | 1,023.4      | 1,119.9                | 1,049.0                 | 70.91                     | 15.794             |          |
| 9,800.0                                                                          | 9,749.9               | 9,450.0               | 9,306.0               | 35.3             | 40.2          | -59.47                | -1,074.3                            | 1,023.5      | 1,147.6                | 1,077.5                 | 70.11                     | 16.369             |          |
| 9,900.0                                                                          | 9,848.6               | 9,500.0               | 9,342.0               | 35.7             | 40.6          | -58.18                | -1,109.0                            | 1,023.7      | 1,180.2                | 1,110.6                 | 69.63                     | 16.951             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #501H - Wellbore #1 - BLM Plan #1 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-MWMD                                                           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 10,000.0                                                                         | 9,947.3               | 9,530.9               | 9,362.7               | 36.1             | 40.8          | -57.32                | -1,132.0                            | 1,023.8      | 1,217.9                | 1,149.3                 | 68.52                     | 17.774             |          |
| 10,100.0                                                                         | 10,046.0              | 9,550.0               | 9,374.9               | 36.5             | 41.0          | -56.77                | -1,146.7                            | 1,023.9      | 1,260.5                | 1,193.5                 | 66.96                     | 18.823             |          |
| 10,200.0                                                                         | 10,144.7              | 9,600.0               | 9,404.3               | 36.9             | 41.4          | -55.27                | -1,187.1                            | 1,024.2      | 1,307.5                | 1,241.2                 | 66.25                     | 19.736             |          |
| 10,300.0                                                                         | 10,243.4              | 9,616.2               | 9,413.1               | 37.3             | 41.5          | -54.77                | -1,200.7                            | 1,024.2      | 1,358.8                | 1,294.3                 | 64.52                     | 21.060             |          |
| 10,400.0                                                                         | 10,342.1              | 9,650.0               | 9,430.1               | 37.7             | 41.8          | -53.70                | -1,229.9                            | 1,024.4      | 1,414.4                | 1,351.1                 | 63.31                     | 22.343             |          |
| 10,500.0                                                                         | 10,440.8              | 9,650.0               | 9,430.1               | 38.1             | 41.8          | -53.70                | -1,229.9                            | 1,024.4      | 1,473.7                | 1,412.6                 | 61.15                     | 24.101             |          |
| 10,600.0                                                                         | 10,539.5              | 9,679.9               | 9,443.7               | 38.5             | 42.1          | -52.73                | -1,256.5                            | 1,024.6      | 1,536.3                | 1,476.4                 | 59.91                     | 25.645             |          |
| 10,700.0                                                                         | 10,638.2              | 9,700.0               | 9,452.1               | 39.0             | 42.3          | -52.08                | -1,274.8                            | 1,024.7      | 1,602.1                | 1,543.7                 | 58.45                     | 27.411             |          |
| 10,800.0                                                                         | 10,736.9              | 9,700.0               | 9,452.1               | 39.4             | 42.3          | -52.08                | -1,274.8                            | 1,024.7      | 1,671.0                | 1,614.5                 | 56.53                     | 29.559             |          |
| 10,900.0                                                                         | 10,835.6              | 9,728.2               | 9,462.7               | 39.8             | 42.5          | -51.16                | -1,300.9                            | 1,024.8      | 1,742.0                | 1,686.6                 | 55.47                     | 31.405             |          |
| 11,000.0                                                                         | 10,934.3              | 9,750.0               | 9,470.1               | 40.2             | 42.7          | -50.44                | -1,321.4                            | 1,024.9      | 1,815.7                | 1,761.4                 | 54.32                     | 33.424             |          |
| 11,100.0                                                                         | 11,033.0              | 9,750.0               | 9,470.1               | 40.6             | 42.7          | -50.44                | -1,321.4                            | 1,024.9      | 1,891.3                | 1,838.6                 | 52.73                     | 35.871             |          |
| 11,200.0                                                                         | 11,131.7              | 9,750.0               | 9,470.1               | 41.0             | 42.7          | -50.44                | -1,321.4                            | 1,024.9      | 1,969.1                | 1,917.9                 | 51.25                     | 38.423             |          |
| 11,300.0                                                                         | 11,230.4              | 9,776.3               | 9,477.9               | 41.4             | 43.0          | -49.58                | -1,346.5                            | 1,025.1      | 2,048.1                | 1,997.6                 | 50.50                     | 40.560             |          |
| 11,400.0                                                                         | 11,329.1              | 9,800.0               | 9,483.9               | 41.9             | 43.2          | -48.80                | -1,369.4                            | 1,025.2      | 2,129.1                | 2,079.4                 | 49.76                     | 42.789             |          |
| 11,500.0                                                                         | 11,427.8              | 9,800.0               | 9,483.9               | 42.3             | 43.2          | -48.80                | -1,369.4                            | 1,025.2      | 2,211.2                | 2,162.6                 | 48.58                     | 45.513             |          |
| 11,535.3                                                                         | 11,462.6              | 9,800.0               | 9,483.9               | 42.4             | 43.2          | -48.80                | -1,369.4                            | 1,025.2      | 2,240.5                | 2,192.3                 | 48.19                     | 46.490             |          |
| 11,600.0                                                                         | 11,526.5              | 9,800.0               | 9,483.9               | 42.7             | 43.2          | -49.94                | -1,369.4                            | 1,025.2      | 2,294.8                | 2,247.3                 | 47.52                     | 48.297             |          |
| 11,700.0                                                                         | 11,625.7              | 9,800.0               | 9,483.9               | 43.1             | 43.2          | -51.88                | -1,369.4                            | 1,025.2      | 2,380.5                | 2,334.0                 | 46.57                     | 51.120             |          |
| 11,800.0                                                                         | 11,725.1              | 9,800.0               | 9,483.9               | 43.5             | 43.2          | -54.05                | -1,369.4                            | 1,025.2      | 2,468.1                | 2,422.4                 | 45.74                     | 53.965             |          |
| 11,900.0                                                                         | 11,824.8              | 9,822.9               | 9,488.9               | 43.9             | 43.4          | -55.54                | -1,391.8                            | 1,025.4      | 2,556.8                | 2,511.3                 | 45.44                     | 56.262             |          |
| 12,000.0                                                                         | 11,924.7              | 9,827.5               | 9,489.7               | 44.2             | 43.5          | -57.99                | -1,396.3                            | 1,025.4      | 2,647.1                | 2,602.2                 | 44.89                     | 58.965             |          |
| 12,100.0                                                                         | 12,024.6              | 9,850.0               | 9,493.5               | 44.6             | 43.7          | -59.89                | -1,418.5                            | 1,025.5      | 2,738.9                | 2,694.2                 | 44.75                     | 61.209             |          |
| 12,152.4                                                                         | 12,077.0              | 9,850.0               | 9,493.5               | 44.7             | 43.7          | 116.81                | -1,418.5                            | 1,025.5      | 2,787.2                | 2,742.7                 | 44.49                     | 62.646             |          |
| 12,200.0                                                                         | 12,124.6              | 9,850.0               | 9,493.5               | 44.9             | 43.7          | -57.34                | -1,418.5                            | 1,025.5      | 2,831.0                | 2,786.7                 | 44.26                     | 63.965             |          |
| 12,250.0                                                                         | 12,174.2              | 9,850.0               | 9,493.5               | 45.1             | 43.7          | -48.95                | -1,418.5                            | 1,025.5      | 2,876.1                | 2,832.1                 | 43.99                     | 65.377             |          |
| 12,300.0                                                                         | 12,223.0              | 9,850.0               | 9,493.5               | 45.3             | 43.7          | -42.31                | -1,418.5                            | 1,025.5      | 2,920.2                | 2,876.5                 | 43.71                     | 66.808             |          |
| 12,350.0                                                                         | 12,270.7              | 9,850.0               | 9,493.5               | 45.6             | 43.7          | -37.09                | -1,418.5                            | 1,025.5      | 2,962.8                | 2,919.4                 | 43.41                     | 68.249             |          |
| 12,400.0                                                                         | 12,317.0              | 9,850.0               | 9,493.5               | 45.8             | 43.7          | -32.98                | -1,418.5                            | 1,025.5      | 3,003.8                | 2,960.7                 | 43.10                     | 69.689             |          |
| 12,450.0                                                                         | 12,361.4              | 9,850.0               | 9,493.5               | 46.1             | 43.7          | -29.72                | -1,418.5                            | 1,025.5      | 3,042.9                | 3,000.1                 | 42.79                     | 71.120             |          |
| 12,500.0                                                                         | 12,403.7              | 9,850.0               | 9,493.5               | 46.4             | 43.7          | -27.10                | -1,418.5                            | 1,025.5      | 3,079.9                | 3,037.4                 | 42.46                     | 72.531             |          |
| 12,550.0                                                                         | 12,443.5              | 9,850.0               | 9,493.5               | 46.7             | 43.7          | -24.98                | -1,418.5                            | 1,025.5      | 3,114.6                | 3,072.4                 | 42.14                     | 73.910             |          |
| 12,600.0                                                                         | 12,480.5              | 9,870.9               | 9,496.3               | 47.1             | 43.9          | -23.18                | -1,439.2                            | 1,025.6      | 3,146.3                | 3,104.2                 | 42.12                     | 74.691             |          |
| 12,650.0                                                                         | 12,514.4              | 9,877.3               | 9,497.0               | 47.4             | 43.9          | -21.78                | -1,445.6                            | 1,025.7      | 3,175.5                | 3,133.6                 | 41.89                     | 75.801             |          |
| 12,700.0                                                                         | 12,545.0              | 9,900.0               | 9,498.8               | 47.8             | 44.2          | -20.61                | -1,468.2                            | 1,025.8      | 3,202.1                | 3,160.2                 | 41.89                     | 76.438             |          |
| 12,750.0                                                                         | 12,572.0              | 9,900.0               | 9,498.8               | 48.1             | 44.2          | -19.71                | -1,468.2                            | 1,025.8      | 3,225.2                | 3,183.6                 | 41.58                     | 77.563             |          |
| 12,800.0                                                                         | 12,595.3              | 9,900.0               | 9,498.8               | 48.5             | 44.2          | -18.99                | -1,468.2                            | 1,025.8      | 3,245.2                | 3,203.9                 | 41.29                     | 78.595             |          |
| 12,850.0                                                                         | 12,614.6              | 9,900.0               | 9,498.8               | 48.9             | 44.2          | -18.41                | -1,468.2                            | 1,025.8      | 3,262.1                | 3,221.0                 | 41.02                     | 79.520             |          |
| 12,900.0                                                                         | 12,629.8              | 9,900.0               | 9,498.8               | 49.3             | 44.2          | -17.97                | -1,468.2                            | 1,025.8      | 3,275.7                | 3,234.9                 | 40.78                     | 80.324             |          |
| 12,950.0                                                                         | 12,640.8              | 9,920.5               | 9,499.8               | 49.7             | 44.4          | -17.66                | -1,488.6                            | 1,025.9      | 3,285.5                | 3,244.7                 | 40.81                     | 80.512             |          |
| 13,000.0                                                                         | 12,647.6              | 9,935.9               | 9,500.0               | 50.1             | 44.5          | -17.47                | -1,504.0                            | 1,026.0      | 3,292.2                | 3,251.4                 | 40.79                     | 80.701             |          |
| 13,052.4                                                                         | 12,650.0              | 9,937.8               | 9,500.0               | 50.5             | 44.5          | -17.38                | -1,505.9                            | 1,026.0      | 3,295.2                | 3,254.6                 | 40.65                     | 81.056             |          |
| 13,100.0                                                                         | 12,650.0              | 9,985.3               | 9,500.0               | 50.9             | 45.0          | -17.45                | -1,553.4                            | 1,026.3      | 3,296.2                | 3,255.1                 | 41.04                     | 80.322             |          |
| 13,200.0                                                                         | 12,650.0              | 10,085.2              | 9,500.0               | 51.8             | 46.0          | -17.54                | -1,653.3                            | 1,026.9      | 3,297.4                | 3,255.6                 | 41.86                     | 78.781             |          |
| 13,267.5                                                                         | 12,650.0              | 10,152.7              | 9,500.0               | 52.4             | 46.7          | -17.56                | -1,720.9                            | 1,027.3      | 3,297.6                | 3,255.2                 | 42.42                     | 77.745             |          |
| 13,300.0                                                                         | 12,650.0              | 10,185.2              | 9,500.0               | 52.7             | 47.1          | -17.56                | -1,753.3                            | 1,027.5      | 3,297.6                | 3,255.0                 | 42.69                     | 77.251             |          |
| 13,400.0                                                                         | 12,650.0              | 10,285.2              | 9,500.0               | 53.6             | 48.2          | -17.56                | -1,853.3                            | 1,028.1      | 3,297.6                | 3,254.1                 | 43.57                     | 75.691             |          |
| 13,500.0                                                                         | 12,650.0              | 10,385.2              | 9,500.0               | 54.6             | 49.3          | -17.56                | -1,953.3                            | 1,028.6      | 3,297.6                | 3,253.1                 | 44.50                     | 74.099             |          |
| 13,600.0                                                                         | 12,650.0              | 10,485.2              | 9,500.0               | 55.6             | 50.4          | -17.56                | -2,053.3                            | 1,029.2      | 3,297.6                | 3,252.1                 | 45.49                     | 72.489             |          |
| 13,700.0                                                                         | 12,650.0              | 10,585.2              | 9,500.0               | 56.6             | 51.6          | -17.56                | -2,153.3                            | 1,029.8      | 3,297.6                | 3,251.1                 | 46.53                     | 70.874             |          |
| 13,800.0                                                                         | 12,650.0              | 10,685.2              | 9,500.0               | 57.6             | 52.8          | -17.56                | -2,253.3                            | 1,030.4      | 3,297.6                | 3,250.0                 | 47.61                     | 69.263             |          |
| 13,900.0                                                                         | 12,650.0              | 10,785.2              | 9,500.0               | 58.7             | 54.0          | -17.56                | -2,353.3                            | 1,031.0      | 3,297.6                | 3,248.9                 | 48.73                     | 67.665             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #501H - Wellbore #1 - BLM Plan #1 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-MWMD                                                           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 14,000.0                                                                         | 12,650.0              | 10,885.2              | 9,500.0               | 59.8             | 55.3          | -17.55                | -2,453.3                            | 1,031.6      | 3,297.6                | 3,247.7                 | 49.90                     | 66.087             |          |
| 14,100.0                                                                         | 12,650.0              | 10,985.2              | 9,500.0               | 61.0             | 56.5          | -17.55                | -2,553.3                            | 1,032.1      | 3,297.6                | 3,246.5                 | 51.10                     | 64.536             |          |
| 14,200.0                                                                         | 12,650.0              | 11,085.2              | 9,500.0               | 62.1             | 57.8          | -17.55                | -2,653.3                            | 1,032.7      | 3,297.6                | 3,245.2                 | 52.33                     | 63.014             |          |
| 14,300.0                                                                         | 12,650.0              | 11,185.2              | 9,500.0               | 63.3             | 59.1          | -17.55                | -2,753.3                            | 1,033.3      | 3,297.5                | 3,244.0                 | 53.59                     | 61.527             |          |
| 14,400.0                                                                         | 12,650.0              | 11,285.2              | 9,500.0               | 64.5             | 60.5          | -17.55                | -2,853.3                            | 1,033.9      | 3,297.5                | 3,242.7                 | 54.89                     | 60.077             |          |
| 14,500.0                                                                         | 12,650.0              | 11,385.2              | 9,500.0               | 65.7             | 61.8          | -17.55                | -2,953.3                            | 1,034.5      | 3,297.5                | 3,241.3                 | 56.21                     | 58.665             |          |
| 14,600.0                                                                         | 12,650.0              | 11,485.2              | 9,500.0               | 67.0             | 63.2          | -17.55                | -3,053.3                            | 1,035.1      | 3,297.5                | 3,240.0                 | 57.56                     | 57.292             |          |
| 14,700.0                                                                         | 12,650.0              | 11,585.2              | 9,500.0               | 68.2             | 64.5          | -17.55                | -3,153.3                            | 1,035.6      | 3,297.5                | 3,238.6                 | 58.93                     | 55.960             |          |
| 14,800.0                                                                         | 12,650.0              | 11,685.2              | 9,500.0               | 69.5             | 65.9          | -17.55                | -3,253.3                            | 1,036.2      | 3,297.5                | 3,237.2                 | 60.32                     | 54.669             |          |
| 14,900.0                                                                         | 12,650.0              | 11,785.2              | 9,500.0               | 70.8             | 67.3          | -17.55                | -3,353.3                            | 1,036.8      | 3,297.5                | 3,235.8                 | 61.73                     | 53.418             |          |
| 15,000.0                                                                         | 12,650.0              | 11,885.2              | 9,500.0               | 72.1             | 68.7          | -17.55                | -3,453.3                            | 1,037.4      | 3,297.5                | 3,234.3                 | 63.16                     | 52.207             |          |
| 15,100.0                                                                         | 12,650.0              | 11,985.2              | 9,500.0               | 73.4             | 70.1          | -17.55                | -3,553.3                            | 1,038.0      | 3,297.5                | 3,232.9                 | 64.61                     | 51.036             |          |
| 15,200.0                                                                         | 12,650.0              | 12,085.2              | 9,500.0               | 74.8             | 71.6          | -17.55                | -3,653.3                            | 1,038.6      | 3,297.5                | 3,231.4                 | 66.08                     | 49.903             |          |
| 15,300.0                                                                         | 12,650.0              | 12,185.2              | 9,500.0               | 76.1             | 73.0          | -17.55                | -3,753.3                            | 1,039.1      | 3,297.5                | 3,229.9                 | 67.56                     | 48.809             |          |
| 15,400.0                                                                         | 12,650.0              | 12,285.2              | 9,500.0               | 77.5             | 74.4          | -17.55                | -3,853.3                            | 1,039.7      | 3,297.4                | 3,228.4                 | 69.06                     | 47.751             |          |
| 15,500.0                                                                         | 12,650.0              | 12,385.2              | 9,500.0               | 78.8             | 75.9          | -17.55                | -3,953.3                            | 1,040.3      | 3,297.4                | 3,226.9                 | 70.57                     | 46.729             |          |
| 15,600.0                                                                         | 12,650.0              | 12,485.2              | 9,500.0               | 80.2             | 77.4          | -17.55                | -4,053.3                            | 1,040.9      | 3,297.4                | 3,225.3                 | 72.09                     | 45.742             |          |
| 15,700.0                                                                         | 12,650.0              | 12,585.2              | 9,500.0               | 81.6             | 78.8          | -17.55                | -4,153.3                            | 1,041.5      | 3,297.4                | 3,223.8                 | 73.62                     | 44.788             |          |
| 15,800.0                                                                         | 12,650.0              | 12,685.2              | 9,500.0               | 83.0             | 80.3          | -17.55                | -4,253.3                            | 1,042.1      | 3,297.4                | 3,222.2                 | 75.17                     | 43.866             |          |
| 15,900.0                                                                         | 12,650.0              | 12,785.2              | 9,500.0               | 84.4             | 81.8          | -17.54                | -4,353.3                            | 1,042.6      | 3,297.4                | 3,220.7                 | 76.73                     | 42.976             |          |
| 16,000.0                                                                         | 12,650.0              | 12,885.2              | 9,500.0               | 85.9             | 83.3          | -17.54                | -4,453.3                            | 1,043.2      | 3,297.4                | 3,219.1                 | 78.29                     | 42.115             |          |
| 16,100.0                                                                         | 12,650.0              | 12,985.2              | 9,500.0               | 87.3             | 84.8          | -17.54                | -4,553.3                            | 1,043.8      | 3,297.4                | 3,217.5                 | 79.87                     | 41.284             |          |
| 16,200.0                                                                         | 12,650.0              | 13,085.2              | 9,500.0               | 88.7             | 86.3          | -17.54                | -4,653.3                            | 1,044.4      | 3,297.4                | 3,215.9                 | 81.46                     | 40.480             |          |
| 16,300.0                                                                         | 12,650.0              | 13,185.2              | 9,500.0               | 90.2             | 87.8          | -17.54                | -4,753.3                            | 1,045.0      | 3,297.4                | 3,214.3                 | 83.05                     | 39.703             |          |
| 16,400.0                                                                         | 12,650.0              | 13,285.2              | 9,500.0               | 91.6             | 89.3          | -17.54                | -4,853.3                            | 1,045.6      | 3,297.4                | 3,212.7                 | 84.65                     | 38.951             |          |
| 16,500.0                                                                         | 12,650.0              | 13,385.2              | 9,500.0               | 93.1             | 90.8          | -17.54                | -4,953.3                            | 1,046.1      | 3,297.3                | 3,211.1                 | 86.26                     | 38.224             |          |
| 16,600.0                                                                         | 12,650.0              | 13,485.2              | 9,500.0               | 94.5             | 92.3          | -17.54                | -5,053.3                            | 1,046.7      | 3,297.3                | 3,209.5                 | 87.88                     | 37.521             |          |
| 16,700.0                                                                         | 12,650.0              | 13,585.2              | 9,500.0               | 96.0             | 93.9          | -17.54                | -5,153.3                            | 1,047.3      | 3,297.3                | 3,207.8                 | 89.50                     | 36.840             |          |
| 16,800.0                                                                         | 12,650.0              | 13,685.2              | 9,500.0               | 97.5             | 95.4          | -17.54                | -5,253.3                            | 1,047.9      | 3,297.3                | 3,206.2                 | 91.13                     | 36.181             |          |
| 16,900.0                                                                         | 12,650.0              | 13,785.2              | 9,500.0               | 99.0             | 96.9          | -17.54                | -5,353.3                            | 1,048.5      | 3,297.3                | 3,204.5                 | 92.77                     | 35.542             |          |
| 17,000.0                                                                         | 12,650.0              | 13,885.2              | 9,500.0               | 100.5            | 98.5          | -17.54                | -5,453.3                            | 1,049.1      | 3,297.3                | 3,202.9                 | 94.41                     | 34.924             |          |
| 17,100.0                                                                         | 12,650.0              | 13,985.2              | 9,500.0               | 101.9            | 100.0         | -17.54                | -5,553.3                            | 1,049.6      | 3,297.3                | 3,201.2                 | 96.06                     | 34.325             |          |
| 17,200.0                                                                         | 12,650.0              | 14,085.2              | 9,500.0               | 103.4            | 101.6         | -17.54                | -5,653.3                            | 1,050.2      | 3,297.3                | 3,199.6                 | 97.71                     | 33.744             |          |
| 17,300.0                                                                         | 12,650.0              | 14,185.2              | 9,500.0               | 104.9            | 103.1         | -17.54                | -5,753.3                            | 1,050.8      | 3,297.3                | 3,197.9                 | 99.37                     | 33.181             |          |
| 17,400.0                                                                         | 12,650.0              | 14,285.2              | 9,500.0               | 106.5            | 104.7         | -17.54                | -5,853.3                            | 1,051.4      | 3,297.3                | 3,196.2                 | 101.03                    | 32.635             |          |
| 17,500.0                                                                         | 12,650.0              | 14,385.2              | 9,500.0               | 108.0            | 106.2         | -17.54                | -5,953.3                            | 1,052.0      | 3,297.3                | 3,194.5                 | 102.70                    | 32.105             |          |
| 17,600.0                                                                         | 12,650.0              | 14,485.2              | 9,500.0               | 109.5            | 107.8         | -17.54                | -6,053.3                            | 1,052.6      | 3,297.2                | 3,192.9                 | 104.37                    | 31.591             |          |
| 17,700.0                                                                         | 12,650.0              | 14,585.2              | 9,500.0               | 111.0            | 109.4         | -17.54                | -6,153.3                            | 1,053.1      | 3,297.2                | 3,191.2                 | 106.05                    | 31.092             |          |
| 17,800.0                                                                         | 12,650.0              | 14,685.2              | 9,500.0               | 112.5            | 110.9         | -17.53                | -6,253.3                            | 1,053.7      | 3,297.2                | 3,189.5                 | 107.73                    | 30.607             |          |
| 17,900.0                                                                         | 12,650.0              | 14,785.2              | 9,500.0               | 114.1            | 112.5         | -17.53                | -6,353.3                            | 1,054.3      | 3,297.2                | 3,187.8                 | 109.41                    | 30.136             |          |
| 18,000.0                                                                         | 12,650.0              | 14,885.2              | 9,500.0               | 115.6            | 114.1         | -17.53                | -6,453.3                            | 1,054.9      | 3,297.2                | 3,186.1                 | 111.10                    | 29.679             |          |
| 18,100.0                                                                         | 12,650.0              | 14,985.2              | 9,500.0               | 117.1            | 115.7         | -17.53                | -6,553.3                            | 1,055.5      | 3,297.2                | 3,184.4                 | 112.79                    | 29.234             |          |
| 18,200.0                                                                         | 12,650.0              | 15,085.2              | 9,500.0               | 118.7            | 117.2         | -17.53                | -6,653.3                            | 1,056.1      | 3,297.2                | 3,182.7                 | 114.48                    | 28.801             |          |
| 18,300.0                                                                         | 12,650.0              | 15,185.2              | 9,500.0               | 120.2            | 118.8         | -17.53                | -6,753.2                            | 1,056.6      | 3,297.2                | 3,181.0                 | 116.18                    | 28.381             |          |
| 18,400.0                                                                         | 12,650.0              | 15,285.2              | 9,500.0               | 121.8            | 120.4         | -17.53                | -6,853.2                            | 1,057.2      | 3,297.2                | 3,179.3                 | 117.88                    | 27.971             |          |
| 18,500.0                                                                         | 12,650.0              | 15,385.2              | 9,500.0               | 123.3            | 122.0         | -17.53                | -6,953.2                            | 1,057.8      | 3,297.2                | 3,177.6                 | 119.58                    | 27.573             |          |
| 18,600.0                                                                         | 12,650.0              | 15,485.2              | 9,500.0               | 124.9            | 123.6         | -17.53                | -7,053.2                            | 1,058.4      | 3,297.1                | 3,175.9                 | 121.28                    | 27.185             |          |
| 18,700.0                                                                         | 12,650.0              | 15,585.2              | 9,500.0               | 126.4            | 125.1         | -17.53                | -7,153.2                            | 1,059.0      | 3,297.1                | 3,174.1                 | 122.99                    | 26.808             |          |
| 18,800.0                                                                         | 12,650.0              | 15,685.2              | 9,500.0               | 128.0            | 126.7         | -17.53                | -7,253.2                            | 1,059.6      | 3,297.1                | 3,172.4                 | 124.70                    | 26.440             |          |
| 18,900.0                                                                         | 12,650.0              | 15,785.2              | 9,500.0               | 129.5            | 128.3         | -17.53                | -7,353.2                            | 1,060.1      | 3,297.1                | 3,170.7                 | 126.41                    | 26.082             |          |
| 19,000.0                                                                         | 12,650.0              | 15,885.2              | 9,500.0               | 131.1            | 129.9         | -17.53                | -7,453.2                            | 1,060.7      | 3,297.1                | 3,169.0                 | 128.13                    | 25.733             |          |
| 19,100.0                                                                         | 12,650.0              | 15,985.2              | 9,500.0               | 132.6            | 131.5         | -17.53                | -7,553.2                            | 1,061.3      | 3,297.1                | 3,167.3                 | 129.85                    | 25.392             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #501H - Wellbore #1 - BLM Plan #1 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 0-MWD                                                            |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   |                    | Warning  |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 19,200.0                                                                         | 12,650.0              | 16,085.2              | 9,500.0               | 134.2            | 133.1         | -17.53                | -7,653.2                            | 1,061.9      | 3,297.1                | 3,165.5                 | 131.56                    | 25.061            |                    |          |
| 19,300.0                                                                         | 12,650.0              | 16,185.2              | 9,500.0               | 135.8            | 134.7         | -17.53                | -7,753.2                            | 1,062.5      | 3,297.1                | 3,163.8                 | 133.29                    | 24.737            |                    |          |
| 19,400.0                                                                         | 12,650.0              | 16,285.2              | 9,500.0               | 137.3            | 136.3         | -17.53                | -7,853.2                            | 1,063.1      | 3,297.1                | 3,162.1                 | 135.01                    | 24.421            |                    |          |
| 19,500.0                                                                         | 12,650.0              | 16,385.2              | 9,500.0               | 138.9            | 137.9         | -17.53                | -7,953.2                            | 1,063.7      | 3,297.1                | 3,160.3                 | 136.73                    | 24.113            |                    |          |
| 19,600.0                                                                         | 12,650.0              | 16,485.2              | 9,500.0               | 140.5            | 139.5         | -17.52                | -8,053.2                            | 1,064.2      | 3,297.1                | 3,158.6                 | 138.46                    | 23.812            |                    |          |
| 19,700.0                                                                         | 12,650.0              | 16,585.2              | 9,500.0               | 142.1            | 141.1         | -17.52                | -8,153.2                            | 1,064.8      | 3,297.0                | 3,156.9                 | 140.19                    | 23.518            |                    |          |
| 19,800.0                                                                         | 12,650.0              | 16,685.2              | 9,500.0               | 143.6            | 142.7         | -17.52                | -8,253.2                            | 1,065.4      | 3,297.0                | 3,155.1                 | 141.92                    | 23.232            |                    |          |
| 19,900.0                                                                         | 12,650.0              | 16,785.2              | 9,500.0               | 145.2            | 144.3         | -17.52                | -8,353.2                            | 1,066.0      | 3,297.0                | 3,153.4                 | 143.65                    | 22.951            |                    |          |
| 20,000.0                                                                         | 12,650.0              | 16,885.2              | 9,500.0               | 146.8            | 145.9         | -17.52                | -8,453.2                            | 1,066.6      | 3,297.0                | 3,151.6                 | 145.39                    | 22.678            |                    |          |
| 20,100.0                                                                         | 12,650.0              | 16,985.2              | 9,500.0               | 148.4            | 147.5         | -17.52                | -8,553.2                            | 1,067.2      | 3,297.0                | 3,149.9                 | 147.12                    | 22.410            |                    |          |
| 20,200.0                                                                         | 12,650.0              | 17,085.2              | 9,500.0               | 150.0            | 149.1         | -17.52                | -8,653.2                            | 1,067.7      | 3,297.0                | 3,148.1                 | 148.86                    | 22.149            |                    |          |
| 20,300.0                                                                         | 12,650.0              | 17,185.2              | 9,500.0               | 151.6            | 150.7         | -17.52                | -8,753.2                            | 1,068.3      | 3,297.0                | 3,146.4                 | 150.60                    | 21.893            |                    |          |
| 20,400.0                                                                         | 12,650.0              | 17,285.2              | 9,500.0               | 153.2            | 152.4         | -17.52                | -8,853.2                            | 1,068.9      | 3,297.0                | 3,144.6                 | 152.34                    | 21.643            |                    |          |
| 20,500.0                                                                         | 12,650.0              | 17,385.2              | 9,500.0               | 154.7            | 154.0         | -17.52                | -8,953.2                            | 1,069.5      | 3,297.0                | 3,142.9                 | 154.08                    | 21.398            |                    |          |
| 20,600.0                                                                         | 12,650.0              | 17,485.2              | 9,500.0               | 156.3            | 155.6         | -17.52                | -9,053.2                            | 1,070.1      | 3,297.0                | 3,141.1                 | 155.82                    | 21.159            |                    |          |
| 20,700.0                                                                         | 12,650.0              | 17,585.2              | 9,500.0               | 157.9            | 157.2         | -17.52                | -9,153.2                            | 1,070.7      | 3,297.0                | 3,139.4                 | 157.56                    | 20.925            |                    |          |
| 20,800.0                                                                         | 12,650.0              | 17,685.2              | 9,500.0               | 159.5            | 158.8         | -17.52                | -9,253.2                            | 1,071.2      | 3,296.9                | 3,137.6                 | 159.31                    | 20.696            |                    |          |
| 20,900.0                                                                         | 12,650.0              | 17,785.2              | 9,500.0               | 161.1            | 160.4         | -17.52                | -9,353.2                            | 1,071.8      | 3,296.9                | 3,135.9                 | 161.05                    | 20.471            |                    |          |
| 21,000.0                                                                         | 12,650.0              | 17,885.2              | 9,500.0               | 162.7            | 162.0         | -17.52                | -9,453.2                            | 1,072.4      | 3,296.9                | 3,134.1                 | 162.80                    | 20.252            |                    |          |
| 21,100.0                                                                         | 12,650.0              | 17,985.2              | 9,500.0               | 164.3            | 163.7         | -17.52                | -9,553.2                            | 1,073.0      | 3,296.9                | 3,132.4                 | 164.55                    | 20.036            |                    |          |
| 21,200.0                                                                         | 12,650.0              | 18,085.2              | 9,500.0               | 165.9            | 165.3         | -17.52                | -9,653.2                            | 1,073.6      | 3,296.9                | 3,130.6                 | 166.30                    | 19.826            |                    |          |
| 21,300.0                                                                         | 12,650.0              | 18,185.2              | 9,500.0               | 167.5            | 166.9         | -17.52                | -9,753.2                            | 1,074.2      | 3,296.9                | 3,128.9                 | 168.05                    | 19.619            |                    |          |
| 21,400.0                                                                         | 12,650.0              | 18,285.2              | 9,500.0               | 169.1            | 168.5         | -17.52                | -9,853.2                            | 1,074.7      | 3,296.9                | 3,127.1                 | 169.80                    | 19.417            |                    |          |
| 21,500.0                                                                         | 12,650.0              | 18,385.2              | 9,500.0               | 170.7            | 170.1         | -17.51                | -9,953.2                            | 1,075.3      | 3,296.9                | 3,125.3                 | 171.55                    | 19.218            |                    |          |
| 21,600.0                                                                         | 12,650.0              | 18,485.2              | 9,500.0               | 172.3            | 171.7         | -17.51                | -10,053.2                           | 1,075.9      | 3,296.9                | 3,123.6                 | 173.30                    | 19.024            |                    |          |
| 21,700.0                                                                         | 12,650.0              | 18,585.2              | 9,500.0               | 173.9            | 173.4         | -17.51                | -10,153.2                           | 1,076.5      | 3,296.9                | 3,121.8                 | 175.05                    | 18.833            |                    |          |
| 21,800.0                                                                         | 12,650.0              | 18,685.2              | 9,500.0               | 175.5            | 175.0         | -17.51                | -10,253.2                           | 1,077.1      | 3,296.9                | 3,120.0                 | 176.81                    | 18.646            |                    |          |
| 21,900.0                                                                         | 12,650.0              | 18,785.2              | 9,500.0               | 177.1            | 176.6         | -17.51                | -10,353.2                           | 1,077.7      | 3,296.8                | 3,118.3                 | 178.56                    | 18.463            |                    |          |
| 22,000.0                                                                         | 12,650.0              | 18,885.2              | 9,500.0               | 178.7            | 178.2         | -17.51                | -10,453.2                           | 1,078.2      | 3,296.8                | 3,116.5                 | 180.32                    | 18.283            |                    |          |
| 22,100.0                                                                         | 12,650.0              | 18,985.2              | 9,500.0               | 180.3            | 179.9         | -17.51                | -10,553.2                           | 1,078.8      | 3,296.8                | 3,114.7                 | 182.08                    | 18.107            |                    |          |
| 22,200.0                                                                         | 12,650.0              | 19,085.2              | 9,500.0               | 182.0            | 181.5         | -17.51                | -10,653.2                           | 1,079.4      | 3,296.8                | 3,113.0                 | 183.84                    | 17.933            |                    |          |
| 22,300.0                                                                         | 12,650.0              | 19,185.2              | 9,500.0               | 183.6            | 183.1         | -17.51                | -10,753.2                           | 1,080.0      | 3,296.8                | 3,111.2                 | 185.59                    | 17.763            |                    |          |
| 22,400.0                                                                         | 12,650.0              | 19,285.2              | 9,500.0               | 185.2            | 184.7         | -17.51                | -10,853.2                           | 1,080.6      | 3,296.8                | 3,109.4                 | 187.35                    | 17.597            |                    |          |
| 22,500.0                                                                         | 12,650.0              | 19,385.2              | 9,500.0               | 186.8            | 186.4         | -17.51                | -10,953.2                           | 1,081.2      | 3,296.8                | 3,107.7                 | 189.11                    | 17.433            |                    |          |
| 22,600.0                                                                         | 12,650.0              | 19,485.2              | 9,500.0               | 188.4            | 188.0         | -17.51                | -11,053.2                           | 1,081.7      | 3,296.8                | 3,105.9                 | 190.87                    | 17.272            |                    |          |
| 22,700.0                                                                         | 12,650.0              | 19,585.2              | 9,500.0               | 190.0            | 189.6         | -17.51                | -11,153.2                           | 1,082.3      | 3,296.8                | 3,104.1                 | 192.64                    | 17.114            |                    |          |
| 22,800.0                                                                         | 12,650.0              | 19,685.2              | 9,500.0               | 191.6            | 191.3         | -17.51                | -11,253.2                           | 1,082.9      | 3,296.8                | 3,102.4                 | 194.40                    | 16.959            |                    |          |
| 22,884.1                                                                         | 12,650.0              | 19,769.3              | 9,500.0               | 193.0            | 192.6         | -17.51                | -11,337.3                           | 1,083.4      | 3,296.8                | 3,100.9                 | 195.88                    | 16.830            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #502H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 29-MWD                                                     |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 0.0                                                                        | 0.0                   | 0.0                   | 0.0                   | 0.0              | 0.0           | 87.54                 | 81.8                                | 1,904.0      | 1,905.8                |                         |                           |                    |          |
| 100.0                                                                      | 100.0                 | 85.6                  | 85.6                  | 0.1              | 0.2           | 87.55                 | 81.6                                | 1,904.2      | 1,905.9                | 1,905.6                 | 0.33                      | 5,753.427          |          |
| 200.0                                                                      | 200.0                 | 173.2                 | 173.2                 | 0.5              | 0.5           | 87.57                 | 81.0                                | 1,904.9      | 1,906.8                | 1,905.8                 | 1.00                      | 1,907.560          |          |
| 300.0                                                                      | 300.0                 | 269.5                 | 269.5                 | 0.8              | 0.9           | 87.57                 | 80.9                                | 1,906.1      | 1,908.0                | 1,906.3                 | 1.70                      | 1,123.157          |          |
| 400.0                                                                      | 400.0                 | 360.9                 | 360.9                 | 1.2              | 1.2           | 87.58                 | 80.6                                | 1,907.5      | 1,909.5                | 1,907.1                 | 2.38                      | 800.803            |          |
| 500.0                                                                      | 500.0                 | 512.5                 | 512.5                 | 1.6              | 1.7           | 87.57                 | 81.1                                | 1,909.2      | 1,911.0                | 1,907.7                 | 3.27                      | 584.187            |          |
| 600.0                                                                      | 600.0                 | 612.0                 | 612.0                 | 1.9              | 2.0           | 87.55                 | 81.8                                | 1,908.2      | 1,910.1                | 1,906.1                 | 3.97                      | 481.410            |          |
| 700.0                                                                      | 700.0                 | 695.7                 | 695.7                 | 2.3              | 2.3           | 87.55                 | 81.5                                | 1,908.0      | 1,909.7                | 1,905.1                 | 4.61                      | 413.897            |          |
| 800.0                                                                      | 800.0                 | 798.4                 | 798.4                 | 2.6              | 2.7           | 87.56                 | 81.3                                | 1,907.7      | 1,909.4                | 1,904.1                 | 5.33                      | 358.386            |          |
| 821.7                                                                      | 821.7                 | 816.7                 | 816.7                 | 2.7              | 2.8           | 87.56                 | 81.2                                | 1,907.7      | 1,909.4                | 1,903.9                 | 5.47                      | 349.127            |          |
| 900.0                                                                      | 900.0                 | 889.1                 | 889.0                 | 3.0              | 3.0           | 87.58                 | 80.6                                | 1,907.9      | 1,909.6                | 1,903.6                 | 6.00                      | 318.132            |          |
| 1,000.0                                                                    | 1,000.0               | 989.0                 | 988.9                 | 3.4              | 3.4           | 87.62                 | 79.4                                | 1,908.2      | 1,909.8                | 1,903.1                 | 6.71                      | 284.512            |          |
| 1,100.0                                                                    | 1,100.0               | 1,085.2               | 1,085.1               | 3.7              | 3.7           | 87.65                 | 78.3                                | 1,908.7      | 1,910.3                | 1,902.9                 | 7.41                      | 257.753            |          |
| 1,200.0                                                                    | 1,200.0               | 1,189.0               | 1,188.9               | 4.1              | 4.1           | 87.69                 | 77.2                                | 1,909.2      | 1,910.8                | 1,902.6                 | 8.14                      | 234.804            |          |
| 1,300.0                                                                    | 1,300.0               | 1,294.6               | 1,294.5               | 4.4              | 4.4           | 87.71                 | 76.3                                | 1,909.4      | 1,910.9                | 1,902.1                 | 8.87                      | 215.419            |          |
| 1,400.0                                                                    | 1,400.0               | 1,409.4               | 1,409.4               | 4.8              | 4.8           | 87.73                 | 75.8                                | 1,909.0      | 1,910.6                | 1,901.0                 | 9.63                      | 198.353            |          |
| 1,500.0                                                                    | 1,500.0               | 1,498.1               | 1,498.0               | 5.1              | 5.1           | 87.72                 | 76.1                                | 1,908.8      | 1,910.3                | 1,900.0                 | 10.29                     | 185.557            |          |
| 1,600.0                                                                    | 1,600.0               | 1,597.9               | 1,597.8               | 5.5              | 5.5           | 87.71                 | 76.2                                | 1,908.6      | 1,910.1                | 1,899.1                 | 11.00                     | 173.653            |          |
| 1,700.0                                                                    | 1,700.0               | 1,701.2               | 1,701.2               | 5.9              | 5.9           | 87.72                 | 76.0                                | 1,908.5      | 1,910.0                | 1,898.3                 | 11.72                     | 162.967            |          |
| 1,750.6                                                                    | 1,750.6               | 1,745.7               | 1,745.6               | 6.0              | 6.0           | 87.71                 | 76.2                                | 1,908.4      | 1,909.9                | 1,897.8                 | 12.06                     | 158.430            |          |
| 1,800.0                                                                    | 1,800.0               | 1,786.0               | 1,785.9               | 6.2              | 6.1           | 87.71                 | 76.3                                | 1,908.4      | 1,910.0                | 1,897.6                 | 12.37                     | 154.398            |          |
| 1,900.0                                                                    | 1,900.0               | 1,886.3               | 1,886.2               | 6.6              | 6.5           | 87.72                 | 75.9                                | 1,908.9      | 1,910.5                | 1,897.4                 | 13.08                     | 146.062            |          |
| 2,000.0                                                                    | 2,000.0               | 1,986.9               | 1,986.7               | 6.9              | 6.9           | 87.79                 | 73.7                                | 1,909.5      | 1,910.9                | 1,897.1                 | 13.80                     | 138.519            |          |
| 2,100.0                                                                    | 2,100.0               | 2,083.4               | 2,083.2               | 7.3              | 7.2           | 87.91                 | 69.5                                | 1,910.2      | 1,911.5                | 1,897.0                 | 14.50                     | 131.848            |          |
| 2,200.0                                                                    | 2,200.0               | 2,190.1               | 2,189.7               | 7.7              | 7.6           | 88.12                 | 62.7                                | 1,910.8      | 1,911.9                | 1,896.6                 | 15.24                     | 125.462            |          |
| 2,300.0                                                                    | 2,300.0               | 2,292.6               | 2,291.9               | 8.0              | 8.0           | 88.35                 | 55.1                                | 1,911.3      | 1,912.1                | 1,896.2                 | 15.97                     | 119.753            |          |
| 2,400.0                                                                    | 2,400.0               | 2,391.9               | 2,390.8               | 8.4              | 8.3           | 88.61                 | 46.5                                | 1,911.7      | 1,912.2                | 1,895.5                 | 16.69                     | 114.595            |          |
| 2,500.0                                                                    | 2,500.0               | 2,486.5               | 2,485.0               | 8.7              | 8.7           | 88.86                 | 38.0                                | 1,912.3      | 1,912.7                | 1,895.3                 | 17.39                     | 109.977            |          |
| 2,600.0                                                                    | 2,600.0               | 2,589.6               | 2,587.7               | 9.1              | 9.0           | 89.13                 | 29.0                                | 1,912.9      | 1,913.1                | 1,895.0                 | 18.13                     | 105.532            |          |
| 2,700.0                                                                    | 2,700.0               | 2,693.7               | 2,691.5               | 9.4              | 9.4           | 89.41                 | 19.8                                | 1,913.3      | 1,913.4                | 1,894.5                 | 18.87                     | 101.390            |          |
| 2,800.0                                                                    | 2,800.0               | 2,791.1               | 2,788.5               | 9.8              | 9.8           | 89.66                 | 11.4                                | 1,913.6      | 1,913.6                | 1,894.0                 | 19.59                     | 97.679             |          |
| 2,900.0                                                                    | 2,900.0               | 2,900.7               | 2,897.6               | 10.2             | 10.2          | 89.94                 | 2.1                                 | 1,913.9      | 1,913.9                | 1,893.5                 | 20.36                     | 94.021             |          |
| 3,000.0                                                                    | 3,000.0               | 3,018.2               | 3,014.7               | 10.5             | 10.6          | 90.25                 | -8.3                                | 1,913.2      | 1,913.3                | 1,892.1                 | 21.15                     | 90.458             |          |
| 3,100.0                                                                    | 3,100.0               | 3,104.5               | 3,100.7               | 10.9             | 11.0          | 90.48                 | -15.9                               | 1,912.5      | 1,912.6                | 1,890.8                 | 21.83                     | 87.599             |          |
| 3,153.4                                                                    | 3,153.4               | 3,152.5               | 3,148.4               | 11.1             | 11.1          | 90.60                 | -20.0                               | 1,912.4      | 1,912.5                | 1,890.3                 | 22.20                     | 86.133             |          |
| 3,200.0                                                                    | 3,200.0               | 3,195.2               | 3,191.1               | 11.2             | 11.3          | 90.70                 | -23.4                               | 1,912.4      | 1,912.6                | 1,890.0                 | 22.53                     | 84.888             |          |
| 3,300.0                                                                    | 3,300.0               | 3,311.3               | 3,306.9               | 11.6             | 11.7          | 90.91                 | -30.5                               | 1,912.2      | 1,912.5                | 1,889.2                 | 23.32                     | 82.022             |          |
| 3,400.0                                                                    | 3,400.0               | 3,417.8               | 3,413.3               | 12.0             | 12.1          | 91.03                 | -34.4                               | 1,911.2      | 1,911.6                | 1,887.6                 | 24.06                     | 79.454             |          |
| 3,500.0                                                                    | 3,500.0               | 3,505.7               | 3,501.2               | 12.3             | 12.4          | 91.09                 | -36.4                               | 1,910.6      | 1,911.0                | 1,886.3                 | 24.73                     | 77.262             |          |
| 3,600.0                                                                    | 3,600.0               | 3,605.5               | 3,601.0               | 12.7             | 12.8          | 91.13                 | -37.8                               | 1,910.3      | 1,910.7                | 1,885.3                 | 25.45                     | 75.082             |          |
| 3,700.0                                                                    | 3,700.0               | 3,717.7               | 3,713.2               | 13.0             | 13.2          | 91.18                 | -39.3                               | 1,909.6      | 1,910.1                | 1,883.9                 | 26.20                     | 72.894             |          |
| 3,800.0                                                                    | 3,800.0               | 3,809.6               | 3,805.1               | 13.4             | 13.5          | 91.22                 | -40.7                               | 1,908.7      | 1,909.2                | 1,882.3                 | 26.89                     | 70.999             |          |
| 3,900.0                                                                    | 3,900.0               | 3,899.6               | 3,895.1               | 13.7             | 13.8          | 1.26                  | -42.0                               | 1,908.5      | 1,907.2                | 1,879.6                 | 27.56                     | 69.200             |          |
| 4,000.0                                                                    | 3,999.8               | 4,000.7               | 3,996.2               | 14.1             | 14.2          | 1.31                  | -43.4                               | 1,908.4      | 1,902.0                | 1,873.7                 | 28.26                     | 67.296             |          |
| 4,100.0                                                                    | 4,099.6               | 4,101.3               | 4,096.8               | 14.4             | 14.5          | 1.36                  | -44.8                               | 1,908.2      | 1,894.8                | 1,865.9                 | 28.96                     | 65.422             |          |
| 4,200.0                                                                    | 4,199.4               | 4,193.6               | 4,189.1               | 14.8             | 14.9          | 1.41                  | -46.2                               | 1,908.3      | 1,887.9                | 1,858.3                 | 29.63                     | 63.707             |          |
| 4,300.0                                                                    | 4,299.1               | 4,285.1               | 4,280.5               | 15.1             | 15.2          | 1.45                  | -47.6                               | 1,908.7      | 1,881.4                | 1,851.1                 | 30.30                     | 62.089             |          |
| 4,400.0                                                                    | 4,398.9               | 4,376.1               | 4,371.5               | 15.5             | 15.5          | 1.48                  | -48.3                               | 1,909.6      | 1,875.4                | 1,844.5                 | 30.96                     | 60.568             |          |
| 4,500.0                                                                    | 4,498.6               | 4,470.9               | 4,466.4               | 15.8             | 15.8          | 1.49                  | -48.6                               | 1,910.8      | 1,869.8                | 1,838.2                 | 31.64                     | 59.105             |          |
| 4,600.0                                                                    | 4,598.5               | 4,570.5               | 4,565.9               | 16.2             | 16.2          | 1.49                  | -48.6                               | 1,912.3      | 1,865.6                | 1,833.3                 | 32.32                     | 57.720             |          |
| 4,700.0                                                                    | 4,698.4               | 4,668.3               | 4,663.7               | 16.5             | 16.5          | 1.49                  | -48.4                               | 1,913.8      | 1,864.1                | 1,831.1                 | 33.00                     | 56.487             |          |
| 4,705.7                                                                    | 4,704.1               | 4,674.0               | 4,669.3               | 16.5             | 16.5          | 1.49                  | -48.4                               | 1,913.9      | 1,864.1                | 1,831.0                 | 33.04                     | 56.420             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #502H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 29-MWD                                                     |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 4,766.7                                                                    | 4,765.1               | 4,734.2               | 4,729.6               | 16.8             | 16.7          | 91.48                 | -48.3                               | 1,914.9      | 1,864.6                | 1,831.1                 | 33.46                     | 55.726             |          |
| 4,800.0                                                                    | 4,798.4               | 4,769.1               | 4,764.4               | 16.9             | 16.9          | 91.48                 | -48.2                               | 1,915.4      | 1,865.1                | 1,831.4                 | 33.70                     | 55.347             |          |
| 4,900.0                                                                    | 4,898.4               | 4,871.9               | 4,867.3               | 17.2             | 17.2          | 91.48                 | -48.1                               | 1,916.9      | 1,866.6                | 1,832.1                 | 34.41                     | 54.244             |          |
| 5,000.0                                                                    | 4,998.4               | 4,972.1               | 4,967.4               | 17.6             | 17.6          | 91.48                 | -48.2                               | 1,918.3      | 1,868.0                | 1,832.8                 | 35.12                     | 53.195             |          |
| 5,100.0                                                                    | 5,098.4               | 5,073.8               | 5,069.1               | 17.9             | 17.9          | 91.49                 | -48.5                               | 1,919.7      | 1,869.3                | 1,833.5                 | 35.83                     | 52.177             |          |
| 5,200.0                                                                    | 5,198.4               | 5,171.8               | 5,167.2               | 18.3             | 18.3          | 91.48                 | -48.4                               | 1,921.0      | 1,870.6                | 1,834.1                 | 36.52                     | 51.218             |          |
| 5,300.0                                                                    | 5,298.4               | 5,267.6               | 5,262.9               | 18.7             | 18.6          | 91.47                 | -48.2                               | 1,922.4      | 1,872.1                | 1,834.9                 | 37.21                     | 50.313             |          |
| 5,400.0                                                                    | 5,398.4               | 5,365.6               | 5,360.9               | 19.0             | 18.9          | 91.47                 | -48.0                               | 1,924.1      | 1,873.8                | 1,835.9                 | 37.91                     | 49.434             |          |
| 5,500.0                                                                    | 5,498.4               | 5,468.7               | 5,464.0               | 19.4             | 19.3          | 91.46                 | -47.7                               | 1,925.9      | 1,875.5                | 1,836.9                 | 38.62                     | 48.563             |          |
| 5,600.0                                                                    | 5,598.4               | 5,565.7               | 5,561.0               | 19.7             | 19.6          | 91.45                 | -47.4                               | 1,927.4      | 1,877.1                | 1,837.8                 | 39.31                     | 47.749             |          |
| 5,700.0                                                                    | 5,698.4               | 5,667.8               | 5,663.1               | 20.1             | 20.0          | 91.43                 | -46.9                               | 1,929.1      | 1,878.8                | 1,838.8                 | 40.02                     | 46.944             |          |
| 5,766.7                                                                    | 5,765.1               | 5,768.8               | 5,764.0               | 20.3             | 20.3          | 91.46                 | -47.9                               | 1,930.0      | 1,879.5                | 1,838.9                 | 40.62                     | 46.276             |          |
| 5,800.0                                                                    | 5,798.4               | 5,846.8               | 5,841.9               | 20.4             | 20.6          | -86.75                | -52.3                               | 1,928.9      | 1,879.1                | 1,838.1                 | 40.99                     | 45.840             |          |
| 5,900.0                                                                    | 5,898.4               | 5,980.5               | 5,974.8               | 20.8             | 21.1          | -86.53                | -65.8                               | 1,923.4      | 1,875.0                | 1,833.2                 | 41.78                     | 44.877             |          |
| 6,000.0                                                                    | 5,998.1               | 6,112.1               | 6,105.3               | 21.1             | 21.6          | -86.41                | -81.2                               | 1,915.9      | 1,869.2                | 1,826.7                 | 42.56                     | 43.925             |          |
| 6,100.0                                                                    | 6,097.7               | 6,238.3               | 6,230.0               | 21.4             | 22.1          | -86.41                | -98.3                               | 1,907.0      | 1,862.0                | 1,818.7                 | 43.32                     | 42.988             |          |
| 6,200.0                                                                    | 6,196.8               | 6,377.1               | 6,366.3               | 21.8             | 22.6          | -86.45                | -120.8                              | 1,894.4      | 1,852.6                | 1,808.5                 | 44.10                     | 42.013             |          |
| 6,229.5                                                                    | 6,225.9               | 6,407.8               | 6,396.4               | 21.8             | 22.7          | -86.48                | -126.5                              | 1,891.2      | 1,849.5                | 1,805.2                 | 44.31                     | 41.740             |          |
| 6,300.0                                                                    | 6,295.5               | 6,492.3               | 6,478.5               | 22.1             | 23.0          | -86.34                | -144.1                              | 1,882.3      | 1,841.9                | 1,797.0                 | 44.85                     | 41.071             |          |
| 6,400.0                                                                    | 6,394.2               | 6,662.7               | 6,641.3               | 22.4             | 23.8          | -85.74                | -189.1                              | 1,860.2      | 1,828.9                | 1,783.2                 | 45.69                     | 40.031             |          |
| 6,500.0                                                                    | 6,492.9               | 6,841.4               | 6,806.5               | 22.7             | 24.6          | -84.63                | -249.4                              | 1,828.6      | 1,811.3                | 1,764.8                 | 46.54                     | 38.923             |          |
| 6,600.0                                                                    | 6,591.6               | 6,919.5               | 6,877.7               | 23.1             | 24.9          | -84.06                | -277.7                              | 1,813.6      | 1,792.7                | 1,745.4                 | 47.35                     | 37.865             |          |
| 6,700.0                                                                    | 6,690.3               | 7,002.6               | 6,953.7               | 23.4             | 25.3          | -83.46                | -307.6                              | 1,798.3      | 1,775.1                | 1,726.9                 | 48.16                     | 36.855             |          |
| 6,800.0                                                                    | 6,789.0               | 7,083.5               | 7,028.1               | 23.8             | 25.7          | -82.89                | -335.9                              | 1,784.0      | 1,758.4                | 1,709.5                 | 48.99                     | 35.898             |          |
| 6,900.0                                                                    | 6,887.7               | 7,169.7               | 7,107.9               | 24.1             | 26.2          | -82.31                | -365.3                              | 1,769.6      | 1,742.9                | 1,693.0                 | 49.82                     | 34.985             |          |
| 7,000.0                                                                    | 6,986.4               | 7,252.4               | 7,184.7               | 24.5             | 26.6          | -81.76                | -393.0                              | 1,756.2      | 1,728.0                | 1,677.4                 | 50.65                     | 34.119             |          |
| 7,100.0                                                                    | 7,085.1               | 7,363.6               | 7,289.2               | 24.8             | 27.1          | -81.13                | -427.0                              | 1,739.4      | 1,714.3                | 1,662.7                 | 51.53                     | 33.270             |          |
| 7,200.0                                                                    | 7,183.8               | 7,472.0               | 7,389.9               | 25.2             | 27.7          | -80.41                | -462.5                              | 1,720.6      | 1,698.6                | 1,646.1                 | 52.42                     | 32.403             |          |
| 7,300.0                                                                    | 7,282.5               | 7,555.1               | 7,466.7               | 25.6             | 28.1          | -79.82                | -490.7                              | 1,706.6      | 1,683.8                | 1,630.5                 | 53.28                     | 31.601             |          |
| 7,400.0                                                                    | 7,381.2               | 7,653.6               | 7,558.4               | 25.9             | 28.7          | -79.14                | -523.2                              | 1,690.7      | 1,669.8                | 1,615.7                 | 54.18                     | 30.818             |          |
| 7,500.0                                                                    | 7,479.8               | 7,741.6               | 7,640.2               | 26.3             | 29.1          | -78.52                | -552.2                              | 1,676.3      | 1,655.9                | 1,600.8                 | 55.07                     | 30.070             |          |
| 7,600.0                                                                    | 7,578.5               | 7,840.5               | 7,731.9               | 26.7             | 29.7          | -77.79                | -585.7                              | 1,660.8      | 1,643.0                | 1,587.0                 | 55.99                     | 29.343             |          |
| 7,700.0                                                                    | 7,677.2               | 7,952.6               | 7,835.0               | 27.0             | 30.3          | -76.86                | -625.7                              | 1,641.7      | 1,629.4                | 1,572.4                 | 56.97                     | 28.599             |          |
| 7,800.0                                                                    | 7,775.9               | 8,066.7               | 7,939.8               | 27.4             | 31.0          | -75.92                | -665.7                              | 1,621.5      | 1,615.3                | 1,557.3                 | 57.97                     | 27.867             |          |
| 7,900.0                                                                    | 7,874.6               | 8,149.2               | 8,016.0               | 27.8             | 31.4          | -75.25                | -694.0                              | 1,606.8      | 1,601.3                | 1,542.4                 | 58.88                     | 27.196             |          |
| 8,000.0                                                                    | 7,973.3               | 8,240.3               | 8,100.4               | 28.2             | 32.0          | -74.54                | -724.5                              | 1,591.4      | 1,588.3                | 1,528.5                 | 59.82                     | 26.553             |          |
| 8,100.0                                                                    | 8,072.0               | 8,320.4               | 8,175.2               | 28.6             | 32.4          | -73.96                | -749.9                              | 1,578.6      | 1,576.2                | 1,515.5                 | 60.71                     | 25.964             |          |
| 8,200.0                                                                    | 8,170.7               | 8,405.0               | 8,255.8               | 28.9             | 32.9          | -73.49                | -773.2                              | 1,567.0      | 1,565.3                | 1,503.8                 | 61.58                     | 25.420             |          |
| 8,300.0                                                                    | 8,269.4               | 8,496.9               | 8,344.2               | 29.3             | 33.3          | -73.09                | -795.7                              | 1,555.7      | 1,555.2                | 1,492.7                 | 62.46                     | 24.900             |          |
| 8,400.0                                                                    | 8,368.1               | 8,588.8               | 8,432.9               | 29.7             | 33.8          | -72.74                | -817.1                              | 1,545.1      | 1,545.5                | 1,482.2                 | 63.32                     | 24.408             |          |
| 8,500.0                                                                    | 8,466.8               | 8,682.7               | 8,523.9               | 30.1             | 34.3          | -72.41                | -838.2                              | 1,534.9      | 1,536.4                | 1,472.2                 | 64.19                     | 23.936             |          |
| 8,600.0                                                                    | 8,565.5               | 8,781.5               | 8,619.9               | 30.5             | 34.8          | -72.12                | -858.8                              | 1,524.8      | 1,527.4                | 1,462.4                 | 65.06                     | 23.478             |          |
| 8,700.0                                                                    | 8,664.2               | 8,872.4               | 8,708.8               | 30.9             | 35.2          | -71.94                | -875.7                              | 1,516.2      | 1,518.6                | 1,452.7                 | 65.89                     | 23.049             |          |
| 8,800.0                                                                    | 8,762.9               | 8,952.8               | 8,787.9               | 31.3             | 35.6          | -71.87                | -888.6                              | 1,510.1      | 1,510.9                | 1,444.3                 | 66.66                     | 22.667             |          |
| 8,900.0                                                                    | 8,861.6               | 9,038.6               | 8,873.0               | 31.7             | 35.9          | -71.97                | -898.4                              | 1,505.9      | 1,504.5                | 1,437.0                 | 67.41                     | 22.317             |          |
| 9,000.0                                                                    | 8,960.3               | 9,153.3               | 8,987.4               | 32.1             | 36.3          | -72.30                | -906.3                              | 1,501.6      | 1,497.8                | 1,429.6                 | 68.22                     | 21.957             |          |
| 9,100.0                                                                    | 9,059.0               | 9,241.6               | 9,075.6               | 32.5             | 36.6          | -72.67                | -909.6                              | 1,498.6      | 1,490.7                | 1,421.8                 | 68.92                     | 21.628             |          |
| 9,200.0                                                                    | 9,157.7               | 9,309.0               | 9,142.9               | 32.9             | 36.9          | -72.99                | -911.6                              | 1,497.9      | 1,485.7                | 1,416.1                 | 69.55                     | 21.360             |          |
| 9,300.0                                                                    | 9,256.4               | 9,387.3               | 9,221.2               | 33.3             | 37.1          | -73.38                | -913.9                              | 1,498.7      | 1,482.6                | 1,412.4                 | 70.20                     | 21.120             |          |
| 9,400.0                                                                    | 9,355.1               | 9,517.2               | 9,351.0               | 33.7             | 37.6          | -74.03                | -917.4                              | 1,499.3      | 1,479.3                | 1,408.3                 | 71.03                     | 20.825             |          |
| 9,500.0                                                                    | 9,453.8               | 9,622.9               | 9,456.6               | 34.1             | 37.9          | -74.53                | -920.5                              | 1,497.8      | 1,474.1                | 1,402.3                 | 71.80                     | 20.532             |          |
| 9,600.0                                                                    | 9,552.5               | 9,688.0               | 9,521.1               | 34.5             | 38.2          | -74.58                | -929.2                              | 1,495.7      | 1,470.1                | 1,397.6                 | 72.45                     | 20.292             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #502H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 29-MWD                                                     |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   | Warning            |          |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 9,675.1                                                                    | 9,626.6               | 9,726.3               | 9,558.3               | 34.8             | 38.4          | -74.45                | -938.3                              | 1,494.4      | 1,468.9                | 1,396.0                 | 72.91                     | 20.148            | CC, ES             |          |
| 9,700.0                                                                    | 9,651.2               | 9,736.6               | 9,568.1               | 34.9             | 38.5          | -74.39                | -941.4                              | 1,494.1      | 1,469.0                | 1,396.0                 | 73.03                     | 20.116            |                    |          |
| 9,800.0                                                                    | 9,749.9               | 9,784.0               | 9,612.1               | 35.3             | 38.7          | -74.00                | -959.0                              | 1,493.4      | 1,472.1                | 1,398.6                 | 73.52                     | 20.025            |                    |          |
| 9,900.0                                                                    | 9,848.6               | 9,812.6               | 9,637.7               | 35.7             | 38.9          | -73.68                | -971.6                              | 1,493.5      | 1,479.4                | 1,405.7                 | 73.73                     | 20.066            |                    |          |
| 10,000.0                                                                   | 9,947.3               | 9,846.6               | 9,667.6               | 36.1             | 39.1          | -73.27                | -987.7                              | 1,494.6      | 1,491.2                | 1,417.3                 | 73.85                     | 20.191            |                    |          |
| 10,100.0                                                                   | 10,046.0              | 9,881.7               | 9,697.7               | 36.5             | 39.3          | -72.82                | -1,005.6                            | 1,496.9      | 1,507.4                | 1,433.6                 | 73.86                     | 20.408            |                    |          |
| 10,200.0                                                                   | 10,144.7              | 10,029.8              | 9,820.1               | 36.9             | 40.3          | -70.58                | -1,088.7                            | 1,502.5      | 1,523.8                | 1,448.3                 | 75.58                     | 20.162            |                    |          |
| 10,300.0                                                                   | 10,243.4              | 10,095.7              | 9,870.0               | 37.3             | 40.8          | -69.33                | -1,131.6                            | 1,501.3      | 1,540.7                | 1,464.6                 | 76.03                     | 20.264            |                    |          |
| 10,400.0                                                                   | 10,342.1              | 10,135.0              | 9,896.9               | 37.7             | 41.1          | -68.46                | -1,160.2                            | 1,499.9      | 1,561.3                | 1,485.3                 | 75.97                     | 20.552            |                    |          |
| 10,500.0                                                                   | 10,440.8              | 10,164.0              | 9,915.1               | 38.1             | 41.3          | -67.75                | -1,182.8                            | 1,498.7      | 1,586.2                | 1,510.6                 | 75.59                     | 20.985            |                    |          |
| 10,600.0                                                                   | 10,539.5              | 10,164.0              | 9,915.1               | 38.5             | 41.3          | -67.75                | -1,182.8                            | 1,498.7      | 1,616.4                | 1,541.9                 | 74.55                     | 21.684            |                    |          |
| 10,700.0                                                                   | 10,638.2              | 10,200.3              | 9,935.3               | 39.0             | 41.7          | -66.81                | -1,212.9                            | 1,497.4      | 1,650.4                | 1,576.4                 | 74.04                     | 22.290            |                    |          |
| 10,800.0                                                                   | 10,736.9              | 10,214.7              | 9,942.5               | 39.4             | 41.8          | -66.42                | -1,225.3                            | 1,497.2      | 1,689.6                | 1,616.6                 | 73.02                     | 23.139            |                    |          |
| 10,900.0                                                                   | 10,835.6              | 10,259.0              | 9,961.5               | 39.8             | 42.2          | -65.18                | -1,265.3                            | 1,497.4      | 1,734.5                | 1,662.0                 | 72.47                     | 23.933            |                    |          |
| 11,000.0                                                                   | 10,934.3              | 10,259.0              | 9,961.5               | 40.2             | 42.2          | -65.18                | -1,265.3                            | 1,497.4      | 1,781.4                | 1,710.3                 | 71.03                     | 25.079            |                    |          |
| 11,100.0                                                                   | 11,033.0              | 10,259.0              | 9,961.5               | 40.6             | 42.2          | -65.18                | -1,265.3                            | 1,497.4      | 1,832.5                | 1,763.0                 | 69.54                     | 26.352            |                    |          |
| 11,200.0                                                                   | 11,131.7              | 10,259.0              | 9,961.5               | 41.0             | 42.2          | -65.18                | -1,265.3                            | 1,497.4      | 1,887.6                | 1,819.5                 | 68.03                     | 27.744            |                    |          |
| 11,300.0                                                                   | 11,230.4              | 10,259.0              | 9,961.5               | 41.4             | 42.2          | -65.18                | -1,265.3                            | 1,497.4      | 1,946.2                | 1,879.7                 | 66.53                     | 29.252            |                    |          |
| 11,400.0                                                                   | 11,329.1              | 10,292.9              | 9,973.3               | 41.9             | 42.5          | -64.20                | -1,297.0                            | 1,498.2      | 2,007.2                | 1,941.5                 | 65.72                     | 30.543            |                    |          |
| 11,500.0                                                                   | 11,427.8              | 10,306.7              | 9,977.7               | 42.3             | 42.6          | -63.79                | -1,310.2                            | 1,498.5      | 2,071.2                | 2,006.6                 | 64.54                     | 32.093            |                    |          |
| 11,535.3                                                                   | 11,462.6              | 10,311.3              | 9,979.1               | 42.4             | 42.7          | -63.66                | -1,314.6                            | 1,498.6      | 2,094.4                | 2,030.2                 | 64.12                     | 32.661            |                    |          |
| 11,600.0                                                                   | 11,526.5              | 10,319.3              | 9,981.4               | 42.7             | 42.7          | -64.21                | -1,322.2                            | 1,498.8      | 2,137.8                | 2,074.4                 | 63.37                     | 33.733            |                    |          |
| 11,700.0                                                                   | 11,625.7              | 10,355.0              | 9,990.7               | 43.1             | 43.1          | -64.43                | -1,356.7                            | 1,499.8      | 2,208.0                | 2,145.3                 | 62.68                     | 35.227            |                    |          |
| 11,800.0                                                                   | 11,725.1              | 10,355.0              | 9,990.7               | 43.5             | 43.1          | -65.85                | -1,356.7                            | 1,499.8      | 2,280.2                | 2,218.8                 | 61.40                     | 37.137            |                    |          |
| 11,900.0                                                                   | 11,824.8              | 10,355.0              | 9,990.7               | 43.9             | 43.1          | -67.41                | -1,356.7                            | 1,499.8      | 2,355.1                | 2,294.9                 | 60.19                     | 39.126            |                    |          |
| 12,000.0                                                                   | 11,924.7              | 10,355.0              | 9,990.7               | 44.2             | 43.1          | -69.11                | -1,356.7                            | 1,499.8      | 2,432.5                | 2,373.4                 | 59.07                     | 41.182            |                    |          |
| 12,100.0                                                                   | 12,024.6              | 10,355.0              | 9,990.7               | 44.6             | 43.1          | -70.96                | -1,356.7                            | 1,499.8      | 2,512.0                | 2,454.0                 | 58.02                     | 43.295            |                    |          |
| 12,152.4                                                                   | 12,077.0              | 10,355.0              | 9,990.7               | 44.7             | 43.1          | 106.34                | -1,356.7                            | 1,499.8      | 2,554.4                | 2,496.9                 | 57.50                     | 44.421            |                    |          |
| 12,200.0                                                                   | 12,124.6              | 10,355.0              | 9,990.7               | 44.9             | 43.1          | -71.24                | -1,356.7                            | 1,499.8      | 2,593.1                | 2,536.0                 | 57.05                     | 45.455            |                    |          |
| 12,250.0                                                                   | 12,174.2              | 10,355.0              | 9,990.7               | 45.1             | 43.1          | -65.01                | -1,356.7                            | 1,499.8      | 2,633.2                | 2,576.6                 | 56.57                     | 46.545            |                    |          |
| 12,300.0                                                                   | 12,223.0              | 10,355.0              | 9,990.7               | 45.3             | 43.1          | -59.37                | -1,356.7                            | 1,499.8      | 2,672.5                | 2,616.4                 | 56.11                     | 47.631            |                    |          |
| 12,350.0                                                                   | 12,270.7              | 10,355.0              | 9,990.7               | 45.6             | 43.1          | -54.38                | -1,356.7                            | 1,499.8      | 2,710.8                | 2,655.2                 | 55.66                     | 48.706            |                    |          |
| 12,400.0                                                                   | 12,317.0              | 10,355.0              | 9,990.7               | 45.8             | 43.1          | -50.02                | -1,356.7                            | 1,499.8      | 2,747.9                | 2,692.7                 | 55.22                     | 49.762            |                    |          |
| 12,450.0                                                                   | 12,361.4              | 10,395.6              | 9,998.8               | 46.1             | 43.5          | -45.70                | -1,396.5                            | 1,500.6      | 2,782.1                | 2,726.7                 | 55.42                     | 50.204            |                    |          |
| 12,500.0                                                                   | 12,403.7              | 10,403.0              | 10,000.0              | 46.4             | 43.5          | -42.50                | -1,403.7                            | 1,500.6      | 2,815.4                | 2,760.3                 | 55.12                     | 51.083            |                    |          |
| 12,550.0                                                                   | 12,443.5              | 10,410.9              | 10,001.1              | 46.7             | 43.6          | -39.77                | -1,411.5                            | 1,500.6      | 2,846.7                | 2,791.9                 | 54.84                     | 51.909            |                    |          |
| 12,600.0                                                                   | 12,480.5              | 10,450.0              | 10,005.2              | 47.1             | 44.0          | -37.22                | -1,450.4                            | 1,500.3      | 2,876.6                | 2,821.6                 | 55.00                     | 52.298            |                    |          |
| 12,650.0                                                                   | 12,514.4              | 10,450.0              | 10,005.2              | 47.4             | 44.0          | -35.39                | -1,450.4                            | 1,500.3      | 2,902.9                | 2,848.2                 | 54.66                     | 53.104            |                    |          |
| 12,700.0                                                                   | 12,545.0              | 10,450.0              | 10,005.2              | 47.8             | 44.0          | -33.84                | -1,450.4                            | 1,500.3      | 2,926.8                | 2,872.4                 | 54.36                     | 53.842            |                    |          |
| 12,750.0                                                                   | 12,572.0              | 10,450.0              | 10,005.2              | 48.1             | 44.0          | -32.55                | -1,450.4                            | 1,500.3      | 2,948.1                | 2,894.0                 | 54.09                     | 54.503            |                    |          |
| 12,800.0                                                                   | 12,595.3              | 10,467.6              | 10,006.4              | 48.5             | 44.1          | -31.43                | -1,468.0                            | 1,500.0      | 2,966.7                | 2,912.6                 | 54.08                     | 54.862            |                    |          |
| 12,850.0                                                                   | 12,614.6              | 10,497.7              | 10,008.4              | 48.9             | 44.4          | -30.52                | -1,498.0                            | 1,499.5      | 2,982.1                | 2,927.9                 | 54.24                     | 54.976            |                    |          |
| 12,900.0                                                                   | 12,629.8              | 10,528.4              | 10,010.2              | 49.3             | 44.7          | -29.85                | -1,528.7                            | 1,499.1      | 2,994.2                | 2,939.7                 | 54.45                     | 54.987            |                    |          |
| 12,950.0                                                                   | 12,640.8              | 10,561.2              | 10,012.1              | 49.7             | 45.1          | -29.39                | -1,561.4                            | 1,498.8      | 3,002.9                | 2,948.1                 | 54.73                     | 54.869            |                    |          |
| 13,000.0                                                                   | 12,647.6              | 10,595.9              | 10,014.1              | 50.1             | 45.4          | -29.16                | -1,596.1                            | 1,499.1      | 3,008.0                | 2,953.0                 | 55.08                     | 54.612            |                    |          |
| 13,052.4                                                                   | 12,650.0              | 10,640.0              | 10,016.9              | 50.5             | 45.9          | -29.16                | -1,640.0                            | 1,500.4      | 3,009.6                | 2,954.0                 | 55.60                     | 54.126            |                    |          |
| 13,100.0                                                                   | 12,650.0              | 13,100.0              | 10,023.1              | 50.9             | 72.0          | -29.34                | -1,710.4                            | 1,504.0      | 3,008.6                | 2,937.0                 | 71.53                     | 42.058            |                    |          |
| 13,200.0                                                                   | 12,650.0              | 10,778.2              | 10,029.1              | 51.8             | 47.3          | -29.45                | -1,777.5                            | 1,507.9      | 3,005.4                | 2,948.0                 | 57.45                     | 52.317            |                    |          |
| 13,267.5                                                                   | 12,650.0              | 10,804.9              | 10,031.0              | 52.4             | 47.6          | -29.46                | -1,804.0                            | 1,509.5      | 3,003.4                | 2,945.6                 | 57.77                     | 51.988            |                    |          |
| 13,300.0                                                                   | 12,650.0              | 10,830.0              | 10,032.4              | 52.7             | 47.9          | -29.49                | -1,829.1                            | 1,510.9      | 3,002.6                | 2,944.6                 | 58.09                     | 51.689            |                    |          |
| 13,400.0                                                                   | 12,650.0              | 10,973.2              | 10,040.5              | 53.6             | 49.5          | -29.64                | -1,972.0                            | 1,515.8      | 2,999.0                | 2,939.0                 | 59.97                     | 50.005            |                    |          |
| 13,500.0                                                                   | 12,650.0              | 11,021.0              | 10,042.8              | 54.6             | 50.0          | -29.67                | -2,019.7                            | 1,516.5      | 2,995.5                | 2,934.9                 | 60.59                     | 49.439            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #502H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 29-MWD                                                     |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 13,600.0                                                                   | 12,650.0              | 11,059.1              | 10,043.6              | 55.6             | 50.5          | -29.68                | -2,057.8                            | 1,516.8      | 2,994.0                | 2,932.9                 | 61.11                     | 48.991             |          |
| 13,610.9                                                                   | 12,650.0              | 11,062.3              | 10,043.7              | 55.7             | 50.5          | -29.68                | -2,061.0                            | 1,516.8      | 2,994.0                | 2,932.8                 | 61.16                     | 48.953             |          |
| 13,700.0                                                                   | 12,650.0              | 11,116.0              | 10,042.2              | 56.6             | 51.1          | -29.66                | -2,114.7                            | 1,516.9      | 2,995.4                | 2,933.5                 | 61.87                     | 48.414             |          |
| 13,800.0                                                                   | 12,650.0              | 11,140.8              | 10,041.0              | 57.6             | 51.4          | -29.65                | -2,139.5                            | 1,517.1      | 2,998.2                | 2,935.9                 | 62.29                     | 48.133             |          |
| 13,900.0                                                                   | 12,650.0              | 11,306.0              | 10,042.1              | 58.7             | 53.4          | -29.75                | -2,304.4                            | 1,523.7      | 2,998.4                | 2,933.8                 | 64.58                     | 46.425             |          |
| 14,000.0                                                                   | 12,650.0              | 11,363.2              | 10,043.4              | 59.8             | 54.1          | -29.81                | -2,361.5                            | 1,527.1      | 2,999.7                | 2,934.1                 | 65.55                     | 45.761             |          |
| 14,100.0                                                                   | 12,650.0              | 11,402.0              | 10,042.1              | 61.0             | 54.6          | -29.82                | -2,400.2                            | 1,528.6      | 3,003.9                | 2,937.6                 | 66.25                     | 45.340             |          |
| 14,200.0                                                                   | 12,650.0              | 11,750.2              | 10,041.6              | 62.1             | 59.1          | -29.98                | -2,748.0                            | 1,540.4      | 3,007.1                | 2,935.9                 | 71.19                     | 42.238             |          |
| 14,300.0                                                                   | 12,650.0              | 11,825.1              | 10,043.3              | 63.3             | 60.0          | -29.98                | -2,822.8                            | 1,540.0      | 3,004.4                | 2,932.0                 | 72.41                     | 41.493             |          |
| 14,400.0                                                                   | 12,650.0              | 11,902.8              | 10,044.9              | 64.5             | 61.1          | -29.98                | -2,900.5                            | 1,539.7      | 3,002.1                | 2,928.5                 | 73.68                     | 40.743             |          |
| 14,500.0                                                                   | 12,650.0              | 11,972.0              | 10,045.3              | 65.7             | 62.0          | -29.98                | -2,969.7                            | 1,539.8      | 3,001.2                | 2,926.4                 | 74.86                     | 40.090             |          |
| 14,519.8                                                                   | 12,650.0              | 11,972.0              | 10,045.3              | 66.0             | 62.0          | -29.98                | -2,969.7                            | 1,539.8      | 3,001.2                | 2,926.3                 | 74.91                     | 40.062             |          |
| 14,600.0                                                                   | 12,650.0              | 12,005.4              | 10,045.0              | 67.0             | 62.5          | -29.97                | -3,003.1                            | 1,539.9      | 3,001.8                | 2,926.2                 | 75.57                     | 39.723             |          |
| 14,700.0                                                                   | 12,650.0              | 12,051.0              | 10,043.7              | 68.2             | 63.1          | -29.96                | -3,048.7                            | 1,540.2      | 3,004.3                | 2,927.9                 | 76.45                     | 39.299             |          |
| 14,800.0                                                                   | 12,650.0              | 12,144.0              | 10,040.1              | 69.5             | 64.4          | -29.94                | -3,141.6                            | 1,541.2      | 3,007.9                | 2,929.9                 | 77.97                     | 38.577             |          |
| 14,900.0                                                                   | 12,650.0              | 12,239.4              | 10,036.2              | 70.8             | 65.7          | -29.90                | -3,237.0                            | 1,542.1      | 3,011.6                | 2,932.0                 | 79.54                     | 37.861             |          |
| 15,000.0                                                                   | 12,650.0              | 12,340.2              | 10,031.5              | 72.1             | 67.1          | -29.85                | -3,337.6                            | 1,542.1      | 3,015.3                | 2,934.1                 | 81.17                     | 37.147             |          |
| 15,100.0                                                                   | 12,650.0              | 12,429.9              | 10,027.0              | 73.4             | 68.3          | -29.79                | -3,427.2                            | 1,541.9      | 3,019.2                | 2,936.5                 | 82.66                     | 36.525             |          |
| 15,200.0                                                                   | 12,650.0              | 12,531.2              | 10,022.0              | 74.8             | 69.8          | -29.74                | -3,528.4                            | 1,542.1      | 3,023.2                | 2,938.9                 | 84.33                     | 35.850             |          |
| 15,300.0                                                                   | 12,650.0              | 12,631.9              | 10,017.3              | 76.1             | 71.2          | -29.69                | -3,629.0                            | 1,542.5      | 3,027.2                | 2,941.2                 | 86.02                     | 35.193             |          |
| 15,400.0                                                                   | 12,650.0              | 12,842.6              | 10,010.4              | 77.5             | 74.3          | -29.61                | -3,839.5                            | 1,542.5      | 3,030.2                | 2,941.0                 | 89.24                     | 33.956             |          |
| 15,500.0                                                                   | 12,650.0              | 12,939.8              | 10,009.2              | 78.8             | 75.7          | -29.59                | -3,936.7                            | 1,542.5      | 3,030.9                | 2,940.0                 | 90.96                     | 33.323             |          |
| 15,600.0                                                                   | 12,650.0              | 13,074.3              | 10,010.0              | 80.2             | 77.6          | -29.60                | -4,071.3                            | 1,543.5      | 3,030.4                | 2,937.1                 | 93.27                     | 32.489             |          |
| 15,700.0                                                                   | 12,650.0              | 13,165.6              | 10,010.6              | 81.6             | 79.0          | -29.60                | -4,162.5                            | 1,544.1      | 3,029.8                | 2,934.8                 | 94.98                     | 31.900             |          |
| 15,800.0                                                                   | 12,650.0              | 13,322.2              | 10,013.4              | 83.0             | 81.3          | -29.63                | -4,319.1                            | 1,545.3      | 3,028.3                | 2,930.7                 | 97.68                     | 31.003             |          |
| 15,900.0                                                                   | 12,650.0              | 13,434.3              | 10,016.1              | 84.4             | 83.0          | -29.65                | -4,431.2                            | 1,545.7      | 3,026.1                | 2,926.4                 | 99.74                     | 30.340             |          |
| 16,000.0                                                                   | 12,650.0              | 13,562.0              | 10,020.2              | 85.9             | 84.9          | -29.67                | -4,558.7                            | 1,545.4      | 3,022.8                | 2,920.8                 | 102.03                    | 29.627             |          |
| 16,100.0                                                                   | 12,650.0              | 13,688.5              | 10,025.9              | 87.3             | 86.8          | -29.71                | -4,685.2                            | 1,545.5      | 3,018.7                | 2,914.3                 | 104.36                    | 28.926             |          |
| 16,200.0                                                                   | 12,650.0              | 13,828.5              | 10,032.8              | 88.7             | 88.9          | -29.76                | -4,825.0                            | 1,545.3      | 3,014.2                | 2,907.3                 | 106.89                    | 28.198             |          |
| 16,300.0                                                                   | 12,650.0              | 13,955.1              | 10,041.7              | 90.2             | 90.8          | -29.83                | -4,951.3                            | 1,545.1      | 3,007.6                | 2,898.3                 | 109.29                    | 27.521             |          |
| 16,400.0                                                                   | 12,650.0              | 14,053.8              | 10,049.1              | 91.6             | 92.4          | -29.89                | -5,049.7                            | 1,545.3      | 3,001.0                | 2,889.7                 | 111.29                    | 26.965             |          |
| 16,500.0                                                                   | 12,650.0              | 14,115.1              | 10,053.2              | 93.1             | 93.3          | -29.93                | -5,110.8                            | 1,545.6      | 2,995.0                | 2,882.3                 | 112.75                    | 26.564             |          |
| 16,600.0                                                                   | 12,650.0              | 14,167.3              | 10,056.2              | 94.5             | 94.1          | -29.96                | -5,163.0                            | 1,546.1      | 2,990.3                | 2,876.3                 | 114.06                    | 26.218             |          |
| 16,700.0                                                                   | 12,650.0              | 14,212.1              | 10,057.7              | 96.0             | 94.8          | -29.98                | -5,207.7                            | 1,546.5      | 2,987.5                | 2,872.3                 | 115.23                    | 25.927             |          |
| 16,800.0                                                                   | 12,650.0              | 14,260.9              | 10,058.4              | 97.5             | 95.5          | -29.99                | -5,256.5                            | 1,547.0      | 2,986.4                | 2,870.0                 | 116.43                    | 25.650             |          |
| 16,814.1                                                                   | 12,650.0              | 14,268.4              | 10,058.4              | 97.7             | 95.6          | -29.99                | -5,264.0                            | 1,547.0      | 2,986.4                | 2,869.8                 | 116.61                    | 25.611             |          |
| 16,900.0                                                                   | 12,650.0              | 14,330.0              | 10,057.8              | 99.0             | 96.6          | -29.99                | -5,325.6                            | 1,547.6      | 2,987.1                | 2,869.2                 | 117.90                    | 25.335             |          |
| 17,000.0                                                                   | 12,650.0              | 14,471.6              | 10,056.7              | 100.5            | 98.8          | -29.99                | -5,467.2                            | 1,549.0      | 2,988.3                | 2,867.9                 | 120.48                    | 24.804             |          |
| 17,100.0                                                                   | 12,650.0              | 14,710.9              | 10,064.4              | 101.9            | 102.5         | -30.02                | -5,706.4                            | 1,548.2      | 2,984.6                | 2,860.1                 | 124.51                    | 23.971             |          |
| 17,200.0                                                                   | 12,650.0              | 14,807.4              | 10,069.2              | 103.4            | 104.0         | -30.04                | -5,802.7                            | 1,547.1      | 2,979.4                | 2,852.9                 | 126.47                    | 23.559             |          |
| 17,300.0                                                                   | 12,650.0              | 14,927.6              | 10,075.7              | 104.9            | 105.9         | -30.06                | -5,922.7                            | 1,545.5      | 2,973.7                | 2,844.9                 | 128.77                    | 23.094             |          |
| 17,400.0                                                                   | 12,650.0              | 14,997.0              | 10,079.3              | 106.5            | 106.9         | -30.08                | -5,992.0                            | 1,544.6      | 2,968.3                | 2,837.9                 | 130.35                    | 22.771             |          |
| 17,500.0                                                                   | 12,650.0              | 15,072.7              | 10,082.8              | 108.0            | 108.1         | -30.10                | -6,067.6                            | 1,544.2      | 2,963.8                | 2,831.7                 | 132.04                    | 22.446             |          |
| 17,600.0                                                                   | 12,650.0              | 15,135.7              | 10,085.1              | 109.5            | 109.1         | -30.11                | -6,130.6                            | 1,544.3      | 2,960.4                | 2,826.8                 | 133.54                    | 22.168             |          |
| 17,700.0                                                                   | 12,650.0              | 15,203.0              | 10,086.6              | 111.0            | 110.2         | -30.13                | -6,197.9                            | 1,544.6      | 2,958.3                | 2,823.2                 | 135.09                    | 21.899             |          |
| 17,800.0                                                                   | 12,650.0              | 15,296.0              | 10,088.2              | 112.5            | 111.6         | -30.14                | -6,290.9                            | 1,544.9      | 2,956.7                | 2,819.7                 | 137.01                    | 21.580             |          |
| 17,900.0                                                                   | 12,650.0              | 15,356.4              | 10,088.6              | 114.1            | 112.6         | -30.14                | -6,351.3                            | 1,545.0      | 2,956.0                | 2,817.5                 | 138.42                    | 21.355             |          |
| 17,903.5                                                                   | 12,650.0              | 15,358.6              | 10,088.6              | 114.1            | 112.6         | -30.14                | -6,353.4                            | 1,545.0      | 2,956.0                | 2,817.5                 | 138.47                    | 21.348             |          |
| 18,000.0                                                                   | 12,650.0              | 15,448.1              | 10,088.1              | 115.6            | 114.0         | -30.13                | -6,443.0                            | 1,545.2      | 2,956.2                | 2,816.0                 | 140.27                    | 21.075             |          |
| 18,100.0                                                                   | 12,650.0              | 15,548.5              | 10,087.8              | 117.1            | 115.6         | -30.12                | -6,543.4                            | 1,545.8      | 2,956.4                | 2,814.1                 | 142.28                    | 20.779             |          |
| 18,200.0                                                                   | 12,650.0              | 15,738.9              | 10,089.9              | 118.7            | 118.6         | -30.14                | -6,733.7                            | 1,547.0      | 2,955.8                | 2,810.1                 | 145.68                    | 20.289             |          |
| 18,300.0                                                                   | 12,650.0              | 15,855.7              | 10,094.1              | 120.2            | 120.4         | -30.18                | -6,850.5                            | 1,547.3      | 2,952.5                | 2,804.5                 | 148.02                    | 19.946             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #502H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 29-MWD                                                     |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 18,400.0                                                                   | 12,650.0              | 15,922.1              | 10,096.1              | 121.8            | 121.5         | -30.19                | -6,916.9                            | 1,547.4      | 2,949.7                | 2,800.0                 | 149.61                    | 19.716             |          |
| 18,500.0                                                                   | 12,650.0              | 16,016.7              | 10,098.0              | 123.3            | 123.0         | -30.20                | -7,011.5                            | 1,547.6      | 2,947.7                | 2,796.1                 | 151.59                    | 19.445             |          |
| 18,600.0                                                                   | 12,650.0              | 16,126.4              | 10,100.5              | 124.9            | 124.7         | -30.22                | -7,121.1                            | 1,547.6      | 2,945.4                | 2,791.6                 | 153.80                    | 19.151             |          |
| 18,700.0                                                                   | 12,650.0              | 16,220.2              | 10,102.7              | 126.4            | 126.2         | -30.23                | -7,214.9                            | 1,547.6      | 2,943.1                | 2,787.3                 | 155.77                    | 18.894             |          |
| 18,800.0                                                                   | 12,650.0              | 16,300.6              | 10,104.2              | 128.0            | 127.5         | -30.24                | -7,295.3                            | 1,547.6      | 2,941.1                | 2,783.6                 | 157.54                    | 18.669             |          |
| 18,900.0                                                                   | 12,650.0              | 16,386.5              | 10,105.4              | 129.5            | 128.9         | -30.25                | -7,381.1                            | 1,548.0      | 2,939.9                | 2,780.5                 | 159.40                    | 18.444             |          |
| 19,000.0                                                                   | 12,650.0              | 16,480.8              | 10,106.4              | 131.1            | 130.4         | -30.25                | -7,475.5                            | 1,548.6      | 2,939.0                | 2,777.6                 | 161.38                    | 18.211             |          |
| 19,100.0                                                                   | 12,650.0              | 16,556.3              | 10,106.9              | 132.6            | 131.6         | -30.26                | -7,550.9                            | 1,548.9      | 2,938.4                | 2,775.3                 | 163.07                    | 18.019             |          |
| 19,102.6                                                                   | 12,650.0              | 16,557.9              | 10,106.9              | 132.7            | 131.6         | -30.26                | -7,552.6                            | 1,548.9      | 2,938.4                | 2,775.3                 | 163.10                    | 18.015             |          |
| 19,200.0                                                                   | 12,650.0              | 16,625.7              | 10,106.1              | 134.2            | 132.7         | -30.24                | -7,620.4                            | 1,549.0      | 2,939.0                | 2,774.4                 | 164.61                    | 17.855             |          |
| 19,300.0                                                                   | 12,650.0              | 16,734.7              | 10,105.6              | 135.8            | 134.4         | -30.23                | -7,729.4                            | 1,549.3      | 2,939.2                | 2,772.4                 | 166.77                    | 17.624             |          |
| 19,400.0                                                                   | 12,650.0              | 16,778.9              | 10,104.9              | 137.3            | 135.1         | -30.23                | -7,773.6                            | 1,549.8      | 2,940.8                | 2,772.9                 | 167.92                    | 17.514             |          |
| 19,500.0                                                                   | 12,650.0              | 16,946.0              | 10,102.3              | 138.9            | 137.8         | -30.22                | -7,940.6                            | 1,552.1      | 2,942.8                | 2,771.7                 | 171.03                    | 17.206             |          |
| 19,600.0                                                                   | 12,650.0              | 17,018.5              | 10,102.1              | 140.5            | 138.9         | -30.23                | -8,013.1                            | 1,552.9      | 2,943.3                | 2,770.6                 | 172.68                    | 17.045             |          |
| 19,700.0                                                                   | 12,650.0              | 17,063.0              | 10,101.1              | 142.1            | 139.7         | -30.22                | -8,057.6                            | 1,553.4      | 2,945.5                | 2,771.7                 | 173.81                    | 16.946             |          |
| 19,800.0                                                                   | 12,650.0              | 17,235.0              | 10,097.3              | 143.6            | 142.4         | -30.20                | -8,229.5                            | 1,555.4      | 2,947.9                | 2,770.9                 | 176.98                    | 16.656             |          |
| 19,900.0                                                                   | 12,650.0              | 17,341.5              | 10,096.7              | 145.2            | 144.1         | -30.20                | -8,336.0                            | 1,556.2      | 2,948.4                | 2,769.3                 | 179.14                    | 16.459             |          |
| 20,000.0                                                                   | 12,650.0              | 17,442.3              | 10,096.5              | 146.8            | 145.7         | -30.20                | -8,436.7                            | 1,557.3      | 2,948.9                | 2,767.6                 | 181.23                    | 16.271             |          |
| 20,100.0                                                                   | 12,650.0              | 17,539.8              | 10,096.3              | 148.4            | 147.3         | -30.21                | -8,534.3                            | 1,558.5      | 2,949.3                | 2,766.1                 | 183.29                    | 16.091             |          |
| 20,200.0                                                                   | 12,650.0              | 17,606.1              | 10,095.7              | 150.0            | 148.4         | -30.21                | -8,600.5                            | 1,559.1      | 2,950.3                | 2,765.5                 | 184.81                    | 15.964             |          |
| 20,300.0                                                                   | 12,650.0              | 17,674.9              | 10,093.8              | 151.6            | 149.5         | -30.19                | -8,669.4                            | 1,559.7      | 2,952.7                | 2,766.4                 | 186.34                    | 15.846             |          |
| 20,400.0                                                                   | 12,650.0              | 17,831.3              | 10,092.0              | 153.2            | 152.0         | -30.18                | -8,825.7                            | 1,561.0      | 2,953.5                | 2,764.2                 | 189.28                    | 15.604             |          |
| 20,500.0                                                                   | 12,650.0              | 17,929.4              | 10,091.1              | 154.7            | 153.6         | -30.18                | -8,923.8                            | 1,561.8      | 2,954.4                | 2,763.1                 | 191.31                    | 15.443             |          |
| 20,600.0                                                                   | 12,650.0              | 18,026.9              | 10,090.2              | 156.3            | 155.1         | -30.17                | -9,021.3                            | 1,562.7      | 2,955.3                | 2,762.0                 | 193.34                    | 15.286             |          |
| 20,700.0                                                                   | 12,650.0              | 18,118.3              | 10,089.4              | 157.9            | 156.6         | -30.17                | -9,112.7                            | 1,563.8      | 2,956.4                | 2,761.1                 | 195.28                    | 15.139             |          |
| 20,800.0                                                                   | 12,650.0              | 18,224.8              | 10,088.1              | 159.5            | 158.3         | -30.17                | -9,219.2                            | 1,564.9      | 2,957.6                | 2,760.2                 | 197.45                    | 14.979             |          |
| 20,900.0                                                                   | 12,650.0              | 18,308.3              | 10,087.1              | 161.1            | 159.7         | -30.16                | -9,302.6                            | 1,565.8      | 2,958.9                | 2,759.7                 | 199.25                    | 14.850             |          |
| 21,000.0                                                                   | 12,650.0              | 18,381.4              | 10,085.5              | 162.7            | 160.9         | -30.15                | -9,375.8                            | 1,566.5      | 2,960.9                | 2,760.1                 | 200.86                    | 14.741             |          |
| 21,100.0                                                                   | 12,650.0              | 18,579.3              | 10,085.0              | 164.3            | 164.1         | -30.17                | -9,573.5                            | 1,569.2      | 2,961.4                | 2,756.8                 | 204.55                    | 14.477             |          |
| 21,195.4                                                                   | 12,650.0              | 18,651.0              | 10,086.0              | 165.8            | 165.2         | -30.20                | -9,645.2                            | 1,570.8      | 2,961.0                | 2,754.7                 | 206.28                    | 14.354             |          |
| 21,200.0                                                                   | 12,650.0              | 18,654.4              | 10,086.1              | 165.9            | 165.3         | -30.21                | -9,648.6                            | 1,570.9      | 2,961.0                | 2,754.6                 | 206.37                    | 14.348             |          |
| 21,300.0                                                                   | 12,650.0              | 18,731.2              | 10,087.0              | 167.5            | 166.5         | -30.25                | -9,725.4                            | 1,573.7      | 2,961.4                | 2,753.2                 | 208.25                    | 14.221             |          |
| 21,400.0                                                                   | 12,650.0              | 18,815.5              | 10,087.9              | 169.1            | 167.9         | -30.32                | -9,809.6                            | 1,577.6      | 2,962.5                | 2,752.2                 | 210.31                    | 14.086             |          |
| 21,500.0                                                                   | 12,650.0              | 18,898.8              | 10,088.8              | 170.7            | 169.2         | -30.40                | -9,892.8                            | 1,582.5      | 2,964.2                | 2,751.7                 | 212.41                    | 13.955             |          |
| 21,600.0                                                                   | 12,650.0              | 18,980.7              | 10,089.9              | 172.3            | 170.6         | -30.50                | -9,974.4                            | 1,588.3      | 2,966.4                | 2,751.8                 | 214.55                    | 13.826             |          |
| 21,700.0                                                                   | 12,650.0              | 19,114.6              | 10,090.6              | 173.9            | 172.7         | -30.60                | -10,108.1                           | 1,595.1      | 2,968.1                | 2,750.6                 | 217.57                    | 13.642             |          |
| 21,800.0                                                                   | 12,650.0              | 19,331.5              | 10,091.2              | 175.5            | 176.3         | -30.63                | -10,324.9                           | 1,597.6      | 2,968.9                | 2,747.4                 | 221.49                    | 13.404             |          |
| 21,900.0                                                                   | 12,650.0              | 19,429.7              | 10,093.4              | 177.1            | 177.9         | -30.63                | -10,423.2                           | 1,596.9      | 2,966.3                | 2,742.7                 | 223.58                    | 13.267             |          |
| 22,000.0                                                                   | 12,650.0              | 22,000.0              | 10,097.7              | 178.7            | 219.6         | -30.67                | -10,549.7                           | 1,597.4      | 2,963.2                | 2,711.0                 | 252.18                    | 11.751 SF          |          |
| 22,100.0                                                                   | 12,650.0              | 19,618.1              | 10,099.7              | 180.3            | 180.9         | -30.68                | -10,611.4                           | 1,597.3      | 2,960.1                | 2,732.3                 | 227.81                    | 12.994             |          |
| 22,200.0                                                                   | 12,650.0              | 19,686.2              | 10,099.8              | 182.0            | 182.0         | -30.66                | -10,679.5                           | 1,596.5      | 2,959.0                | 2,729.6                 | 229.40                    | 12.899             |          |
| 22,300.0                                                                   | 12,650.0              | 19,801.1              | 10,102.1              | 183.6            | 183.9         | -30.66                | -10,794.4                           | 1,596.0      | 2,956.6                | 2,724.9                 | 231.74                    | 12.758             |          |
| 22,394.6                                                                   | 12,650.0              | 19,851.0              | 10,101.5              | 185.1            | 184.7         | -30.64                | -10,844.3                           | 1,594.9      | 2,956.0                | 2,723.0                 | 232.98                    | 12.688             |          |
| 22,400.0                                                                   | 12,650.0              | 19,851.0              | 10,101.5              | 185.2            | 184.7         | -30.64                | -10,844.3                           | 1,594.9      | 2,956.0                | 2,723.0                 | 233.01                    | 12.686             |          |
| 22,500.0                                                                   | 12,650.0              | 19,927.8              | 10,099.3              | 186.8            | 185.9         | -30.57                | -10,921.0                           | 1,592.6      | 2,956.7                | 2,722.2                 | 234.51                    | 12.608             |          |
| 22,600.0                                                                   | 12,650.0              | 19,988.0              | 10,097.0              | 188.4            | 186.9         | -30.51                | -10,981.1                           | 1,590.9      | 2,958.3                | 2,722.5                 | 235.76                    | 12.548             |          |
| 22,700.0                                                                   | 12,650.0              | 20,044.4              | 10,094.1              | 190.0            | 187.8         | -30.46                | -11,037.5                           | 1,589.8      | 2,961.3                | 2,724.4                 | 236.91                    | 12.500             |          |
| 22,800.0                                                                   | 12,650.0              | 20,187.9              | 10,088.6              | 191.6            | 190.2         | -30.38                | -11,180.8                           | 1,589.1      | 2,964.0                | 2,724.5                 | 239.48                    | 12.377             |          |
| 22,884.1                                                                   | 12,650.0              | 20,256.9              | 10,086.8              | 193.0            | 191.3         | -30.36                | -11,249.8                           | 1,589.7      | 2,966.0                | 2,725.1                 | 240.94                    | 12.310             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #503H - Wellbore #1 - BLM Plan #1 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error:    | 0.0 usft |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-----------------------|----------|
| Survey Program: 0-MWD                                                            |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error:    | 0.0 usft |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                       | Warning  |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor     |          |
| 0.0                                                                              | 0.0                   | 0.0                   | 0.0                   | 0.0              | 0.0           | -0.57                 | 34.9                                | -0.3         | 34.9                   |                         |                           |                       |          |
| 100.0                                                                            | 100.0                 | 100.0                 | 100.0                 | 0.1              | 0.1           | -0.57                 | 34.9                                | -0.3         | 34.9                   | 34.6                    | 0.26                      | 136.122               |          |
| 200.0                                                                            | 200.0                 | 200.0                 | 200.0                 | 0.5              | 0.5           | -0.57                 | 34.9                                | -0.3         | 34.9                   | 33.9                    | 0.97                      | 35.848                |          |
| 300.0                                                                            | 300.0                 | 300.0                 | 300.0                 | 0.8              | 0.8           | -0.57                 | 34.9                                | -0.3         | 34.9                   | 33.2                    | 1.69                      | 20.642                |          |
| 400.0                                                                            | 400.0                 | 400.0                 | 400.0                 | 1.2              | 1.2           | -0.57                 | 34.9                                | -0.3         | 34.9                   | 32.5                    | 2.41                      | 14.494                |          |
| 500.0                                                                            | 500.0                 | 500.0                 | 500.0                 | 1.6              | 1.6           | -0.57                 | 34.9                                | -0.3         | 34.9                   | 31.8                    | 3.12                      | 11.168                |          |
| 600.0                                                                            | 600.0                 | 600.0                 | 600.0                 | 1.9              | 1.9           | -0.57                 | 34.9                                | -0.3         | 34.9                   | 31.0                    | 3.84                      | 9.083                 |          |
| 700.0                                                                            | 700.0                 | 700.0                 | 700.0                 | 2.3              | 2.3           | -0.57                 | 34.9                                | -0.3         | 34.9                   | 30.3                    | 4.56                      | 7.655                 |          |
| 800.0                                                                            | 800.0                 | 800.0                 | 800.0                 | 2.6              | 2.6           | -0.57                 | 34.9                                | -0.3         | 34.9                   | 29.6                    | 5.27                      | 6.614                 |          |
| 900.0                                                                            | 900.0                 | 900.0                 | 900.0                 | 3.0              | 3.0           | -0.57                 | 34.9                                | -0.3         | 34.9                   | 28.9                    | 5.99                      | 5.823                 |          |
| 1,000.0                                                                          | 1,000.0               | 1,000.0               | 1,000.0               | 3.4              | 3.4           | -0.57                 | 34.9                                | -0.3         | 34.9                   | 28.2                    | 6.71                      | 5.200                 |          |
| 1,100.0                                                                          | 1,100.0               | 1,100.0               | 1,100.0               | 3.7              | 3.7           | -0.57                 | 34.9                                | -0.3         | 34.9                   | 27.5                    | 7.43                      | 4.698                 |          |
| 1,200.0                                                                          | 1,200.0               | 1,200.0               | 1,200.0               | 4.1              | 4.1           | -0.57                 | 34.9                                | -0.3         | 34.9                   | 26.7                    | 8.14                      | 4.285                 |          |
| 1,300.0                                                                          | 1,300.0               | 1,300.0               | 1,300.0               | 4.4              | 4.4           | -0.57                 | 34.9                                | -0.3         | 34.9                   | 26.0                    | 8.86                      | 3.938                 |          |
| 1,400.0                                                                          | 1,400.0               | 1,400.0               | 1,400.0               | 4.8              | 4.8           | -0.57                 | 34.9                                | -0.3         | 34.9                   | 25.3                    | 9.58                      | 3.643                 |          |
| 1,500.0                                                                          | 1,500.0               | 1,500.0               | 1,500.0               | 5.1              | 5.1           | -0.57                 | 34.9                                | -0.3         | 34.9                   | 24.6                    | 10.29                     | 3.389                 |          |
| 1,600.0                                                                          | 1,600.0               | 1,600.0               | 1,600.0               | 5.5              | 5.5           | -0.57                 | 34.9                                | -0.3         | 34.9                   | 23.9                    | 11.01                     | 3.169                 |          |
| 1,700.0                                                                          | 1,700.0               | 1,700.0               | 1,700.0               | 5.9              | 5.9           | -0.57                 | 34.9                                | -0.3         | 34.9                   | 23.2                    | 11.73                     | 2.975                 |          |
| 1,800.0                                                                          | 1,800.0               | 1,800.0               | 1,800.0               | 6.2              | 6.2           | -0.57                 | 34.9                                | -0.3         | 34.9                   | 22.4                    | 12.44                     | 2.804                 |          |
| 1,900.0                                                                          | 1,900.0               | 1,900.0               | 1,900.0               | 6.6              | 6.6           | -0.57                 | 34.9                                | -0.3         | 34.9                   | 21.7                    | 13.16                     | 2.651                 |          |
| 2,000.0                                                                          | 2,000.0               | 2,000.0               | 2,000.0               | 6.9              | 6.9           | -0.57                 | 34.9                                | -0.3         | 34.9                   | 21.0                    | 13.88                     | 2.514                 |          |
| 2,100.0                                                                          | 2,100.0               | 2,100.0               | 2,100.0               | 7.3              | 7.3           | -0.57                 | 34.9                                | -0.3         | 34.9                   | 20.3                    | 14.60                     | 2.390                 |          |
| 2,200.0                                                                          | 2,200.0               | 2,200.0               | 2,200.0               | 7.7              | 7.7           | -0.57                 | 34.9                                | -0.3         | 34.9                   | 19.6                    | 15.31                     | 2.279                 |          |
| 2,300.0                                                                          | 2,300.0               | 2,300.0               | 2,300.0               | 8.0              | 8.0           | -0.57                 | 34.9                                | -0.3         | 34.9                   | 18.9                    | 16.03                     | 2.177                 |          |
| 2,400.0                                                                          | 2,400.0               | 2,400.0               | 2,400.0               | 8.4              | 8.4           | -0.57                 | 34.9                                | -0.3         | 34.9                   | 18.1                    | 16.75                     | 2.083                 |          |
| 2,500.0                                                                          | 2,500.0               | 2,500.0               | 2,500.0               | 8.7              | 8.7           | -0.57                 | 34.9                                | -0.3         | 34.9                   | 17.4                    | 17.46                     | 1.998                 |          |
| 2,600.0                                                                          | 2,600.0               | 2,600.0               | 2,600.0               | 9.1              | 9.1           | -0.57                 | 34.9                                | -0.3         | 34.9                   | 16.7                    | 18.18                     | 1.919                 |          |
| 2,700.0                                                                          | 2,700.0               | 2,700.0               | 2,700.0               | 9.4              | 9.4           | -0.57                 | 34.9                                | -0.3         | 34.9                   | 16.0                    | 18.90                     | 1.846                 |          |
| 2,800.0                                                                          | 2,800.0               | 2,800.0               | 2,800.0               | 9.8              | 9.8           | -0.57                 | 34.9                                | -0.3         | 34.9                   | 15.3                    | 19.61                     | 1.779                 |          |
| 2,900.0                                                                          | 2,900.0               | 2,900.0               | 2,900.0               | 10.2             | 10.2          | -0.57                 | 34.9                                | -0.3         | 34.9                   | 14.6                    | 20.33                     | 1.716                 |          |
| 3,000.0                                                                          | 3,000.0               | 3,000.0               | 3,000.0               | 10.5             | 10.5          | -0.57                 | 34.9                                | -0.3         | 34.9                   | 13.8                    | 21.05                     | 1.658                 |          |
| 3,100.0                                                                          | 3,100.0               | 3,100.0               | 3,100.0               | 10.9             | 10.9          | -0.57                 | 34.9                                | -0.3         | 34.9                   | 13.1                    | 21.76                     | 1.603                 |          |
| 3,200.0                                                                          | 3,200.0               | 3,200.0               | 3,200.0               | 11.2             | 11.2          | -0.57                 | 34.9                                | -0.3         | 34.9                   | 12.4                    | 22.48                     | 1.552                 |          |
| 3,300.0                                                                          | 3,300.0               | 3,300.0               | 3,300.0               | 11.6             | 11.6          | -0.57                 | 34.9                                | -0.3         | 34.9                   | 11.7                    | 23.20                     | 1.504                 |          |
| 3,400.0                                                                          | 3,400.0               | 3,400.0               | 3,400.0               | 12.0             | 12.0          | -0.57                 | 34.9                                | -0.3         | 34.9                   | 11.0                    | 23.92                     | 1.459 Level 3         |          |
| 3,500.0                                                                          | 3,500.0               | 3,500.0               | 3,500.0               | 12.3             | 12.3          | -0.57                 | 34.9                                | -0.3         | 34.9                   | 10.3                    | 24.63                     | 1.416 Level 3         |          |
| 3,600.0                                                                          | 3,600.0               | 3,600.0               | 3,600.0               | 12.7             | 12.7          | -0.57                 | 34.9                                | -0.3         | 34.9                   | 9.5                     | 25.35                     | 1.376 Level 3         |          |
| 3,700.0                                                                          | 3,700.0               | 3,700.0               | 3,700.0               | 13.0             | 13.0          | -0.57                 | 34.9                                | -0.3         | 34.9                   | 8.8                     | 26.07                     | 1.338 Level 3         |          |
| 3,800.0                                                                          | 3,800.0               | 3,800.0               | 3,800.0               | 13.4             | 13.4          | -0.57                 | 34.9                                | -0.3         | 34.9                   | 8.1                     | 26.78                     | 1.303 Level 3, CC     |          |
| 3,804.3                                                                          | 3,804.3               | 3,804.3               | 3,804.3               | 13.4             | 13.4          | -90.58                | 34.9                                | -0.3         | 34.9                   | 8.1                     | 26.81                     | 1.301 Level 3         |          |
| 3,900.0                                                                          | 3,900.0               | 3,900.0               | 3,900.0               | 13.7             | 13.8          | -93.43                | 34.9                                | -0.3         | 35.0                   | 7.5                     | 27.49                     | 1.271 Level 3         |          |
| 4,000.0                                                                          | 3,999.8               | 3,999.8               | 3,999.8               | 14.1             | 14.1          | -101.83               | 34.9                                | -0.3         | 35.6                   | 7.5                     | 28.19                     | 1.265 Level 3         |          |
| 4,100.0                                                                          | 4,099.6               | 4,100.6               | 4,100.6               | 14.4             | 14.5          | -113.99               | 33.2                                | -0.8         | 36.3                   | 7.4                     | 28.87                     | 1.258 Level 3         |          |
| 4,176.0                                                                          | 4,175.4               | 4,176.9               | 4,176.8               | 14.7             | 14.7          | -125.33               | 29.6                                | -1.7         | 36.3                   | 6.9                     | 29.36                     | 1.235 Level 2         |          |
| 4,200.0                                                                          | 4,199.4               | 4,201.0               | 4,200.9               | 14.8             | 14.8          | -129.40               | 28.0                                | -2.1         | 36.3                   | 6.8                     | 29.52                     | 1.229 Level 2, ES, SF |          |
| 4,300.0                                                                          | 4,299.1               | 4,300.8               | 4,300.3               | 15.1             | 15.1          | -148.61               | 19.6                                | -4.2         | 37.6                   | 7.4                     | 30.19                     | 1.245 Level 2         |          |
| 4,400.0                                                                          | 4,398.9               | 4,399.8               | 4,398.5               | 15.5             | 15.4          | -169.36               | 7.9                                 | -7.1         | 42.7                   | 11.8                    | 30.87                     | 1.383 Level 3         |          |
| 4,500.0                                                                          | 4,498.6               | 4,497.7               | 4,495.2               | 15.8             | 15.7          | 172.41                | -7.0                                | -10.8        | 53.2                   | 21.7                    | 31.46                     | 1.691                 |          |
| 4,600.0                                                                          | 4,598.5               | 4,594.5               | 4,590.2               | 16.2             | 16.1          | 158.33                | -24.7                               | -15.2        | 67.9                   | 36.0                    | 31.96                     | 2.125                 |          |
| 4,700.0                                                                          | 4,698.4               | 4,690.1               | 4,683.5               | 16.5             | 16.4          | 147.28                | -45.4                               | -20.3        | 85.5                   | 53.1                    | 32.37                     | 2.641                 |          |
| 4,766.7                                                                          | 4,765.1               | 4,754.8               | 4,746.3               | 16.8             | 16.6          | -128.72               | -60.3                               | -24.0        | 98.2                   | 65.5                    | 32.73                     | 3.000                 |          |
| 4,800.0                                                                          | 4,798.4               | 4,787.2               | 4,777.8               | 16.9             | 16.7          | -131.32               | -67.8                               | -25.9        | 104.7                  | 71.7                    | 32.92                     | 3.180                 |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #503H - Wellbore #1 - BLM Plan #1 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-MWD                                                            |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 4,900.0                                                                          | 4,898.4               | 4,884.4               | 4,872.1               | 17.2             | 17.1          | -137.49               | -90.1                               | -31.5        | 125.1                  | 91.6                    | 33.51                     | 3.732              |          |
| 5,000.0                                                                          | 4,998.4               | 4,981.5               | 4,966.5               | 17.6             | 17.5          | -141.91               | -112.5                              | -37.0        | 146.5                  | 112.3                   | 34.14                     | 4.291              |          |
| 5,100.0                                                                          | 5,098.4               | 5,078.6               | 5,060.9               | 17.9             | 17.8          | -145.19               | -134.9                              | -42.6        | 168.5                  | 133.7                   | 34.78                     | 4.844              |          |
| 5,200.0                                                                          | 5,198.4               | 5,175.8               | 5,155.2               | 18.3             | 18.2          | -147.72               | -157.3                              | -48.2        | 191.0                  | 155.5                   | 35.44                     | 5.388              |          |
| 5,300.0                                                                          | 5,298.4               | 5,272.9               | 5,249.6               | 18.7             | 18.6          | -149.71               | -179.6                              | -53.8        | 213.7                  | 177.6                   | 36.11                     | 5.918              |          |
| 5,400.0                                                                          | 5,398.4               | 5,370.1               | 5,344.0               | 19.0             | 19.0          | -151.33               | -202.0                              | -59.3        | 236.6                  | 199.8                   | 36.78                     | 6.433              |          |
| 5,500.0                                                                          | 5,498.4               | 5,467.2               | 5,438.3               | 19.4             | 19.4          | -152.65               | -224.4                              | -64.9        | 259.7                  | 222.2                   | 37.46                     | 6.933              |          |
| 5,600.0                                                                          | 5,598.4               | 5,564.3               | 5,532.7               | 19.7             | 19.7          | -153.76               | -246.8                              | -70.5        | 282.9                  | 244.7                   | 38.14                     | 7.417              |          |
| 5,700.0                                                                          | 5,698.4               | 5,661.5               | 5,627.1               | 20.1             | 20.2          | -154.71               | -269.2                              | -76.0        | 306.1                  | 267.3                   | 38.82                     | 7.885              |          |
| 5,766.7                                                                          | 5,765.1               | 5,726.2               | 5,690.0               | 20.3             | 20.4          | -155.26               | -284.1                              | -79.8        | 321.7                  | 282.4                   | 39.28                     | 8.189              |          |
| 5,800.0                                                                          | 5,798.4               | 5,758.7               | 5,721.5               | 20.4             | 20.6          | 26.11                 | -291.6                              | -81.6        | 329.3                  | 289.8                   | 39.50                     | 8.336              |          |
| 5,900.0                                                                          | 5,898.4               | 5,856.4               | 5,816.4               | 20.8             | 21.0          | 25.43                 | -314.1                              | -87.2        | 350.1                  | 310.0                   | 40.17                     | 8.717              |          |
| 6,000.0                                                                          | 5,998.1               | 5,954.8               | 5,912.0               | 21.1             | 21.4          | 25.07                 | -336.7                              | -92.9        | 367.9                  | 327.0                   | 40.84                     | 9.008              |          |
| 6,100.0                                                                          | 6,097.7               | 6,053.7               | 6,008.1               | 21.4             | 21.8          | 24.98                 | -359.5                              | -98.5        | 382.5                  | 341.0                   | 41.52                     | 9.212              |          |
| 6,200.0                                                                          | 6,196.8               | 6,153.1               | 6,104.6               | 21.8             | 22.3          | 25.13                 | -382.4                              | -104.2       | 394.0                  | 351.8                   | 42.21                     | 9.335              |          |
| 6,229.5                                                                          | 6,225.9               | 6,182.4               | 6,133.1               | 21.8             | 22.4          | 25.22                 | -389.2                              | -105.9       | 396.8                  | 354.4                   | 42.41                     | 9.356              |          |
| 6,300.0                                                                          | 6,295.5               | 6,252.6               | 6,201.3               | 22.1             | 22.7          | 25.51                 | -405.3                              | -109.9       | 403.2                  | 360.3                   | 42.90                     | 9.397              |          |
| 6,400.0                                                                          | 6,394.2               | 6,352.2               | 6,298.0               | 22.4             | 23.1          | 25.89                 | -428.3                              | -115.6       | 412.2                  | 368.6                   | 43.60                     | 9.454              |          |
| 6,500.0                                                                          | 6,492.9               | 6,451.7               | 6,394.7               | 22.7             | 23.6          | 26.27                 | -451.2                              | -121.4       | 421.2                  | 376.9                   | 44.30                     | 9.508              |          |
| 6,600.0                                                                          | 6,591.6               | 6,551.3               | 6,491.4               | 23.1             | 24.0          | 26.62                 | -474.1                              | -127.1       | 430.3                  | 385.3                   | 45.01                     | 9.560              |          |
| 6,700.0                                                                          | 6,690.3               | 6,650.8               | 6,588.1               | 23.4             | 24.5          | 26.96                 | -497.1                              | -132.8       | 439.4                  | 393.7                   | 45.72                     | 9.611              |          |
| 6,800.0                                                                          | 6,789.0               | 6,750.4               | 6,684.8               | 23.8             | 24.9          | 27.29                 | -520.0                              | -138.5       | 448.5                  | 402.1                   | 46.43                     | 9.659              |          |
| 6,900.0                                                                          | 6,887.7               | 6,849.9               | 6,781.5               | 24.1             | 25.4          | 27.60                 | -543.0                              | -144.2       | 457.6                  | 410.5                   | 47.15                     | 9.706              |          |
| 7,000.0                                                                          | 6,986.4               | 6,949.5               | 6,878.2               | 24.5             | 25.9          | 27.91                 | -565.9                              | -149.9       | 466.7                  | 418.9                   | 47.87                     | 9.751              |          |
| 7,100.0                                                                          | 7,085.1               | 7,049.0               | 6,974.9               | 24.8             | 26.3          | 28.20                 | -588.8                              | -155.6       | 475.9                  | 427.3                   | 48.59                     | 9.794              |          |
| 7,200.0                                                                          | 7,183.8               | 7,148.6               | 7,071.6               | 25.2             | 26.8          | 28.48                 | -611.8                              | -161.3       | 485.0                  | 435.7                   | 49.31                     | 9.835              |          |
| 7,300.0                                                                          | 7,282.5               | 7,248.1               | 7,168.4               | 25.6             | 27.3          | 28.75                 | -634.7                              | -167.0       | 494.2                  | 444.1                   | 50.04                     | 9.875              |          |
| 7,400.0                                                                          | 7,381.2               | 7,347.7               | 7,265.1               | 25.9             | 27.7          | 29.01                 | -657.6                              | -172.7       | 503.3                  | 452.6                   | 50.77                     | 9.914              |          |
| 7,500.0                                                                          | 7,479.8               | 7,447.2               | 7,361.8               | 26.3             | 28.2          | 29.26                 | -680.6                              | -178.5       | 512.5                  | 461.0                   | 51.50                     | 9.951              |          |
| 7,600.0                                                                          | 7,578.5               | 7,546.8               | 7,458.5               | 26.7             | 28.7          | 29.50                 | -703.5                              | -184.2       | 521.7                  | 469.5                   | 52.24                     | 9.987              |          |
| 7,700.0                                                                          | 7,677.2               | 7,646.4               | 7,555.2               | 27.0             | 29.1          | 29.73                 | -726.4                              | -189.9       | 530.9                  | 477.9                   | 52.98                     | 10.022             |          |
| 7,800.0                                                                          | 7,775.9               | 7,745.9               | 7,651.9               | 27.4             | 29.6          | 29.96                 | -749.4                              | -195.6       | 540.1                  | 486.4                   | 53.72                     | 10.055             |          |
| 7,900.0                                                                          | 7,874.6               | 7,845.5               | 7,748.6               | 27.8             | 30.1          | 30.17                 | -772.3                              | -201.3       | 549.3                  | 494.9                   | 54.46                     | 10.087             |          |
| 8,000.0                                                                          | 7,973.3               | 7,945.0               | 7,845.3               | 28.2             | 30.6          | 30.38                 | -795.2                              | -207.0       | 558.6                  | 503.4                   | 55.20                     | 10.118             |          |
| 8,100.0                                                                          | 8,072.0               | 8,044.6               | 7,942.0               | 28.6             | 31.1          | 30.59                 | -818.2                              | -212.7       | 567.8                  | 511.8                   | 55.95                     | 10.148             |          |
| 8,200.0                                                                          | 8,170.7               | 8,147.4               | 8,041.9               | 28.9             | 31.6          | 30.79                 | -841.8                              | -218.6       | 577.0                  | 520.2                   | 56.76                     | 10.165             |          |
| 8,300.0                                                                          | 8,269.4               | 8,264.2               | 8,155.9               | 29.3             | 32.1          | 31.08                 | -866.4                              | -224.7       | 584.2                  | 526.4                   | 57.80                     | 10.188             |          |
| 8,400.0                                                                          | 8,368.1               | 8,381.3               | 8,271.0               | 29.7             | 32.6          | 31.46                 | -887.6                              | -230.0       | 588.5                  | 529.7                   | 58.79                     | 10.011             |          |
| 8,500.0                                                                          | 8,466.8               | 8,498.6               | 8,386.8               | 30.1             | 33.1          | 31.93                 | -905.4                              | -234.4       | 589.8                  | 530.1                   | 59.73                     | 9.876              |          |
| 8,600.0                                                                          | 8,565.5               | 8,615.8               | 8,503.1               | 30.5             | 33.6          | 32.50                 | -919.8                              | -238.0       | 588.3                  | 527.7                   | 60.62                     | 9.705              |          |
| 8,700.0                                                                          | 8,664.2               | 8,732.6               | 8,619.4               | 30.9             | 34.1          | 33.17                 | -930.6                              | -240.7       | 583.9                  | 522.4                   | 61.46                     | 9.500              |          |
| 8,800.0                                                                          | 8,762.9               | 8,849.0               | 8,735.4               | 31.3             | 34.5          | 33.97                 | -938.0                              | -242.5       | 576.7                  | 514.4                   | 62.25                     | 9.263              |          |
| 8,900.0                                                                          | 8,861.6               | 8,964.5               | 8,851.0               | 31.7             | 34.9          | 34.90                 | -941.9                              | -243.5       | 566.6                  | 503.6                   | 62.99                     | 8.995              |          |
| 9,000.0                                                                          | 8,960.3               | 9,059.1               | 8,945.5               | 32.1             | 35.2          | 35.76                 | -943.0                              | -243.7       | 554.5                  | 490.8                   | 63.75                     | 8.699              |          |
| 9,100.0                                                                          | 9,059.0               | 9,114.6               | 9,000.8               | 32.5             | 35.4          | 36.05                 | -947.5                              | -243.7       | 548.1                  | 483.7                   | 64.37                     | 8.515              |          |
| 9,130.0                                                                          | 9,088.6               | 9,131.4               | 9,017.4               | 32.6             | 35.5          | 36.07                 | -949.9                              | -243.7       | 547.7                  | 483.3                   | 64.49                     | 8.494              |          |
| 9,200.0                                                                          | 9,157.7               | 9,170.5               | 9,055.8               | 32.9             | 35.6          | 36.01                 | -957.3                              | -243.7       | 549.7                  | 485.1                   | 64.62                     | 8.507              |          |
| 9,300.0                                                                          | 9,256.4               | 9,225.7               | 9,108.9               | 33.3             | 35.9          | 35.67                 | -972.3                              | -243.7       | 559.3                  | 494.9                   | 64.47                     | 8.675              |          |
| 9,400.0                                                                          | 9,355.1               | 9,279.2               | 9,158.7               | 33.7             | 36.2          | 35.06                 | -991.6                              | -243.6       | 576.9                  | 513.0                   | 63.94                     | 9.023              |          |
| 9,500.0                                                                          | 9,453.8               | 9,330.2               | 9,204.4               | 34.1             | 36.5          | 34.25                 | -1,014.3                            | -243.6       | 602.2                  | 539.2                   | 63.03                     | 9.554              |          |
| 9,600.0                                                                          | 9,552.5               | 9,378.2               | 9,245.4               | 34.5             | 36.8          | 33.32                 | -1,039.3                            | -243.5       | 634.9                  | 573.1                   | 61.79                     | 10.275             |          |
| 9,700.0                                                                          | 9,651.2               | 9,422.7               | 9,281.4               | 34.9             | 37.2          | 32.34                 | -1,065.5                            | -243.5       | 674.7                  | 614.4                   | 60.29                     | 11.191             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #503H - Wellbore #1 - BLM Plan #1 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-MWMD                                                           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 9,800.0                                                                          | 9,749.9               | 9,463.8               | 9,312.8               | 35.3             | 37.5          | 31.37                 | -1,092.0                            | -243.4       | 720.9                  | 662.4                   | 58.59                     | 12.305             |          |
| 9,900.0                                                                          | 9,848.6               | 9,500.0               | 9,338.7               | 35.7             | 37.7          | 30.46                 | -1,117.2                            | -243.4       | 773.1                  | 716.4                   | 56.72                     | 13.631             |          |
| 10,000.0                                                                         | 9,947.3               | 9,535.5               | 9,362.6               | 36.1             | 38.0          | 29.55                 | -1,143.5                            | -243.4       | 830.6                  | 775.7                   | 54.93                     | 15.122             |          |
| 10,100.0                                                                         | 10,046.0              | 9,566.6               | 9,382.2               | 36.5             | 38.3          | 28.74                 | -1,167.6                            | -243.3       | 892.9                  | 839.8                   | 53.10                     | 16.816             |          |
| 10,200.0                                                                         | 10,144.7              | 9,600.0               | 9,401.7               | 36.9             | 38.6          | 27.87                 | -1,194.7                            | -243.3       | 959.3                  | 907.7                   | 51.55                     | 18.608             |          |
| 10,300.0                                                                         | 10,243.4              | 9,620.4               | 9,412.8               | 37.3             | 38.8          | 27.34                 | -1,211.8                            | -243.2       | 1,029.3                | 979.6                   | 49.64                     | 20.735             |          |
| 10,400.0                                                                         | 10,342.1              | 9,650.0               | 9,427.8               | 37.7             | 39.0          | 26.58                 | -1,237.3                            | -243.2       | 1,102.5                | 1,054.2                 | 48.33                     | 22.812             |          |
| 10,500.0                                                                         | 10,440.8              | 9,650.0               | 9,427.8               | 38.1             | 39.0          | 26.58                 | -1,237.3                            | -243.2       | 1,178.7                | 1,132.6                 | 46.04                     | 25.602             |          |
| 10,600.0                                                                         | 10,539.5              | 9,683.9               | 9,443.4               | 38.5             | 39.4          | 25.72                 | -1,267.4                            | -243.1       | 1,256.7                | 1,211.5                 | 45.28                     | 27.756             |          |
| 10,700.0                                                                         | 10,638.2              | 9,700.0               | 9,450.2               | 39.0             | 39.5          | 25.32                 | -1,282.0                            | -243.1       | 1,337.2                | 1,293.2                 | 44.02                     | 30.378             |          |
| 10,800.0                                                                         | 10,736.9              | 9,717.4               | 9,457.0               | 39.4             | 39.7          | 24.90                 | -1,298.1                            | -243.1       | 1,419.5                | 1,376.5                 | 42.97                     | 33.032             |          |
| 10,900.0                                                                         | 10,835.6              | 9,732.1               | 9,462.4               | 39.8             | 39.8          | 24.54                 | -1,311.7                            | -243.1       | 1,503.4                | 1,461.4                 | 41.99                     | 35.803             |          |
| 11,000.0                                                                         | 10,934.3              | 9,750.0               | 9,468.5               | 40.2             | 40.0          | 24.11                 | -1,328.5                            | -243.0       | 1,588.8                | 1,547.5                 | 41.25                     | 38.517             |          |
| 11,100.0                                                                         | 11,033.0              | 9,750.0               | 9,468.5               | 40.6             | 40.0          | 24.11                 | -1,328.5                            | -243.0       | 1,675.4                | 1,635.3                 | 40.10                     | 41.775             |          |
| 11,200.0                                                                         | 11,131.7              | 9,769.5               | 9,474.6               | 41.0             | 40.2          | 23.66                 | -1,347.1                            | -243.0       | 1,763.0                | 1,723.3                 | 39.65                     | 44.468             |          |
| 11,300.0                                                                         | 11,230.4              | 9,780.1               | 9,477.6               | 41.4             | 40.3          | 23.41                 | -1,357.3                            | -243.0       | 1,851.7                | 1,812.6                 | 39.04                     | 47.428             |          |
| 11,400.0                                                                         | 11,329.1              | 9,800.0               | 9,482.8               | 41.9             | 40.5          | 22.96                 | -1,376.4                            | -242.9       | 1,941.3                | 1,902.6                 | 38.76                     | 50.084             |          |
| 11,500.0                                                                         | 11,427.8              | 9,800.0               | 9,482.8               | 42.3             | 40.5          | 22.96                 | -1,376.4                            | -242.9       | 2,031.5                | 1,993.5                 | 38.08                     | 53.354             |          |
| 11,535.3                                                                         | 11,462.6              | 9,800.0               | 9,482.8               | 42.4             | 40.5          | 22.96                 | -1,376.4                            | -242.9       | 2,063.6                | 2,025.7                 | 37.86                     | 54.507             |          |
| 11,600.0                                                                         | 11,526.5              | 9,800.0               | 9,482.8               | 42.7             | 40.5          | 23.84                 | -1,376.4                            | -242.9       | 2,122.8                | 2,085.3                 | 37.50                     | 56.607             |          |
| 11,700.0                                                                         | 11,625.7              | 9,800.0               | 9,482.8               | 43.1             | 40.5          | 25.41                 | -1,376.4                            | -242.9       | 2,215.7                | 2,178.7                 | 37.05                     | 59.804             |          |
| 11,800.0                                                                         | 11,725.1              | 9,821.3               | 9,487.6               | 43.5             | 40.7          | 26.62                 | -1,397.2                            | -242.9       | 2,309.5                | 2,272.4                 | 37.14                     | 62.186             |          |
| 11,900.0                                                                         | 11,824.8              | 9,826.8               | 9,488.7               | 43.9             | 40.7          | 28.60                 | -1,402.6                            | -242.9       | 2,404.7                | 2,367.7                 | 36.98                     | 65.025             |          |
| 12,000.0                                                                         | 11,924.7              | 9,850.0               | 9,492.8               | 44.2             | 41.0          | 30.25                 | -1,425.4                            | -242.9       | 2,501.1                | 2,463.9                 | 37.23                     | 67.178             |          |
| 12,100.0                                                                         | 12,024.6              | 9,850.0               | 9,492.8               | 44.6             | 41.0          | 33.31                 | -1,425.4                            | -242.9       | 2,598.0                | 2,560.8                 | 37.11                     | 70.010             |          |
| 12,152.4                                                                         | 12,077.0              | 9,850.0               | 9,492.8               | 44.7             | 41.0          | -146.48               | -1,425.4                            | -242.9       | 2,649.0                | 2,611.9                 | 37.07                     | 71.454             |          |
| 12,200.0                                                                         | 12,124.6              | 9,850.0               | 9,492.8               | 44.9             | 41.0          | 21.73                 | -1,425.4                            | -242.9       | 2,695.0                | 2,658.0                 | 37.02                     | 72.790             |          |
| 12,250.0                                                                         | 12,174.2              | 9,850.0               | 9,492.8               | 45.1             | 41.0          | 16.90                 | -1,425.4                            | -242.9       | 2,742.3                | 2,705.4                 | 36.93                     | 74.254             |          |
| 12,300.0                                                                         | 12,223.0              | 9,850.0               | 9,492.8               | 45.3             | 41.0          | 13.83                 | -1,425.4                            | -242.9       | 2,788.2                | 2,751.4                 | 36.80                     | 75.768             |          |
| 12,350.0                                                                         | 12,270.7              | 9,850.0               | 9,492.8               | 45.6             | 41.0          | 11.73                 | -1,425.4                            | -242.9       | 2,832.4                | 2,795.8                 | 36.63                     | 77.321             |          |
| 12,400.0                                                                         | 12,317.0              | 9,850.0               | 9,492.8               | 45.8             | 41.0          | 10.21                 | -1,425.4                            | -242.9       | 2,874.8                | 2,838.3                 | 36.43                     | 78.902             |          |
| 12,450.0                                                                         | 12,361.4              | 9,850.0               | 9,492.8               | 46.1             | 41.0          | 9.08                  | -1,425.4                            | -242.9       | 2,915.0                | 2,878.8                 | 36.21                     | 80.501             |          |
| 12,500.0                                                                         | 12,403.7              | 9,850.0               | 9,492.8               | 46.4             | 41.0          | 8.21                  | -1,425.4                            | -242.9       | 2,952.8                | 2,916.8                 | 35.96                     | 82.105             |          |
| 12,550.0                                                                         | 12,443.5              | 9,850.0               | 9,492.8               | 46.7             | 41.0          | 7.53                  | -1,425.4                            | -242.9       | 2,988.1                | 2,952.4                 | 35.70                     | 83.704             |          |
| 12,600.0                                                                         | 12,480.5              | 9,874.9               | 9,496.2               | 47.1             | 41.2          | 6.90                  | -1,450.1                            | -242.8       | 3,020.0                | 2,984.2                 | 35.77                     | 84.437             |          |
| 12,650.0                                                                         | 12,514.4              | 9,900.0               | 9,498.5               | 47.4             | 41.5          | 6.40                  | -1,475.1                            | -242.8       | 3,049.7                | 3,013.9                 | 35.81                     | 85.163             |          |
| 12,700.0                                                                         | 12,545.0              | 9,900.0               | 9,498.5               | 47.8             | 41.5          | 6.07                  | -1,475.1                            | -242.8       | 3,075.7                | 3,040.2                 | 35.49                     | 86.661             |          |
| 12,750.0                                                                         | 12,572.0              | 9,900.0               | 9,498.5               | 48.1             | 41.5          | 5.80                  | -1,475.1                            | -242.8       | 3,098.5                | 3,063.3                 | 35.17                     | 88.098             |          |
| 12,800.0                                                                         | 12,595.3              | 9,900.0               | 9,498.5               | 48.5             | 41.5          | 5.59                  | -1,475.1                            | -242.8       | 3,118.0                | 3,083.2                 | 34.85                     | 89.458             |          |
| 12,850.0                                                                         | 12,614.6              | 9,900.0               | 9,498.5               | 48.9             | 41.5          | 5.43                  | -1,475.1                            | -242.8       | 3,134.2                | 3,099.7                 | 34.55                     | 90.721             |          |
| 12,900.0                                                                         | 12,629.8              | 9,916.8               | 9,499.5               | 49.3             | 41.6          | 5.28                  | -1,491.9                            | -242.7       | 3,146.7                | 3,112.2                 | 34.44                     | 91.359             |          |
| 12,950.0                                                                         | 12,640.8              | 9,940.6               | 9,500.0               | 49.7             | 41.9          | 5.16                  | -1,515.6                            | -242.7       | 3,155.9                | 3,121.5                 | 34.41                     | 91.702             |          |
| 13,000.0                                                                         | 12,647.6              | 9,940.6               | 9,500.0               | 50.1             | 41.9          | 5.11                  | -1,515.6                            | -242.7       | 3,161.0                | 3,126.9                 | 34.14                     | 92.597             |          |
| 13,052.4                                                                         | 12,650.0              | 9,944.1               | 9,500.0               | 50.5             | 41.9          | 5.10                  | -1,512.2                            | -242.7       | 3,162.6                | 3,128.7                 | 33.87                     | 93.383             |          |
| 13,100.0                                                                         | 12,650.0              | 9,984.7               | 9,500.0               | 50.9             | 42.3          | 5.05                  | -1,559.7                            | -242.6       | 3,162.3                | 3,128.2                 | 34.09                     | 92.773             |          |
| 13,200.0                                                                         | 12,650.0              | 10,089.3              | 9,500.0               | 51.8             | 43.4          | 4.98                  | -1,664.3                            | -242.0       | 3,162.0                | 3,127.3                 | 34.71                     | 91.102             |          |
| 13,267.5                                                                         | 12,650.0              | 10,163.9              | 9,500.0               | 52.4             | 44.2          | 4.94                  | -1,738.8                            | -239.7       | 3,161.8                | 3,126.5                 | 35.21                     | 89.798             |          |
| 13,300.0                                                                         | 12,650.0              | 10,199.7              | 9,500.0               | 52.7             | 44.6          | 4.91                  | -1,774.7                            | -237.8       | 3,161.6                | 3,126.2                 | 35.45                     | 89.175             |          |
| 13,400.0                                                                         | 12,650.0              | 10,309.7              | 9,500.0               | 53.6             | 45.8          | 4.77                  | -1,884.4                            | -229.4       | 3,161.0                | 3,124.8                 | 36.24                     | 87.235             |          |
| 13,500.0                                                                         | 12,650.0              | 10,419.0              | 9,500.0               | 54.6             | 47.1          | 4.56                  | -1,992.9                            | -216.9       | 3,160.1                | 3,123.1                 | 37.04                     | 85.309             |          |
| 13,600.0                                                                         | 12,650.0              | 10,527.2              | 9,500.0               | 55.6             | 48.3          | 4.27                  | -2,099.9                            | -200.5       | 3,159.0                | 3,121.2                 | 37.86                     | 83.435             |          |
| 13,700.0                                                                         | 12,650.0              | 10,634.1              | 9,500.0               | 56.6             | 49.6          | 3.92                  | -2,204.8                            | -180.2       | 3,157.7                | 3,119.0                 | 38.69                     | 81.618             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #503H - Wellbore #1 - BLM Plan #1 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-MWMD                                                           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 13,800.0                                                                         | 12,650.0              | 10,739.4              | 9,500.0               | 57.6             | 50.9          | 3.50                  | -2,307.3                            | -156.5       | 3,156.2                | 3,116.7                 | 39.52                     | 79.864             |          |
| 13,900.0                                                                         | 12,650.0              | 10,842.8              | 9,500.0               | 58.7             | 52.2          | 3.02                  | -2,407.2                            | -129.6       | 3,154.7                | 3,114.4                 | 40.36                     | 78.173             |          |
| 14,000.0                                                                         | 12,650.0              | 10,944.1              | 9,500.0               | 59.8             | 53.4          | 2.49                  | -2,504.0                            | -99.7        | 3,153.3                | 3,112.1                 | 41.19                     | 76.546             |          |
| 14,100.0                                                                         | 12,650.0              | 11,035.5              | 9,500.0               | 61.0             | 54.6          | 2.01                  | -2,591.3                            | -72.7        | 3,152.1                | 3,110.1                 | 41.98                     | 75.093             |          |
| 14,200.0                                                                         | 12,650.0              | 11,128.8              | 9,500.0               | 62.1             | 55.8          | 1.57                  | -2,681.3                            | -48.0        | 3,151.3                | 3,108.4                 | 42.84                     | 73.560             |          |
| 14,300.0                                                                         | 12,650.0              | 11,223.6              | 9,500.0               | 63.3             | 57.1          | 1.18                  | -2,773.5                            | -25.9        | 3,150.7                | 3,106.9                 | 43.78                     | 71.971             |          |
| 14,400.0                                                                         | 12,650.0              | 11,319.8              | 9,500.0               | 64.5             | 58.4          | 0.84                  | -2,867.7                            | -6.6         | 3,150.4                | 3,105.6                 | 44.78                     | 70.348             |          |
| 14,500.0                                                                         | 12,650.0              | 11,417.2              | 9,500.0               | 65.7             | 59.8          | 0.55                  | -2,963.7                            | 9.7          | 3,150.2                | 3,104.3                 | 45.85                     | 68.710             |          |
| 14,600.0                                                                         | 12,650.0              | 11,515.6              | 9,500.0               | 67.0             | 61.2          | 0.33                  | -3,061.2                            | 22.8         | 3,150.1                | 3,103.1                 | 46.96                     | 67.077             |          |
| 14,700.0                                                                         | 12,650.0              | 11,614.7              | 9,500.0               | 68.2             | 62.6          | 0.16                  | -3,159.8                            | 32.6         | 3,150.0                | 3,101.9                 | 48.12                     | 65.464             |          |
| 14,800.0                                                                         | 12,650.0              | 11,714.3              | 9,500.0               | 69.5             | 64.0          | 0.05                  | -3,259.3                            | 39.0         | 3,150.0                | 3,100.7                 | 49.31                     | 63.882             |          |
| 14,900.0                                                                         | 12,650.0              | 11,814.3              | 9,500.0               | 70.8             | 65.4          | 0.01                  | -3,359.1                            | 42.0         | 3,150.0                | 3,099.5                 | 50.53                     | 62.342             |          |
| 15,000.0                                                                         | 12,650.0              | 11,914.2              | 9,500.0               | 72.1             | 66.9          | 0.01                  | -3,459.1                            | 42.7         | 3,150.0                | 3,098.2                 | 51.77                     | 60.849             |          |
| 15,100.0                                                                         | 12,650.0              | 12,014.2              | 9,500.0               | 73.4             | 68.3          | 0.01                  | -3,559.1                            | 43.3         | 3,150.0                | 3,097.0                 | 53.02                     | 59.407             |          |
| 15,200.0                                                                         | 12,650.0              | 12,114.2              | 9,500.0               | 74.8             | 69.8          | 0.01                  | -3,659.1                            | 43.9         | 3,150.0                | 3,095.7                 | 54.30                     | 58.015             |          |
| 15,300.0                                                                         | 12,650.0              | 12,214.2              | 9,500.0               | 76.1             | 71.3          | 0.01                  | -3,759.1                            | 44.5         | 3,150.0                | 3,094.4                 | 55.58                     | 56.672             |          |
| 15,400.0                                                                         | 12,650.0              | 12,314.2              | 9,500.0               | 77.5             | 72.7          | 0.01                  | -3,859.1                            | 45.2         | 3,150.0                | 3,093.1                 | 56.88                     | 55.377             |          |
| 15,500.0                                                                         | 12,650.0              | 12,414.2              | 9,500.0               | 78.8             | 74.2          | 0.01                  | -3,959.1                            | 45.8         | 3,150.0                | 3,091.8                 | 58.20                     | 54.128             |          |
| 15,600.0                                                                         | 12,650.0              | 12,514.2              | 9,500.0               | 80.2             | 75.7          | 0.01                  | -4,059.1                            | 46.4         | 3,150.0                | 3,090.5                 | 59.52                     | 52.923             |          |
| 15,700.0                                                                         | 12,650.0              | 12,614.2              | 9,500.0               | 81.6             | 77.2          | 0.01                  | -4,159.1                            | 47.0         | 3,150.0                | 3,089.1                 | 60.86                     | 51.761             |          |
| 15,800.0                                                                         | 12,650.0              | 12,714.2              | 9,500.0               | 83.0             | 78.7          | 0.01                  | -4,259.1                            | 47.6         | 3,150.0                | 3,087.8                 | 62.20                     | 50.641             |          |
| 15,900.0                                                                         | 12,650.0              | 12,814.2              | 9,500.0               | 84.4             | 80.2          | 0.01                  | -4,359.1                            | 48.3         | 3,150.0                | 3,086.4                 | 63.56                     | 49.560             |          |
| 16,000.0                                                                         | 12,650.0              | 12,914.2              | 9,500.0               | 85.9             | 81.7          | 0.01                  | -4,459.1                            | 48.9         | 3,150.0                | 3,085.1                 | 64.93                     | 48.518             |          |
| 16,100.0                                                                         | 12,650.0              | 13,014.2              | 9,500.0               | 87.3             | 83.2          | 0.01                  | -4,559.1                            | 49.5         | 3,150.0                | 3,083.7                 | 66.30                     | 47.512             |          |
| 16,200.0                                                                         | 12,650.0              | 13,114.2              | 9,500.0               | 88.7             | 84.8          | 0.01                  | -4,659.1                            | 50.1         | 3,150.0                | 3,082.3                 | 67.68                     | 46.541             |          |
| 16,300.0                                                                         | 12,650.0              | 13,214.2              | 9,500.0               | 90.2             | 86.3          | 0.01                  | -4,759.1                            | 50.7         | 3,150.0                | 3,080.9                 | 69.07                     | 45.604             |          |
| 16,400.0                                                                         | 12,650.0              | 13,314.2              | 9,500.0               | 91.6             | 87.8          | 0.01                  | -4,859.1                            | 51.4         | 3,150.0                | 3,079.5                 | 70.47                     | 44.700             |          |
| 16,500.0                                                                         | 12,650.0              | 13,414.2              | 9,500.0               | 93.1             | 89.4          | 0.01                  | -4,959.1                            | 52.0         | 3,150.0                | 3,078.1                 | 71.87                     | 43.827             |          |
| 16,600.0                                                                         | 12,650.0              | 13,514.2              | 9,500.0               | 94.5             | 90.9          | 0.01                  | -5,059.1                            | 52.6         | 3,150.0                | 3,076.7                 | 73.29                     | 42.983             |          |
| 16,700.0                                                                         | 12,650.0              | 13,614.2              | 9,500.0               | 96.0             | 92.5          | 0.01                  | -5,159.1                            | 53.2         | 3,150.0                | 3,075.3                 | 74.70                     | 42.167             |          |
| 16,800.0                                                                         | 12,650.0              | 13,714.2              | 9,500.0               | 97.5             | 94.0          | 0.01                  | -5,259.1                            | 53.8         | 3,150.0                | 3,073.9                 | 76.13                     | 41.379             |          |
| 16,900.0                                                                         | 12,650.0              | 13,814.2              | 9,500.0               | 99.0             | 95.6          | 0.01                  | -5,359.1                            | 54.4         | 3,150.0                | 3,072.5                 | 77.55                     | 40.617             |          |
| 17,000.0                                                                         | 12,650.0              | 13,914.2              | 9,500.0               | 100.5            | 97.1          | 0.01                  | -5,459.1                            | 55.1         | 3,150.0                | 3,071.0                 | 78.99                     | 39.880             |          |
| 17,100.0                                                                         | 12,650.0              | 14,014.2              | 9,500.0               | 101.9            | 98.7          | 0.01                  | -5,559.1                            | 55.7         | 3,150.0                | 3,069.6                 | 80.43                     | 39.166             |          |
| 17,200.0                                                                         | 12,650.0              | 14,114.2              | 9,500.0               | 103.4            | 100.2         | 0.01                  | -5,659.1                            | 56.3         | 3,150.0                | 3,068.1                 | 81.87                     | 38.476             |          |
| 17,300.0                                                                         | 12,650.0              | 14,214.2              | 9,500.0               | 104.9            | 101.8         | 0.01                  | -5,759.1                            | 56.9         | 3,150.0                | 3,066.7                 | 83.32                     | 37.807             |          |
| 17,400.0                                                                         | 12,650.0              | 14,314.2              | 9,500.0               | 106.5            | 103.4         | 0.01                  | -5,859.1                            | 57.5         | 3,150.0                | 3,065.2                 | 84.77                     | 37.160             |          |
| 17,500.0                                                                         | 12,650.0              | 14,414.2              | 9,500.0               | 108.0            | 105.0         | 0.01                  | -5,959.1                            | 58.2         | 3,150.0                | 3,063.8                 | 86.23                     | 36.532             |          |
| 17,600.0                                                                         | 12,650.0              | 14,514.2              | 9,500.0               | 109.5            | 106.5         | 0.01                  | -6,059.1                            | 58.8         | 3,150.0                | 3,062.3                 | 87.69                     | 35.924             |          |
| 17,700.0                                                                         | 12,650.0              | 14,614.2              | 9,500.0               | 111.0            | 108.1         | 0.01                  | -6,159.1                            | 59.4         | 3,150.0                | 3,060.9                 | 89.15                     | 35.334             |          |
| 17,800.0                                                                         | 12,650.0              | 14,714.2              | 9,500.0               | 112.5            | 109.7         | 0.01                  | -6,259.1                            | 60.0         | 3,150.0                | 3,059.4                 | 90.62                     | 34.762             |          |
| 17,900.0                                                                         | 12,650.0              | 14,814.2              | 9,500.0               | 114.1            | 111.3         | 0.01                  | -6,359.1                            | 60.6         | 3,150.0                | 3,057.9                 | 92.09                     | 34.207             |          |
| 18,000.0                                                                         | 12,650.0              | 14,914.2              | 9,500.0               | 115.6            | 112.9         | 0.01                  | -6,459.1                            | 61.3         | 3,150.0                | 3,056.4                 | 93.56                     | 33.668             |          |
| 18,100.0                                                                         | 12,650.0              | 15,014.2              | 9,500.0               | 117.1            | 114.4         | 0.01                  | -6,559.1                            | 61.9         | 3,150.0                | 3,055.0                 | 95.04                     | 33.145             |          |
| 18,200.0                                                                         | 12,650.0              | 15,114.2              | 9,500.0               | 118.7            | 116.0         | 0.01                  | -6,659.1                            | 62.5         | 3,150.0                | 3,053.5                 | 96.52                     | 32.637             |          |
| 18,300.0                                                                         | 12,650.0              | 15,214.2              | 9,500.0               | 120.2            | 117.6         | 0.01                  | -6,759.1                            | 63.1         | 3,150.0                | 3,052.0                 | 98.00                     | 32.143             |          |
| 18,400.0                                                                         | 12,650.0              | 15,314.2              | 9,500.0               | 121.8            | 119.2         | 0.01                  | -6,859.1                            | 63.7         | 3,150.0                | 3,050.5                 | 99.48                     | 31.664             |          |
| 18,500.0                                                                         | 12,650.0              | 15,414.2              | 9,500.0               | 123.3            | 120.8         | 0.01                  | -6,959.1                            | 64.3         | 3,150.0                | 3,049.0                 | 100.97                    | 31.197             |          |
| 18,600.0                                                                         | 12,650.0              | 15,514.2              | 9,500.0               | 124.9            | 122.4         | 0.01                  | -7,059.1                            | 65.0         | 3,150.0                | 3,047.5                 | 102.46                    | 30.744             |          |
| 18,700.0                                                                         | 12,650.0              | 15,614.2              | 9,500.0               | 126.4            | 124.0         | 0.01                  | -7,159.1                            | 65.6         | 3,150.0                | 3,046.1                 | 103.95                    | 30.302             |          |
| 18,800.0                                                                         | 12,650.0              | 15,714.2              | 9,500.0               | 128.0            | 125.6         | 0.01                  | -7,259.1                            | 66.2         | 3,150.0                | 3,044.6                 | 105.45                    | 29.873             |          |
| 18,900.0                                                                         | 12,650.0              | 15,814.2              | 9,500.0               | 129.5            | 127.2         | 0.01                  | -7,359.1                            | 66.8         | 3,150.0                | 3,043.1                 | 106.94                    | 29.455             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #503H - Wellbore #1 - BLM Plan #1 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-MWD                                                            |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    |          |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  | Warning  |
| 19,000.0                                                                         | 12,650.0              | 15,914.2              | 9,500.0               | 131.1            | 128.8         | 0.01                  | -7,459.1                            | 67.4         | 3,150.0                | 3,041.6                 | 108.44                    | 29.048             |          |
| 19,100.0                                                                         | 12,650.0              | 16,014.2              | 9,500.0               | 132.6            | 130.4         | 0.01                  | -7,559.0                            | 68.1         | 3,150.0                | 3,040.1                 | 109.94                    | 28.652             |          |
| 19,200.0                                                                         | 12,650.0              | 16,114.2              | 9,500.0               | 134.2            | 132.0         | 0.01                  | -7,659.0                            | 68.7         | 3,150.0                | 3,038.6                 | 111.44                    | 28.265             |          |
| 19,300.0                                                                         | 12,650.0              | 16,214.2              | 9,500.0               | 135.8            | 133.6         | 0.01                  | -7,759.0                            | 69.3         | 3,150.0                | 3,037.1                 | 112.95                    | 27.889             |          |
| 19,400.0                                                                         | 12,650.0              | 16,314.2              | 9,500.0               | 137.3            | 135.2         | 0.01                  | -7,859.0                            | 69.9         | 3,150.0                | 3,035.5                 | 114.45                    | 27.522             |          |
| 19,500.0                                                                         | 12,650.0              | 16,414.2              | 9,500.0               | 138.9            | 136.8         | 0.01                  | -7,959.0                            | 70.5         | 3,150.0                | 3,034.0                 | 115.96                    | 27.164             |          |
| 19,600.0                                                                         | 12,650.0              | 16,514.2              | 9,500.0               | 140.5            | 138.5         | 0.01                  | -8,059.0                            | 71.1         | 3,150.0                | 3,032.5                 | 117.47                    | 26.815             |          |
| 19,700.0                                                                         | 12,650.0              | 16,614.2              | 9,500.0               | 142.1            | 140.1         | 0.01                  | -8,159.0                            | 71.8         | 3,150.0                | 3,031.0                 | 118.98                    | 26.475             |          |
| 19,800.0                                                                         | 12,650.0              | 16,714.2              | 9,500.0               | 143.6            | 141.7         | 0.01                  | -8,259.0                            | 72.4         | 3,150.0                | 3,029.5                 | 120.49                    | 26.143             |          |
| 19,900.0                                                                         | 12,650.0              | 16,814.2              | 9,500.0               | 145.2            | 143.3         | 0.01                  | -8,359.0                            | 73.0         | 3,150.0                | 3,028.0                 | 122.01                    | 25.818             |          |
| 20,000.0                                                                         | 12,650.0              | 16,914.2              | 9,500.0               | 146.8            | 144.9         | 0.01                  | -8,459.0                            | 73.6         | 3,150.0                | 3,026.5                 | 123.52                    | 25.502             |          |
| 20,100.0                                                                         | 12,650.0              | 17,014.2              | 9,500.0               | 148.4            | 146.5         | 0.01                  | -8,559.0                            | 74.2         | 3,150.0                | 3,025.0                 | 125.04                    | 25.192             |          |
| 20,200.0                                                                         | 12,650.0              | 17,114.2              | 9,500.0               | 150.0            | 148.1         | 0.01                  | -8,659.0                            | 74.9         | 3,150.0                | 3,023.4                 | 126.56                    | 24.890             |          |
| 20,300.0                                                                         | 12,650.0              | 17,214.2              | 9,500.0               | 151.6            | 149.8         | 0.01                  | -8,759.0                            | 75.5         | 3,150.0                | 3,021.9                 | 128.07                    | 24.595             |          |
| 20,400.0                                                                         | 12,650.0              | 17,314.2              | 9,500.0               | 153.2            | 151.4         | 0.00                  | -8,859.0                            | 76.1         | 3,150.0                | 3,020.4                 | 129.59                    | 24.307             |          |
| 20,500.0                                                                         | 12,650.0              | 17,414.2              | 9,500.0               | 154.7            | 153.0         | 0.00                  | -8,959.0                            | 76.7         | 3,150.0                | 3,018.9                 | 131.12                    | 24.025             |          |
| 20,600.0                                                                         | 12,650.0              | 17,514.2              | 9,500.0               | 156.3            | 154.6         | 0.00                  | -9,059.0                            | 77.3         | 3,150.0                | 3,017.4                 | 132.64                    | 23.749             |          |
| 20,700.0                                                                         | 12,650.0              | 17,614.2              | 9,500.0               | 157.9            | 156.2         | 0.00                  | -9,159.0                            | 78.0         | 3,150.0                | 3,015.8                 | 134.16                    | 23.479             |          |
| 20,800.0                                                                         | 12,650.0              | 17,714.2              | 9,500.0               | 159.5            | 157.9         | 0.00                  | -9,259.0                            | 78.6         | 3,150.0                | 3,014.3                 | 135.69                    | 23.215             |          |
| 20,900.0                                                                         | 12,650.0              | 17,814.2              | 9,500.0               | 161.1            | 159.5         | 0.00                  | -9,359.0                            | 79.2         | 3,150.0                | 3,012.8                 | 137.21                    | 22.957             |          |
| 21,000.0                                                                         | 12,650.0              | 17,914.2              | 9,500.0               | 162.7            | 161.1         | 0.00                  | -9,459.0                            | 79.8         | 3,150.0                | 3,011.3                 | 138.74                    | 22.705             |          |
| 21,100.0                                                                         | 12,650.0              | 18,014.2              | 9,500.0               | 164.3            | 162.7         | 0.00                  | -9,559.0                            | 80.4         | 3,150.0                | 3,009.7                 | 140.27                    | 22.457             |          |
| 21,200.0                                                                         | 12,650.0              | 18,114.2              | 9,500.0               | 165.9            | 164.3         | 0.00                  | -9,659.0                            | 81.0         | 3,150.0                | 3,008.2                 | 141.79                    | 22.215             |          |
| 21,300.0                                                                         | 12,650.0              | 18,214.2              | 9,500.0               | 167.5            | 166.0         | 0.00                  | -9,759.0                            | 81.7         | 3,150.0                | 3,006.7                 | 143.32                    | 21.978             |          |
| 21,400.0                                                                         | 12,650.0              | 18,314.2              | 9,500.0               | 169.1            | 167.6         | 0.00                  | -9,859.0                            | 82.3         | 3,150.0                | 3,005.1                 | 144.85                    | 21.746             |          |
| 21,500.0                                                                         | 12,650.0              | 18,414.2              | 9,500.0               | 170.7            | 169.2         | 0.00                  | -9,959.0                            | 82.9         | 3,150.0                | 3,003.6                 | 146.38                    | 21.519             |          |
| 21,600.0                                                                         | 12,650.0              | 18,514.2              | 9,500.0               | 172.3            | 170.9         | 0.00                  | -10,059.0                           | 83.5         | 3,150.0                | 3,002.1                 | 147.92                    | 21.296             |          |
| 21,700.0                                                                         | 12,650.0              | 18,614.2              | 9,500.0               | 173.9            | 172.5         | 0.00                  | -10,159.0                           | 84.1         | 3,150.0                | 3,000.6                 | 149.45                    | 21.078             |          |
| 21,800.0                                                                         | 12,650.0              | 18,714.2              | 9,500.0               | 175.5            | 174.1         | 0.00                  | -10,259.0                           | 84.8         | 3,150.0                | 2,999.0                 | 150.98                    | 20.864             |          |
| 21,900.0                                                                         | 12,650.0              | 18,814.2              | 9,500.0               | 177.1            | 175.7         | 0.00                  | -10,359.0                           | 85.4         | 3,150.0                | 2,997.5                 | 152.51                    | 20.654             |          |
| 22,000.0                                                                         | 12,650.0              | 18,914.2              | 9,500.0               | 178.7            | 177.4         | 0.00                  | -10,459.0                           | 86.0         | 3,150.0                | 2,996.0                 | 154.05                    | 20.448             |          |
| 22,100.0                                                                         | 12,650.0              | 19,014.2              | 9,500.0               | 180.3            | 179.0         | 0.00                  | -10,559.0                           | 86.6         | 3,150.0                | 2,994.4                 | 155.58                    | 20.246             |          |
| 22,200.0                                                                         | 12,650.0              | 19,114.2              | 9,500.0               | 182.0            | 180.6         | 0.00                  | -10,659.0                           | 87.2         | 3,150.0                | 2,992.9                 | 157.12                    | 20.048             |          |
| 22,300.0                                                                         | 12,650.0              | 19,214.2              | 9,500.0               | 183.6            | 182.3         | 0.00                  | -10,759.0                           | 87.9         | 3,150.0                | 2,991.3                 | 158.66                    | 19.854             |          |
| 22,400.0                                                                         | 12,650.0              | 19,314.2              | 9,500.0               | 185.2            | 183.9         | 0.00                  | -10,859.0                           | 88.5         | 3,150.0                | 2,989.8                 | 160.19                    | 19.664             |          |
| 22,500.0                                                                         | 12,650.0              | 19,414.2              | 9,500.0               | 186.8            | 185.5         | 0.00                  | -10,959.0                           | 89.1         | 3,150.0                | 2,988.3                 | 161.73                    | 19.477             |          |
| 22,600.0                                                                         | 12,650.0              | 19,514.2              | 9,500.0               | 188.4            | 187.2         | 0.00                  | -11,059.0                           | 89.7         | 3,150.0                | 2,986.7                 | 163.27                    | 19.293             |          |
| 22,700.0                                                                         | 12,650.0              | 19,614.2              | 9,500.0               | 190.0            | 188.8         | 0.00                  | -11,159.0                           | 90.3         | 3,150.0                | 2,985.2                 | 164.81                    | 19.113             |          |
| 22,800.0                                                                         | 12,650.0              | 19,714.2              | 9,500.0               | 191.6            | 190.4         | 0.00                  | -11,259.0                           | 90.9         | 3,150.0                | 2,983.7                 | 166.29                    | 18.942             |          |
| 22,884.1                                                                         | 12,650.0              | 19,798.4              | 9,500.0               | 193.0            | 191.6         | 0.00                  | -11,343.1                           | 91.5         | 3,150.0                | 2,982.7                 | 167.26                    | 18.833             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #504H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 29-MWD                                                     |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 0.0                                                                        | 0.0                   | 3.0                   | 3.0                   | 0.0              | 0.0           | 79.26                 | 35.9                                | 189.5        | 192.8                  |                         |                           |                    |          |
| 100.0                                                                      | 100.0                 | 102.4                 | 102.4                 | 0.1              | 0.3           | 79.23                 | 36.1                                | 189.6        | 193.0                  | 192.6                   | 0.39                      | 490.292            |          |
| 200.0                                                                      | 200.0                 | 202.8                 | 202.8                 | 0.5              | 0.6           | 79.10                 | 36.6                                | 189.8        | 193.3                  | 192.2                   | 1.11                      | 174.404            |          |
| 300.0                                                                      | 300.0                 | 303.8                 | 303.8                 | 0.8              | 1.0           | 78.91                 | 37.1                                | 189.5        | 193.1                  | 191.3                   | 1.82                      | 105.872            |          |
| 400.0                                                                      | 400.0                 | 403.6                 | 403.6                 | 1.2              | 1.3           | 78.79                 | 37.5                                | 189.1        | 192.7                  | 190.2                   | 2.53                      | 76.048             |          |
| 500.0                                                                      | 500.0                 | 505.0                 | 504.9                 | 1.6              | 1.7           | 78.68                 | 37.7                                | 188.2        | 192.0                  | 188.7                   | 3.25                      | 59.037             |          |
| 600.0                                                                      | 600.0                 | 604.2                 | 604.1                 | 1.9              | 2.0           | 78.59                 | 37.8                                | 187.4        | 191.2                  | 187.3                   | 3.96                      | 48.300             |          |
| 700.0                                                                      | 700.0                 | 703.7                 | 703.7                 | 2.3              | 2.4           | 78.64                 | 37.6                                | 187.0        | 190.7                  | 186.0                   | 4.66                      | 40.899             |          |
| 800.0                                                                      | 800.0                 | 804.2                 | 804.2                 | 2.6              | 2.7           | 78.89                 | 36.7                                | 186.8        | 190.4                  | 185.0                   | 5.37                      | 35.480             |          |
| 900.0                                                                      | 900.0                 | 904.7                 | 904.7                 | 3.0              | 3.1           | 79.23                 | 35.4                                | 186.2        | 189.5                  | 183.4                   | 6.07                      | 31.207             |          |
| 1,000.0                                                                    | 1,000.0               | 1,003.7               | 1,003.7               | 3.4              | 3.4           | 79.59                 | 34.1                                | 185.7        | 188.8                  | 182.1                   | 6.78                      | 27.869             |          |
| 1,100.0                                                                    | 1,100.0               | 1,103.0               | 1,103.0               | 3.7              | 3.8           | 79.76                 | 33.6                                | 185.7        | 188.7                  | 181.2                   | 7.48                      | 25.225             |          |
| 1,145.7                                                                    | 1,145.7               | 1,149.2               | 1,149.1               | 3.9              | 3.9           | 79.82                 | 33.3                                | 185.7        | 188.7                  | 180.9                   | 7.81                      | 24.168             |          |
| 1,200.0                                                                    | 1,200.0               | 1,204.2               | 1,204.1               | 4.1              | 4.1           | 79.92                 | 33.0                                | 185.5        | 188.4                  | 180.2                   | 8.19                      | 22.997             |          |
| 1,300.0                                                                    | 1,300.0               | 1,303.7               | 1,303.7               | 4.4              | 4.5           | 80.18                 | 32.1                                | 185.2        | 188.0                  | 179.1                   | 8.90                      | 21.114             |          |
| 1,400.0                                                                    | 1,400.0               | 1,404.3               | 1,404.2               | 4.8              | 4.8           | 80.38                 | 31.3                                | 184.9        | 187.5                  | 177.9                   | 9.62                      | 19.498             |          |
| 1,500.0                                                                    | 1,500.0               | 1,504.7               | 1,504.6               | 5.1              | 5.2           | 80.48                 | 30.9                                | 184.1        | 186.7                  | 176.3                   | 10.33                     | 18.062             |          |
| 1,600.0                                                                    | 1,600.0               | 1,604.2               | 1,604.1               | 5.5              | 5.5           | 80.50                 | 30.7                                | 183.4        | 186.0                  | 174.9                   | 11.05                     | 16.836             |          |
| 1,700.0                                                                    | 1,700.0               | 1,703.2               | 1,703.2               | 5.9              | 5.9           | 80.54                 | 30.5                                | 183.0        | 185.5                  | 173.8                   | 11.76                     | 15.782             |          |
| 1,710.0                                                                    | 1,710.0               | 1,713.1               | 1,713.0               | 5.9              | 5.9           | 80.54                 | 30.5                                | 183.0        | 185.5                  | 173.7                   | 11.83                     | 15.687             |          |
| 1,800.0                                                                    | 1,800.0               | 1,800.8               | 1,800.7               | 6.2              | 6.2           | 80.65                 | 30.2                                | 183.7        | 186.2                  | 173.8                   | 12.45                     | 14.954             |          |
| 1,900.0                                                                    | 1,900.0               | 1,902.1               | 1,902.0               | 6.6              | 6.6           | 81.20                 | 28.6                                | 185.0        | 187.2                  | 174.0                   | 13.16                     | 14.223             |          |
| 2,000.0                                                                    | 2,000.0               | 2,004.8               | 2,004.6               | 6.9              | 6.9           | 82.18                 | 25.4                                | 185.2        | 186.9                  | 173.0                   | 13.88                     | 13.464             |          |
| 2,100.0                                                                    | 2,100.0               | 2,106.4               | 2,106.2               | 7.3              | 7.3           | 83.24                 | 21.9                                | 184.4        | 185.7                  | 171.1                   | 14.60                     | 12.717             |          |
| 2,200.0                                                                    | 2,200.0               | 2,207.8               | 2,207.5               | 7.7              | 7.7           | 84.57                 | 17.4                                | 182.6        | 183.4                  | 168.1                   | 15.32                     | 11.971             |          |
| 2,300.0                                                                    | 2,300.0               | 2,307.2               | 2,306.7               | 8.0              | 8.0           | 86.08                 | 12.4                                | 180.7        | 181.1                  | 165.1                   | 16.04                     | 11.293             |          |
| 2,400.0                                                                    | 2,400.0               | 2,406.9               | 2,406.3               | 8.4              | 8.4           | 87.50                 | 7.8                                 | 179.1        | 179.3                  | 162.5                   | 16.76                     | 10.699             |          |
| 2,500.0                                                                    | 2,500.0               | 2,507.0               | 2,506.3               | 8.7              | 8.8           | 88.77                 | 3.8                                 | 177.3        | 177.4                  | 159.9                   | 17.48                     | 10.150             |          |
| 2,600.0                                                                    | 2,600.0               | 2,607.0               | 2,606.3               | 9.1              | 9.1           | 90.06                 | -0.2                                | 175.5        | 175.6                  | 157.4                   | 18.20                     | 9.648              |          |
| 2,700.0                                                                    | 2,700.0               | 2,706.9               | 2,706.0               | 9.4              | 9.5           | 91.62                 | -4.9                                | 173.6        | 173.7                  | 154.8                   | 18.92                     | 9.183              |          |
| 2,800.0                                                                    | 2,800.0               | 2,806.2               | 2,805.1               | 9.8              | 9.8           | 93.29                 | -9.9                                | 171.9        | 172.2                  | 152.5                   | 19.64                     | 8.768              |          |
| 2,900.0                                                                    | 2,900.0               | 2,907.0               | 2,905.8               | 10.2             | 10.2          | 94.99                 | -14.9                               | 170.2        | 170.9                  | 150.6                   | 20.36                     | 8.394              |          |
| 3,000.0                                                                    | 3,000.0               | 3,007.6               | 3,006.3               | 10.5             | 10.6          | 96.82                 | -20.1                               | 167.8        | 169.1                  | 148.0                   | 21.09                     | 8.017              |          |
| 3,100.0                                                                    | 3,100.0               | 3,106.9               | 3,105.4               | 10.9             | 10.9          | 98.63                 | -25.1                               | 165.4        | 167.3                  | 145.5                   | 21.81                     | 7.671              |          |
| 3,200.0                                                                    | 3,200.0               | 3,206.3               | 3,204.6               | 11.2             | 11.3          | 100.35                | -29.8                               | 163.4        | 166.1                  | 143.6                   | 22.53                     | 7.371              |          |
| 3,300.0                                                                    | 3,300.0               | 3,305.5               | 3,303.8               | 11.6             | 11.7          | 101.95                | -34.2                               | 161.8        | 165.4                  | 142.1                   | 23.25                     | 7.111              |          |
| 3,400.0                                                                    | 3,400.0               | 3,406.1               | 3,404.2               | 12.0             | 12.0          | 103.57                | -38.7                               | 160.2        | 164.8                  | 140.8                   | 23.98                     | 6.873              |          |
| 3,500.0                                                                    | 3,500.0               | 3,506.2               | 3,504.2               | 12.3             | 12.4          | 105.47                | -43.8                               | 158.1        | 164.1                  | 139.4                   | 24.70                     | 6.641              |          |
| 3,600.0                                                                    | 3,600.0               | 3,605.6               | 3,603.4               | 12.7             | 12.8          | 107.35                | -48.8                               | 156.1        | 163.6                  | 138.1                   | 25.43                     | 6.433              |          |
| 3,652.4                                                                    | 3,652.4               | 3,657.6               | 3,655.4               | 12.9             | 12.9          | 108.28                | -51.3                               | 155.3        | 163.5                  | 137.7                   | 25.80                     | 6.336              |          |
| 3,700.0                                                                    | 3,700.0               | 3,704.9               | 3,702.6               | 13.0             | 13.1          | 109.11                | -53.6                               | 154.5        | 163.6                  | 137.4                   | 26.15                     | 6.255              |          |
| 3,800.0                                                                    | 3,800.0               | 3,804.8               | 3,802.4               | 13.4             | 13.5          | 110.83                | -58.3                               | 153.2        | 163.9                  | 137.0                   | 26.87                     | 6.098              |          |
| 3,900.0                                                                    | 3,900.0               | 3,906.1               | 3,903.5               | 13.7             | 13.9          | 23.05                 | -63.5                               | 151.0        | 162.2                  | 134.6                   | 27.59                     | 5.878              |          |
| 4,000.0                                                                    | 3,999.8               | 4,005.4               | 4,002.6               | 14.1             | 14.2          | 26.10                 | -69.1                               | 148.3        | 157.3                  | 129.0                   | 28.30                     | 5.560              |          |
| 4,100.0                                                                    | 4,099.6               | 4,104.7               | 4,101.7               | 14.4             | 14.6          | 29.54                 | -74.6                               | 145.8        | 151.5                  | 122.5                   | 29.00                     | 5.224              |          |
| 4,200.0                                                                    | 4,199.4               | 4,204.2               | 4,201.1               | 14.8             | 15.0          | 33.14                 | -79.9                               | 143.5        | 146.3                  | 116.6                   | 29.71                     | 4.924              |          |
| 4,300.0                                                                    | 4,299.1               | 4,304.0               | 4,300.8               | 15.1             | 15.3          | 37.07                 | -85.2                               | 140.9        | 141.5                  | 111.1                   | 30.42                     | 4.652              |          |
| 4,400.0                                                                    | 4,398.9               | 4,403.9               | 4,400.5               | 15.5             | 15.7          | 41.26                 | -90.3                               | 137.9        | 137.0                  | 105.9                   | 31.12                     | 4.402              |          |
| 4,500.0                                                                    | 4,498.6               | 4,502.0               | 4,498.4               | 15.8             | 16.0          | 45.57                 | -95.2                               | 135.2        | 133.3                  | 101.5                   | 31.82                     | 4.190              |          |
| 4,544.9                                                                    | 4,543.4               | 4,544.9               | 4,541.2               | 16.0             | 16.2          | 47.51                 | -97.9                               | 134.3        | 132.8                  | 100.6                   | 32.12                     | 4.133 CC, ES       |          |
| 4,600.0                                                                    | 4,598.5               | 4,598.7               | 4,594.8               | 16.2             | 16.4          | 49.80                 | -101.9                              | 133.4        | 133.4                  | 101.0                   | 32.49                     | 4.107 SF           |          |
| 4,700.0                                                                    | 4,698.4               | 4,698.1               | 4,693.9               | 16.5             | 16.8          | 53.30                 | -109.7                              | 132.2        | 136.9                  | 103.7                   | 33.19                     | 4.125              |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #504H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 29-MWD                                                     |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 4,766.7                                                                    | 4,765.1               | 4,765.0               | 4,760.7               | 16.8             | 17.0          | 145.06                | -114.8                              | 131.3        | 140.2                  | 106.5                   | 33.67                     | 4.163              |          |
| 4,800.0                                                                    | 4,798.4               | 4,798.2               | 4,793.7               | 16.9             | 17.2          | 145.77                | -117.2                              | 130.9        | 142.0                  | 108.1                   | 33.91                     | 4.187              |          |
| 4,900.0                                                                    | 4,898.4               | 4,899.5               | 4,894.8               | 17.2             | 17.5          | 147.74                | -124.4                              | 129.7        | 147.2                  | 112.6                   | 34.64                     | 4.250              |          |
| 5,000.0                                                                    | 4,998.4               | 5,000.9               | 4,995.9               | 17.6             | 17.9          | 149.61                | -130.1                              | 127.5        | 151.0                  | 115.6                   | 35.37                     | 4.267              |          |
| 5,100.0                                                                    | 5,098.4               | 5,100.5               | 5,095.3               | 17.9             | 18.3          | 151.34                | -135.7                              | 125.3        | 154.7                  | 118.7                   | 36.09                     | 4.288              |          |
| 5,200.0                                                                    | 5,198.4               | 5,200.6               | 5,195.4               | 18.3             | 18.6          | 152.91                | -141.2                              | 123.4        | 158.7                  | 121.9                   | 36.81                     | 4.311              |          |
| 5,300.0                                                                    | 5,298.4               | 5,300.8               | 5,295.4               | 18.7             | 19.0          | 154.38                | -146.3                              | 121.3        | 162.4                  | 124.9                   | 37.52                     | 4.328              |          |
| 5,400.0                                                                    | 5,398.4               | 5,401.3               | 5,395.8               | 19.0             | 19.4          | 155.71                | -151.2                              | 119.4        | 166.0                  | 127.8                   | 38.24                     | 4.341              |          |
| 5,500.0                                                                    | 5,498.4               | 5,501.4               | 5,495.7               | 19.4             | 19.8          | 156.94                | -155.7                              | 117.4        | 169.3                  | 130.3                   | 38.96                     | 4.346              |          |
| 5,600.0                                                                    | 5,598.4               | 5,601.2               | 5,595.4               | 19.7             | 20.1          | 158.12                | -160.1                              | 115.5        | 172.7                  | 133.0                   | 39.67                     | 4.352              |          |
| 5,700.0                                                                    | 5,698.4               | 5,695.7               | 5,689.7               | 20.1             | 20.5          | 159.49                | -165.9                              | 113.2        | 177.5                  | 137.2                   | 40.33                     | 4.401              |          |
| 5,766.7                                                                    | 5,765.1               | 5,758.2               | 5,751.8               | 20.3             | 20.7          | 160.81                | -171.8                              | 111.0        | 182.7                  | 141.9                   | 40.74                     | 4.484              |          |
| 5,800.0                                                                    | 5,798.4               | 5,789.4               | 5,782.8               | 20.4             | 20.8          | -16.75                | -175.4                              | 109.6        | 185.6                  | 144.7                   | 40.92                     | 4.536              |          |
| 5,900.0                                                                    | 5,898.4               | 5,883.6               | 5,876.0               | 20.8             | 21.2          | -14.49                | -188.2                              | 105.2        | 194.4                  | 153.0                   | 41.47                     | 4.688              |          |
| 6,000.0                                                                    | 5,998.1               | 5,982.2               | 5,973.4               | 21.1             | 21.6          | -12.52                | -203.3                              | 100.8        | 201.9                  | 159.7                   | 42.12                     | 4.793              |          |
| 6,100.0                                                                    | 6,097.7               | 6,081.9               | 6,071.8               | 21.4             | 22.0          | -10.99                | -218.4                              | 96.8         | 206.1                  | 163.3                   | 42.80                     | 4.815              |          |
| 6,200.0                                                                    | 6,196.8               | 6,179.1               | 6,167.7               | 21.8             | 22.4          | -9.72                 | -233.7                              | 93.1         | 207.6                  | 164.2                   | 43.40                     | 4.783              |          |
| 6,229.5                                                                    | 6,225.9               | 6,207.5               | 6,195.8               | 21.8             | 22.5          | -9.34                 | -238.4                              | 91.8         | 207.7                  | 164.1                   | 43.57                     | 4.766              |          |
| 6,300.0                                                                    | 6,295.5               | 6,275.4               | 6,262.6               | 22.1             | 22.8          | -8.53                 | -250.3                              | 89.4         | 208.2                  | 164.2                   | 43.97                     | 4.735              |          |
| 6,400.0                                                                    | 6,394.2               | 6,371.1               | 6,356.3               | 22.4             | 23.2          | -7.10                 | -268.8                              | 85.1         | 210.6                  | 166.1                   | 44.50                     | 4.732              |          |
| 6,500.0                                                                    | 6,492.9               | 6,463.8               | 6,446.4               | 22.7             | 23.6          | -4.76                 | -289.4                              | 77.5         | 215.7                  | 170.9                   | 44.87                     | 4.807              |          |
| 6,600.0                                                                    | 6,591.6               | 6,557.4               | 6,536.4               | 23.1             | 24.0          | -2.03                 | -313.1                              | 68.2         | 224.3                  | 179.1                   | 45.25                     | 4.958              |          |
| 6,700.0                                                                    | 6,690.3               | 6,653.6               | 6,628.6               | 23.4             | 24.5          | 0.48                  | -339.2                              | 59.1         | 235.3                  | 189.6                   | 45.76                     | 5.143              |          |
| 6,800.0                                                                    | 6,789.0               | 6,746.6               | 6,717.4               | 23.8             | 24.9          | 2.66                  | -365.7                              | 50.5         | 248.2                  | 202.1                   | 46.12                     | 5.381              |          |
| 6,900.0                                                                    | 6,887.7               | 6,841.0               | 6,806.6               | 24.1             | 25.4          | 5.07                  | -394.5                              | 39.7         | 263.6                  | 217.1                   | 46.56                     | 5.663              |          |
| 7,000.0                                                                    | 6,986.4               | 6,937.9               | 6,897.8               | 24.5             | 25.8          | 7.48                  | -424.8                              | 27.6         | 280.5                  | 233.3                   | 47.14                     | 5.949              |          |
| 7,100.0                                                                    | 7,085.1               | 7,038.3               | 6,992.5               | 24.8             | 26.3          | 9.44                  | -456.1                              | 16.4         | 297.5                  | 249.6                   | 47.92                     | 6.208              |          |
| 7,200.0                                                                    | 7,183.8               | 7,131.6               | 7,080.6               | 25.2             | 26.8          | 10.89                 | -485.5                              | 6.9          | 314.9                  | 266.5                   | 48.37                     | 6.509              |          |
| 7,300.0                                                                    | 7,282.5               | 7,237.8               | 7,180.8               | 25.6             | 27.4          | 12.12                 | -519.4                              | -2.6         | 332.6                  | 283.2                   | 49.43                     | 6.729              |          |
| 7,400.0                                                                    | 7,381.2               | 7,330.6               | 7,268.6               | 25.9             | 27.8          | 13.32                 | -547.8                              | -12.1        | 349.5                  | 299.6                   | 49.90                     | 7.004              |          |
| 7,500.0                                                                    | 7,479.8               | 7,427.2               | 7,359.5               | 26.3             | 28.3          | 14.91                 | -577.9                              | -25.0        | 367.8                  | 317.2                   | 50.53                     | 7.278              |          |
| 7,600.0                                                                    | 7,578.5               | 7,529.5               | 7,455.9               | 26.7             | 28.9          | 16.44                 | -609.3                              | -38.5        | 385.9                  | 334.5                   | 51.41                     | 7.506              |          |
| 7,700.0                                                                    | 7,677.2               | 7,636.3               | 7,557.2               | 27.0             | 29.4          | 17.70                 | -640.8                              | -51.0        | 402.5                  | 350.1                   | 52.44                     | 7.676              |          |
| 7,800.0                                                                    | 7,775.9               | 7,732.6               | 7,648.8               | 27.4             | 30.0          | 18.53                 | -669.0                              | -60.6        | 418.6                  | 365.5                   | 53.09                     | 7.885              |          |
| 7,900.0                                                                    | 7,874.6               | 7,824.7               | 7,736.0               | 27.8             | 30.4          | 19.44                 | -696.5                              | -71.2        | 435.8                  | 382.2                   | 53.60                     | 8.130              |          |
| 8,000.0                                                                    | 7,973.3               | 7,932.5               | 7,838.2               | 28.2             | 31.0          | 20.60                 | -727.6                              | -84.8        | 452.6                  | 397.9                   | 54.64                     | 8.282              |          |
| 8,100.0                                                                    | 8,072.0               | 8,038.1               | 7,939.1               | 28.6             | 31.6          | 21.59                 | -756.6                              | -97.1        | 467.6                  | 412.1                   | 55.59                     | 8.412              |          |
| 8,200.0                                                                    | 8,170.7               | 8,143.7               | 8,040.4               | 28.9             | 32.1          | 22.50                 | -784.5                              | -108.6       | 481.6                  | 425.1                   | 56.53                     | 8.520              |          |
| 8,300.0                                                                    | 8,269.4               | 8,253.9               | 8,146.5               | 29.3             | 32.7          | 23.22                 | -812.0                              | -118.6       | 493.6                  | 436.0                   | 57.55                     | 8.576              |          |
| 8,400.0                                                                    | 8,368.1               | 8,367.6               | 8,256.8               | 29.7             | 33.3          | 23.88                 | -838.2                              | -127.5       | 503.3                  | 444.7                   | 58.62                     | 8.586              |          |
| 8,500.0                                                                    | 8,466.8               | 8,474.2               | 8,360.8               | 30.1             | 33.8          | 24.40                 | -860.5                              | -134.2       | 510.6                  | 451.1                   | 59.51                     | 8.580              |          |
| 8,600.0                                                                    | 8,565.5               | 8,575.8               | 8,460.1               | 30.5             | 34.3          | 24.80                 | -881.6                              | -139.6       | 517.2                  | 456.9                   | 60.29                     | 8.578              |          |
| 8,700.0                                                                    | 8,664.2               | 8,685.5               | 8,567.5               | 30.9             | 34.8          | 25.24                 | -903.2                              | -145.2       | 522.8                  | 461.6                   | 61.21                     | 8.541              |          |
| 8,800.0                                                                    | 8,762.9               | 8,789.9               | 8,670.0               | 31.3             | 35.3          | 25.66                 | -922.5                              | -150.1       | 527.1                  | 465.1                   | 62.03                     | 8.497              |          |
| 8,900.0                                                                    | 8,861.6               | 8,907.0               | 8,785.4               | 31.7             | 35.8          | 26.33                 | -941.2                              | -156.2       | 529.4                  | 466.4                   | 63.02                     | 8.402              |          |
| 9,000.0                                                                    | 8,960.3               | 9,025.3               | 8,902.7               | 32.1             | 36.3          | 27.15                 | -955.6                              | -161.8       | 528.0                  | 464.1                   | 63.95                     | 8.258              |          |
| 9,100.0                                                                    | 9,059.0               | 9,138.3               | 9,015.1               | 32.5             | 36.7          | 27.95                 | -966.5                              | -165.9       | 524.0                  | 459.2                   | 64.78                     | 8.089              |          |
| 9,200.0                                                                    | 9,157.7               | 9,277.8               | 9,154.3               | 32.9             | 37.2          | 29.16                 | -973.3                              | -169.5       | 515.5                  | 450.0                   | 65.54                     | 7.866              |          |
| 9,300.0                                                                    | 9,256.4               | 9,380.9               | 9,257.4               | 33.3             | 37.5          | 30.19                 | -973.6                              | -170.7       | 502.2                  | 436.0                   | 66.25                     | 7.581              |          |
| 9,400.0                                                                    | 9,355.1               | 9,469.5               | 9,346.0               | 33.7             | 37.8          | 31.09                 | -974.5                              | -171.7       | 489.8                  | 422.8                   | 67.04                     | 7.307              |          |
| 9,500.0                                                                    | 9,453.8               | 9,560.2               | 9,436.6               | 34.1             | 38.1          | 31.79                 | -977.8                              | -171.6       | 479.2                  | 411.4                   | 67.80                     | 7.068              |          |
| 9,600.0                                                                    | 9,552.5               | 9,632.0               | 9,508.2               | 34.5             | 38.4          | 32.11                 | -983.7                              | -171.1       | 472.3                  | 403.8                   | 68.48                     | 6.897              |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #504H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 29-MWD                                                     |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 9,639.2                                                                    | 9,591.1               | 9,654.0               | 9,529.9               | 34.6             | 38.5          | 32.14                 | -986.7                              | -170.9       | 471.5                  | 402.8                   | 68.62                     | 6.870             |                    |          |
| 9,700.0                                                                    | 9,651.2               | 9,679.2               | 9,554.7               | 34.9             | 38.6          | 32.08                 | -991.6                              | -170.7       | 473.5                  | 405.0                   | 68.51                     | 6.911             |                    |          |
| 9,800.0                                                                    | 9,749.9               | 9,736.4               | 9,609.4               | 35.3             | 38.9          | 31.56                 | -1,008.2                            | -169.9       | 485.0                  | 416.9                   | 68.12                     | 7.120             |                    |          |
| 9,900.0                                                                    | 9,848.6               | 9,803.6               | 9,671.5               | 35.7             | 39.3          | 30.58                 | -1,033.9                            | -168.7       | 504.4                  | 436.7                   | 67.72                     | 7.448             |                    |          |
| 10,000.0                                                                   | 9,947.3               | 9,860.5               | 9,722.2               | 36.1             | 39.6          | 29.54                 | -1,059.5                            | -167.4       | 530.5                  | 463.8                   | 66.71                     | 7.952             |                    |          |
| 10,100.0                                                                   | 10,046.0              | 9,919.0               | 9,771.7               | 36.5             | 40.0          | 28.27                 | -1,090.7                            | -166.1       | 564.5                  | 498.9                   | 65.59                     | 8.606             |                    |          |
| 10,200.0                                                                   | 10,144.7              | 9,956.6               | 9,801.7               | 36.9             | 40.3          | 27.37                 | -1,113.3                            | -165.1       | 605.8                  | 542.4                   | 63.36                     | 9.561             |                    |          |
| 10,300.0                                                                   | 10,243.4              | 10,015.0              | 9,845.1               | 37.3             | 40.7          | 25.88                 | -1,152.3                            | -163.7       | 654.5                  | 592.3                   | 62.21                     | 10.521            |                    |          |
| 10,400.0                                                                   | 10,342.1              | 10,015.0              | 9,845.1               | 37.7             | 40.7          | 25.88                 | -1,152.3                            | -163.7       | 709.2                  | 651.2                   | 58.02                     | 12.223            |                    |          |
| 10,500.0                                                                   | 10,440.8              | 10,055.1              | 9,871.8               | 38.1             | 41.0          | 24.80                 | -1,182.2                            | -162.7       | 769.7                  | 713.5                   | 56.22                     | 13.691            |                    |          |
| 10,600.0                                                                   | 10,539.5              | 10,076.6              | 9,884.5               | 38.5             | 41.2          | 24.21                 | -1,199.5                            | -162.2       | 836.2                  | 782.5                   | 53.68                     | 15.578            |                    |          |
| 10,700.0                                                                   | 10,638.2              | 10,111.0              | 9,902.5               | 39.0             | 41.5          | 23.24                 | -1,228.8                            | -161.4       | 907.8                  | 855.7                   | 52.09                     | 17.427            |                    |          |
| 10,800.0                                                                   | 10,736.9              | 10,111.0              | 9,902.5               | 39.4             | 41.5          | 23.24                 | -1,228.8                            | -161.4       | 982.3                  | 933.2                   | 49.12                     | 20.000            |                    |          |
| 10,900.0                                                                   | 10,835.6              | 10,143.5              | 9,917.6               | 39.8             | 41.8          | 22.35                 | -1,257.5                            | -160.6       | 1,060.0                | 1,012.0                 | 47.99                     | 22.088            |                    |          |
| 11,000.0                                                                   | 10,934.3              | 10,170.9              | 9,929.5               | 40.2             | 42.0          | 21.61                 | -1,282.2                            | -159.7       | 1,139.7                | 1,092.9                 | 46.85                     | 24.327            |                    |          |
| 11,100.0                                                                   | 11,033.0              | 10,207.0              | 9,944.1               | 40.6             | 42.3          | 20.66                 | -1,315.2                            | -158.2       | 1,221.3                | 1,175.1                 | 46.24                     | 26.411            |                    |          |
| 11,200.0                                                                   | 11,131.7              | 10,207.0              | 9,944.1               | 41.0             | 42.3          | 20.66                 | -1,315.2                            | -158.2       | 1,304.4                | 1,260.0                 | 44.41                     | 29.373            |                    |          |
| 11,300.0                                                                   | 11,230.4              | 10,239.2              | 9,955.9               | 41.4             | 42.6          | 19.84                 | -1,345.1                            | -156.6       | 1,388.8                | 1,344.8                 | 43.97                     | 31.587            |                    |          |
| 11,400.0                                                                   | 11,329.1              | 10,258.0              | 9,962.3               | 41.9             | 42.8          | 19.37                 | -1,362.7                            | -155.5       | 1,474.5                | 1,431.4                 | 43.18                     | 34.151            |                    |          |
| 11,500.0                                                                   | 11,427.8              | 10,302.0              | 9,975.7               | 42.3             | 43.2          | 18.29                 | -1,404.5                            | -152.5       | 1,562.1                | 1,518.8                 | 43.31                     | 36.067            |                    |          |
| 11,535.3                                                                   | 11,462.6              | 10,302.0              | 9,975.7               | 42.4             | 43.2          | 18.29                 | -1,404.5                            | -152.5       | 1,592.8                | 1,549.9                 | 42.89                     | 37.138            |                    |          |
| 11,600.0                                                                   | 11,526.5              | 10,302.0              | 9,975.7               | 42.7             | 43.2          | 18.86                 | -1,404.5                            | -152.5       | 1,649.7                | 1,607.5                 | 42.18                     | 39.110            |                    |          |
| 11,700.0                                                                   | 11,625.7              | 10,302.0              | 9,975.7               | 43.1             | 43.2          | 19.89                 | -1,404.5                            | -152.5       | 1,739.7                | 1,698.5                 | 41.27                     | 42.157            |                    |          |
| 11,800.0                                                                   | 11,725.1              | 10,302.0              | 9,975.7               | 43.5             | 43.2          | 21.13                 | -1,404.5                            | -152.5       | 1,831.7                | 1,791.2                 | 40.54                     | 45.180            |                    |          |
| 11,900.0                                                                   | 11,824.8              | 10,302.0              | 9,975.7               | 43.9             | 43.2          | 22.62                 | -1,404.5                            | -152.5       | 1,925.4                | 1,885.4                 | 39.98                     | 48.156            |                    |          |
| 12,000.0                                                                   | 11,924.7              | 10,302.0              | 9,975.7               | 44.2             | 43.2          | 24.45                 | -1,404.5                            | -152.5       | 2,020.4                | 1,980.8                 | 39.56                     | 51.069            |                    |          |
| 12,100.0                                                                   | 12,024.6              | 10,302.0              | 9,975.7               | 44.6             | 43.2          | 26.72                 | -1,404.5                            | -152.5       | 2,116.6                | 2,077.3                 | 39.26                     | 53.906            |                    |          |
| 12,152.4                                                                   | 12,077.0              | 10,302.0              | 9,975.7               | 44.7             | 43.2          | -153.54               | -1,404.5                            | -152.5       | 2,167.3                | 2,128.1                 | 39.15                     | 55.359            |                    |          |
| 12,200.0                                                                   | 12,124.6              | 10,302.0              | 9,975.7               | 44.9             | 43.2          | 16.89                 | -1,404.5                            | -152.5       | 2,213.1                | 2,174.0                 | 39.03                     | 56.702            |                    |          |
| 12,250.0                                                                   | 12,174.2              | 10,302.0              | 9,975.7               | 45.1             | 43.2          | 13.34                 | -1,404.5                            | -152.5       | 2,260.0                | 2,221.1                 | 38.85                     | 58.173            |                    |          |
| 12,300.0                                                                   | 12,223.0              | 10,302.0              | 9,975.7               | 45.3             | 43.2          | 11.03                 | -1,404.5                            | -152.5       | 2,305.5                | 2,266.8                 | 38.62                     | 59.694            |                    |          |
| 12,350.0                                                                   | 12,270.7              | 10,302.0              | 9,975.7               | 45.6             | 43.2          | 9.43                  | -1,404.5                            | -152.5       | 2,349.2                | 2,310.9                 | 38.35                     | 61.256            |                    |          |
| 12,400.0                                                                   | 12,317.0              | 10,302.0              | 9,975.7               | 45.8             | 43.2          | 8.25                  | -1,404.5                            | -152.5       | 2,391.0                | 2,353.0                 | 38.04                     | 62.848            |                    |          |
| 12,450.0                                                                   | 12,361.4              | 10,343.3              | 9,985.1               | 46.1             | 43.6          | 7.04                  | -1,444.7                            | -149.9       | 2,428.0                | 2,389.6                 | 38.46                     | 63.130            |                    |          |
| 12,500.0                                                                   | 12,403.7              | 10,347.6              | 9,985.8               | 46.4             | 43.7          | 6.37                  | -1,448.9                            | -149.7       | 2,464.8                | 2,426.6                 | 38.15                     | 64.604            |                    |          |
| 12,550.0                                                                   | 12,443.5              | 10,352.3              | 9,986.5               | 46.7             | 43.7          | 5.85                  | -1,453.5                            | -149.5       | 2,498.9                | 2,461.1                 | 37.83                     | 66.065            |                    |          |
| 12,600.0                                                                   | 12,480.5              | 10,357.2              | 9,987.2               | 47.1             | 43.8          | 5.43                  | -1,458.3                            | -149.3       | 2,530.3                | 2,492.8                 | 37.48                     | 67.505            |                    |          |
| 12,650.0                                                                   | 12,514.4              | 10,398.0              | 9,990.6               | 47.4             | 44.1          | 4.95                  | -1,499.0                            | -148.2       | 2,560.7                | 2,523.0                 | 37.72                     | 67.883            |                    |          |
| 12,700.0                                                                   | 12,545.0              | 10,398.0              | 9,990.6               | 47.8             | 44.1          | 4.71                  | -1,499.0                            | -148.2       | 2,585.5                | 2,548.3                 | 37.26                     | 69.396            |                    |          |
| 12,750.0                                                                   | 12,572.0              | 10,398.0              | 9,990.6               | 48.1             | 44.1          | 4.52                  | -1,499.0                            | -148.2       | 2,607.3                | 2,570.5                 | 36.80                     | 70.857            |                    |          |
| 12,800.0                                                                   | 12,595.3              | 10,398.0              | 9,990.6               | 48.5             | 44.1          | 4.36                  | -1,499.0                            | -148.2       | 2,625.9                | 2,589.5                 | 36.35                     | 72.246            |                    |          |
| 12,850.0                                                                   | 12,614.6              | 10,398.0              | 9,990.6               | 48.9             | 44.1          | 4.24                  | -1,499.0                            | -148.2       | 2,641.2                | 2,605.3                 | 35.91                     | 73.545            |                    |          |
| 12,900.0                                                                   | 12,629.8              | 10,398.0              | 9,990.6               | 49.3             | 44.1          | 4.15                  | -1,499.0                            | -148.2       | 2,653.2                | 2,617.7                 | 35.50                     | 74.733            |                    |          |
| 12,950.0                                                                   | 12,640.8              | 10,398.0              | 9,990.6               | 49.7             | 44.1          | 4.09                  | -1,499.0                            | -148.2       | 2,661.9                | 2,626.7                 | 35.12                     | 75.788            |                    |          |
| 13,000.0                                                                   | 12,647.6              | 10,442.1              | 9,991.9               | 50.1             | 44.6          | 3.96                  | -1,543.1                            | -147.4       | 2,666.8                | 2,631.5                 | 35.29                     | 75.563            |                    |          |
| 13,052.4                                                                   | 12,650.0              | 10,503.6              | 9,993.8               | 50.5             | 45.2          | 3.83                  | -1,604.5                            | -145.8       | 2,667.2                | 2,631.6                 | 35.65                     | 74.822            |                    |          |
| 13,100.0                                                                   | 12,650.0              | 10,538.4              | 9,994.8               | 50.9             | 45.5          | 3.80                  | -1,639.3                            | -144.9       | 2,665.5                | 2,629.8                 | 35.73                     | 74.598            |                    |          |
| 13,200.0                                                                   | 12,650.0              | 10,743.6              | 10,003.9              | 51.8             | 47.7          | 3.62                  | -1,844.2                            | -138.0       | 2,661.0                | 2,623.3                 | 37.74                     | 70.505            |                    |          |
| 13,267.5                                                                   | 12,650.0              | 10,806.3              | 10,008.2              | 52.4             | 48.4          | 3.67                  | -1,906.6                            | -136.0       | 2,656.2                | 2,618.1                 | 38.12                     | 69.687            |                    |          |
| 13,300.0                                                                   | 12,650.0              | 10,826.3              | 10,009.5              | 52.7             | 48.6          | 3.66                  | -1,926.6                            | -135.6       | 2,654.1                | 2,615.9                 | 38.16                     | 69.554            |                    |          |
| 13,400.0                                                                   | 12,650.0              | 10,878.0              | 10,012.4              | 53.6             | 49.2          | 3.66                  | -1,978.2                            | -134.7       | 2,648.5                | 2,610.4                 | 38.18                     | 69.368            |                    |          |
| 13,500.0                                                                   | 12,650.0              | 10,940.0              | 10,014.9              | 54.6             | 49.9          | 3.65                  | -2,040.2                            | -134.0       | 2,644.6                | 2,606.2                 | 38.42                     | 68.840            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #504H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 29-MWD                                                     |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 13,600.0                                                                   | 12,650.0              | 11,026.2              | 10,016.8              | 55.6             | 50.9          | 3.63                  | -2,126.3                            | -132.4       | 2,642.2                | 2,603.2                 | 39.03                     | 67.700             |          |
| 13,700.0                                                                   | 12,650.0              | 11,139.5              | 10,020.0              | 56.6             | 52.3          | 3.58                  | -2,239.6                            | -129.0       | 2,639.3                | 2,599.3                 | 40.05                     | 65.904             |          |
| 13,800.0                                                                   | 12,650.0              | 11,301.2              | 10,023.9              | 57.6             | 54.2          | 3.47                  | -2,358.1                            | -123.1       | 2,635.7                | 2,580.8                 | 54.92                     | 47.995             |          |
| 13,900.0                                                                   | 12,650.0              | 11,301.2              | 10,025.1              | 58.7             | 54.2          | 3.43                  | -2,400.9                            | -121.1       | 2,632.9                | 2,591.6                 | 41.29                     | 63.766             |          |
| 13,981.9                                                                   | 12,650.0              | 11,343.0              | 10,025.2              | 59.6             | 54.8          | 3.42                  | -2,442.7                            | -120.2       | 2,632.5                | 2,590.9                 | 41.53                     | 63.387             |          |
| 14,000.0                                                                   | 12,650.0              | 11,343.0              | 10,025.2              | 59.8             | 54.8          | 3.42                  | -2,442.7                            | -120.2       | 2,632.5                | 2,591.1                 | 41.47                     | 63.483             |          |
| 14,100.0                                                                   | 12,650.0              | 11,427.0              | 10,024.2              | 61.0             | 55.8          | 3.39                  | -2,526.7                            | -118.3       | 2,633.6                | 2,591.3                 | 42.24                     | 62.348             |          |
| 14,200.0                                                                   | 12,650.0              | 11,501.7              | 10,022.8              | 62.1             | 56.8          | 3.34                  | -2,601.3                            | -115.6       | 2,635.3                | 2,592.4                 | 42.92                     | 61.398             |          |
| 14,300.0                                                                   | 12,650.0              | 11,677.3              | 10,022.0              | 63.3             | 59.0          | 3.29                  | -2,776.9                            | -112.5       | 2,635.4                | 2,590.4                 | 44.96                     | 58.620             |          |
| 14,400.0                                                                   | 12,650.0              | 11,774.5              | 10,022.4              | 64.5             | 60.3          | 3.29                  | -2,874.1                            | -111.5       | 2,634.9                | 2,588.9                 | 46.00                     | 57.275             |          |
| 14,500.0                                                                   | 12,650.0              | 11,866.5              | 10,022.8              | 65.7             | 61.6          | 3.26                  | -2,966.1                            | -109.7       | 2,634.4                | 2,587.4                 | 47.00                     | 56.054             |          |
| 14,600.0                                                                   | 12,650.0              | 12,042.2              | 10,025.2              | 67.0             | 63.9          | 3.24                  | -3,141.7                            | -107.5       | 2,633.3                | 2,584.1                 | 49.21                     | 53.506             |          |
| 14,700.0                                                                   | 12,650.0              | 12,206.0              | 10,032.1              | 68.2             | 66.2          | 3.25                  | -3,305.3                            | -106.7       | 2,629.1                | 2,577.7                 | 51.35                     | 51.198             |          |
| 14,800.0                                                                   | 12,650.0              | 12,409.8              | 10,047.3              | 69.5             | 69.1          | 3.17                  | -3,508.4                            | -101.1       | 2,621.5                | 2,567.3                 | 54.18                     | 48.389             |          |
| 14,900.0                                                                   | 12,650.0              | 12,448.6              | 10,050.5              | 70.8             | 69.6          | 3.17                  | -3,547.2                            | -100.5       | 2,613.1                | 2,558.7                 | 54.40                     | 48.032             |          |
| 15,000.0                                                                   | 12,650.0              | 12,478.0              | 10,052.4              | 72.1             | 70.1          | 3.17                  | -3,576.5                            | -100.2       | 2,607.2                | 2,552.7                 | 54.54                     | 47.805             |          |
| 15,100.0                                                                   | 12,650.0              | 12,545.3              | 10,055.3              | 73.4             | 71.0          | 3.18                  | -3,643.7                            | -100.0       | 2,603.0                | 2,547.7                 | 55.30                     | 47.075             |          |
| 15,200.0                                                                   | 12,650.0              | 12,609.2              | 10,056.8              | 74.8             | 71.9          | 3.20                  | -3,707.5                            | -100.5       | 2,600.6                | 2,544.6                 | 56.03                     | 46.414             |          |
| 15,300.0                                                                   | 12,650.0              | 12,683.7              | 10,058.0              | 76.1             | 73.0          | 3.24                  | -3,782.1                            | -102.0       | 2,599.3                | 2,542.3                 | 56.95                     | 45.638             |          |
| 15,380.7                                                                   | 12,650.0              | 12,742.5              | 10,058.3              | 77.2             | 73.9          | 3.29                  | -3,840.8                            | -103.7       | 2,598.9                | 2,541.2                 | 57.70                     | 45.044             |          |
| 15,400.0                                                                   | 12,650.0              | 12,756.5              | 10,058.3              | 77.5             | 74.1          | 3.30                  | -3,854.8                            | -104.2       | 2,598.9                | 2,541.1                 | 57.88                     | 44.905             |          |
| 15,500.0                                                                   | 12,650.0              | 12,920.6              | 10,060.1              | 78.8             | 76.5          | 3.44                  | -4,018.8                            | -109.2       | 2,598.2                | 2,538.0                 | 60.15                     | 43.194             |          |
| 15,600.0                                                                   | 12,650.0              | 13,042.6              | 10,063.8              | 80.2             | 78.2          | 3.50                  | -4,140.7                            | -110.9       | 2,595.3                | 2,533.4                 | 61.81                     | 41.985             |          |
| 15,700.0                                                                   | 12,650.0              | 13,127.2              | 10,066.3              | 81.6             | 79.5          | 3.53                  | -4,225.3                            | -111.7       | 2,592.4                | 2,529.5                 | 62.93                     | 41.194             |          |
| 15,800.0                                                                   | 12,650.0              | 13,245.1              | 10,069.6              | 83.0             | 81.2          | 3.56                  | -4,343.1                            | -112.3       | 2,589.7                | 2,525.2                 | 64.55                     | 40.122             |          |
| 15,900.0                                                                   | 12,650.0              | 13,381.3              | 10,076.1              | 84.4             | 83.3          | 3.55                  | -4,479.2                            | -110.4       | 2,584.5                | 2,518.1                 | 66.43                     | 38.909             |          |
| 16,000.0                                                                   | 12,650.0              | 13,437.0              | 10,078.1              | 85.9             | 84.1          | 3.53                  | -4,534.8                            | -109.0       | 2,580.9                | 2,513.7                 | 67.13                     | 38.447             |          |
| 16,100.0                                                                   | 12,650.0              | 13,490.9              | 10,079.0              | 87.3             | 84.9          | 3.50                  | -4,588.7                            | -107.5       | 2,579.0                | 2,511.1                 | 67.82                     | 38.027             |          |
| 16,200.0                                                                   | 12,650.0              | 13,562.8              | 10,079.1              | 88.7             | 86.0          | 3.46                  | -4,660.6                            | -105.2       | 2,578.6                | 2,509.8                 | 68.78                     | 37.492             |          |
| 16,300.0                                                                   | 12,650.0              | 13,691.9              | 10,079.4              | 90.2             | 88.0          | 3.42                  | -4,789.6                            | -102.7       | 2,578.3                | 2,507.8                 | 70.56                     | 36.541             |          |
| 16,400.0                                                                   | 12,650.0              | 13,782.8              | 10,080.6              | 91.6             | 89.3          | 3.42                  | -4,880.5                            | -102.0       | 2,577.1                | 2,505.2                 | 71.82                     | 35.881             |          |
| 16,457.7                                                                   | 12,650.0              | 13,820.0              | 10,080.8              | 92.5             | 89.9          | 3.44                  | -4,917.7                            | -102.4       | 2,576.8                | 2,504.4                 | 72.34                     | 35.618             |          |
| 16,500.0                                                                   | 12,650.0              | 13,847.7              | 10,080.8              | 93.1             | 90.3          | 3.45                  | -4,945.4                            | -102.9       | 2,576.9                | 2,504.1                 | 72.74                     | 35.427             |          |
| 16,600.0                                                                   | 12,650.0              | 13,915.0              | 10,079.9              | 94.5             | 91.3          | 3.51                  | -5,012.7                            | -105.2       | 2,578.3                | 2,504.6                 | 73.71                     | 34.978             |          |
| 16,700.0                                                                   | 12,650.0              | 13,990.7              | 10,078.2              | 96.0             | 92.5          | 3.60                  | -5,088.3                            | -109.1       | 2,580.9                | 2,506.0                 | 74.83                     | 34.489             |          |
| 16,800.0                                                                   | 12,650.0              | 14,080.8              | 10,075.9              | 97.5             | 93.9          | 3.72                  | -5,178.2                            | -113.6       | 2,583.8                | 2,507.7                 | 76.17                     | 33.922             |          |
| 16,900.0                                                                   | 12,650.0              | 14,227.1              | 10,072.4              | 99.0             | 96.1          | 3.80                  | -5,324.4                            | -116.9       | 2,586.5                | 2,508.2                 | 78.29                     | 33.039             |          |
| 17,000.0                                                                   | 12,650.0              | 14,414.8              | 10,073.3              | 100.5            | 99.0          | 3.83                  | -5,512.1                            | -117.1       | 2,586.0                | 2,505.0                 | 80.96                     | 31.941             |          |
| 17,079.7                                                                   | 12,650.0              | 14,442.5              | 10,073.3              | 101.6            | 99.4          | 3.83                  | -5,539.8                            | -116.8       | 2,585.5                | 2,504.1                 | 81.38                     | 31.769             |          |
| 17,100.0                                                                   | 12,650.0              | 14,453.1              | 10,073.3              | 101.9            | 99.6          | 3.83                  | -5,550.4                            | -116.7       | 2,585.5                | 2,504.0                 | 81.54                     | 31.709             |          |
| 17,200.0                                                                   | 12,650.0              | 14,507.2              | 10,072.6              | 103.4            | 100.4         | 3.82                  | -5,604.4                            | -116.2       | 2,586.8                | 2,504.4                 | 82.34                     | 31.417             |          |
| 17,300.0                                                                   | 12,650.0              | 14,565.8              | 10,070.8              | 104.9            | 101.3         | 3.81                  | -5,663.1                            | -115.3       | 2,589.7                | 2,506.5                 | 83.20                     | 31.126             |          |
| 17,400.0                                                                   | 12,650.0              | 14,652.8              | 10,067.0              | 106.5            | 102.7         | 3.78                  | -5,749.9                            | -113.4       | 2,594.0                | 2,509.5                 | 84.45                     | 30.715             |          |
| 17,500.0                                                                   | 12,650.0              | 14,833.6              | 10,062.4              | 108.0            | 105.5         | 3.70                  | -5,930.7                            | -109.4       | 2,596.1                | 2,509.1                 | 87.00                     | 29.842             |          |
| 17,600.0                                                                   | 12,650.0              | 14,916.1              | 10,061.2              | 109.5            | 106.8         | 3.67                  | -6,013.1                            | -107.5       | 2,597.6                | 2,509.4                 | 88.20                     | 29.452             |          |
| 17,700.0                                                                   | 12,650.0              | 15,009.3              | 10,059.0              | 111.0            | 108.2         | 3.64                  | -6,106.2                            | -105.5       | 2,599.7                | 2,510.2                 | 89.55                     | 29.032             |          |
| 17,800.0                                                                   | 12,650.0              | 15,173.5              | 10,057.6              | 112.5            | 110.8         | 3.67                  | -6,270.4                            | -106.1       | 2,600.7                | 2,508.8                 | 91.93                     | 28.291             |          |
| 17,900.0                                                                   | 12,650.0              | 15,297.6              | 10,058.2              | 114.1            | 112.7         | 3.69                  | -6,394.5                            | -106.1       | 2,600.4                | 2,506.6                 | 93.74                     | 27.741             |          |
| 18,000.0                                                                   | 12,650.0              | 15,390.2              | 10,060.1              | 115.6            | 114.2         | 3.67                  | -6,487.1                            | -104.7       | 2,598.3                | 2,503.2                 | 95.11                     | 27.321             |          |
| 18,045.1                                                                   | 12,650.0              | 15,408.3              | 10,060.2              | 116.3            | 114.5         | 3.67                  | -6,505.2                            | -104.4       | 2,598.1                | 2,502.7                 | 95.40                     | 27.234             |          |
| 18,100.0                                                                   | 12,650.0              | 15,453.0              | 10,059.6              | 117.1            | 115.2         | 3.66                  | -6,549.9                            | -103.8       | 2,598.7                | 2,502.6                 | 96.07                     | 27.051             |          |
| 18,200.0                                                                   | 12,650.0              | 15,488.6              | 10,058.6              | 118.7            | 115.8         | 3.65                  | -6,585.5                            | -103.3       | 2,600.7                | 2,504.1                 | 96.65                     | 26.909             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #504H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 29-MWD                                                     |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 18,300.0                                                                   | 12,650.0              | 15,576.4              | 10,055.7              | 120.2            | 117.1         | 3.62                  | -6,673.2                            | -101.4       | 2,603.9                | 2,506.0                 | 97.94                     | 26.586             |          |
| 18,400.0                                                                   | 12,650.0              | 15,687.6              | 10,052.1              | 121.8            | 118.9         | 3.59                  | -6,784.3                            | -99.5        | 2,607.1                | 2,507.5                 | 99.57                     | 26.184             |          |
| 18,500.0                                                                   | 12,650.0              | 15,798.7              | 10,049.2              | 123.3            | 120.7         | 3.57                  | -6,895.4                            | -98.1        | 2,609.7                | 2,508.5                 | 101.20                    | 25.787             |          |
| 18,600.0                                                                   | 12,650.0              | 15,891.4              | 10,046.7              | 124.9            | 122.1         | 3.55                  | -6,988.0                            | -96.6        | 2,612.2                | 2,509.7                 | 102.58                    | 25.466             |          |
| 18,700.0                                                                   | 12,650.0              | 15,966.5              | 10,044.3              | 126.4            | 123.3         | 3.52                  | -7,063.1                            | -95.2        | 2,615.4                | 2,511.7                 | 103.71                    | 25.218             |          |
| 18,800.0                                                                   | 12,650.0              | 16,031.9              | 10,041.4              | 128.0            | 124.3         | 3.49                  | -7,128.4                            | -93.6        | 2,619.8                | 2,515.1                 | 104.70                    | 25.022             |          |
| 18,900.0                                                                   | 12,650.0              | 16,126.6              | 10,036.4              | 129.5            | 125.9         | 3.45                  | -7,223.0                            | -91.3        | 2,624.9                | 2,518.8                 | 106.10                    | 24.741             |          |
| 19,000.0                                                                   | 12,650.0              | 16,189.2              | 10,032.6              | 131.1            | 126.8         | 3.42                  | -7,285.5                            | -89.8        | 2,630.8                | 2,523.8                 | 107.04                    | 24.578             |          |
| 19,100.0                                                                   | 12,650.0              | 16,343.9              | 10,023.7              | 132.6            | 129.3         | 3.34                  | -7,439.8                            | -86.0        | 2,636.5                | 2,527.3                 | 109.28                    | 24.126             |          |
| 19,200.0                                                                   | 12,650.0              | 19,200.0              | 10,018.0              | 134.2            | 174.8         | 3.31                  | -7,568.4                            | -83.9        | 2,641.0                | 2,508.9                 | 132.06                    | 19.998             |          |
| 19,300.0                                                                   | 12,650.0              | 16,628.4              | 10,015.3              | 135.8            | 133.8         | 3.33                  | -7,724.1                            | -84.2        | 2,642.4                | 2,528.9                 | 113.47                    | 23.287             |          |
| 19,400.0                                                                   | 12,650.0              | 16,714.2              | 10,014.1              | 137.3            | 135.2         | 3.35                  | -7,809.9                            | -84.4        | 2,643.9                | 2,529.1                 | 114.79                    | 23.032             |          |
| 19,500.0                                                                   | 12,650.0              | 16,776.1              | 10,012.5              | 138.9            | 136.2         | 3.36                  | -7,871.8                            | -84.7        | 2,646.5                | 2,530.7                 | 115.78                    | 22.858             |          |
| 19,600.0                                                                   | 12,650.0              | 16,832.6              | 10,010.2              | 140.5            | 137.1         | 3.37                  | -7,928.2                            | -85.2        | 2,650.6                | 2,533.9                 | 116.68                    | 22.716             |          |
| 19,700.0                                                                   | 12,650.0              | 16,890.0              | 10,006.9              | 142.1            | 138.0         | 3.39                  | -7,985.5                            | -85.7        | 2,656.4                | 2,538.9                 | 117.59                    | 22.591             |          |
| 19,800.0                                                                   | 12,650.0              | 17,051.5              | 10,000.0              | 143.6            | 140.6         | 3.44                  | -8,146.8                            | -87.6        | 2,660.2                | 2,540.2                 | 120.03                    | 22.164             |          |
| 19,900.0                                                                   | 12,650.0              | 17,212.1              | 9,995.4               | 145.2            | 143.2         | 3.51                  | -8,307.3                            | -90.0        | 2,663.1                | 2,540.6                 | 122.43                    | 21.752             |          |
| 20,000.0                                                                   | 12,650.0              | 17,274.7              | 9,993.8               | 146.8            | 144.2         | 3.54                  | -8,369.9                            | -91.1        | 2,665.8                | 2,542.3                 | 123.45                    | 21.593             |          |
| 20,100.0                                                                   | 12,650.0              | 17,359.3              | 9,990.8               | 148.4            | 145.5         | 3.57                  | -8,454.5                            | -92.2        | 2,669.4                | 2,544.7                 | 124.78                    | 21.393             |          |
| 20,200.0                                                                   | 12,650.0              | 17,508.1              | 9,987.2               | 150.0            | 147.9         | 3.60                  | -8,603.2                            | -92.9        | 2,671.6                | 2,544.6                 | 127.00                    | 21.036             |          |
| 20,300.0                                                                   | 12,650.0              | 17,818.7              | 9,992.8               | 151.6            | 152.9         | 3.57                  | -8,913.5                            | -89.0        | 2,669.8                | 2,538.6                 | 131.18                    | 20.353             |          |
| 20,400.0                                                                   | 12,650.0              | 17,914.9              | 9,998.4               | 153.2            | 154.5         | 3.47                  | -9,009.5                            | -83.8        | 2,663.7                | 2,531.1                 | 132.60                    | 20.088             |          |
| 20,500.0                                                                   | 12,650.0              | 17,981.7              | 10,001.6              | 154.7            | 155.6         | 3.42                  | -9,076.1                            | -80.5        | 2,658.6                | 2,524.9                 | 133.69                    | 19.886             |          |
| 20,600.0                                                                   | 12,650.0              | 18,038.0              | 10,003.6              | 156.3            | 156.5         | 3.36                  | -9,132.3                            | -77.6        | 2,655.0                | 2,520.3                 | 134.65                    | 19.717             |          |
| 20,700.0                                                                   | 12,650.0              | 18,103.5              | 10,004.9              | 157.9            | 157.5         | 3.30                  | -9,197.7                            | -74.2        | 2,652.8                | 2,517.1                 | 135.70                    | 19.548             |          |
| 20,800.0                                                                   | 12,650.0              | 18,309.0              | 10,009.5              | 159.5            | 160.9         | 3.18                  | -9,403.0                            | -67.1        | 2,651.5                | 2,513.0                 | 138.45                    | 19.152             |          |
| 20,900.0                                                                   | 12,650.0              | 18,371.7              | 10,012.5              | 161.1            | 161.9         | 3.20                  | -9,465.6                            | -67.7        | 2,646.7                | 2,507.2                 | 139.55                    | 18.966             |          |
| 21,000.0                                                                   | 12,650.0              | 18,498.4              | 10,017.6              | 162.7            | 163.9         | 3.24                  | -9,592.2                            | -68.5        | 2,642.9                | 2,501.5                 | 141.42                    | 18.688             |          |
| 21,100.0                                                                   | 12,650.0              | 18,596.0              | 10,023.2              | 164.3            | 165.5         | 3.25                  | -9,689.6                            | -67.9        | 2,637.2                | 2,494.3                 | 142.93                    | 18.451             |          |
| 21,200.0                                                                   | 12,650.0              | 18,654.0              | 10,026.1              | 165.9            | 166.4         | 3.26                  | -9,747.5                            | -68.0        | 2,632.6                | 2,488.7                 | 143.97                    | 18.286             |          |
| 21,300.0                                                                   | 12,650.0              | 18,700.8              | 10,027.1              | 167.5            | 167.2         | 3.28                  | -9,794.3                            | -68.4        | 2,630.4                | 2,485.6                 | 144.85                    | 18.160             |          |
| 21,400.0                                                                   | 12,650.0              | 18,788.0              | 10,028.4              | 169.1            | 168.6         | 3.30                  | -9,881.5                            | -68.6        | 2,629.1                | 2,482.8                 | 146.23                    | 17.979             |          |
| 21,488.9                                                                   | 12,650.0              | 18,855.3              | 10,028.9              | 170.5            | 169.7         | 3.29                  | -9,948.8                            | -67.9        | 2,628.5                | 2,481.2                 | 147.31                    | 17.843             |          |
| 21,500.0                                                                   | 12,650.0              | 18,862.3              | 10,028.9              | 170.7            | 169.8         | 3.29                  | -9,955.8                            | -67.8        | 2,628.5                | 2,481.1                 | 147.43                    | 17.829             |          |
| 21,600.0                                                                   | 12,650.0              | 18,953.7              | 10,028.4              | 172.3            | 171.3         | 3.29                  | -10,047.2                           | -67.2        | 2,629.0                | 2,480.1                 | 148.85                    | 17.662             |          |
| 21,700.0                                                                   | 12,650.0              | 19,051.7              | 10,028.1              | 173.9            | 172.9         | 3.35                  | -10,145.2                           | -69.3        | 2,629.5                | 2,479.1                 | 150.40                    | 17.483             |          |
| 21,800.0                                                                   | 12,650.0              | 19,163.1              | 10,027.7              | 175.5            | 174.7         | 3.41                  | -10,256.6                           | -71.2        | 2,629.9                | 2,477.8                 | 152.13                    | 17.287             |          |
| 21,900.0                                                                   | 12,650.0              | 19,252.9              | 10,027.5              | 177.1            | 176.1         | 3.42                  | -10,346.3                           | -71.4        | 2,630.2                | 2,476.6                 | 153.54                    | 17.130             |          |
| 22,000.0                                                                   | 12,650.0              | 19,305.6              | 10,026.9              | 178.7            | 177.0         | 3.42                  | -10,399.1                           | -71.1        | 2,631.5                | 2,477.0                 | 154.44                    | 17.039             |          |
| 22,100.0                                                                   | 12,650.0              | 19,363.0              | 10,024.9              | 180.3            | 177.9         | 3.44                  | -10,456.4                           | -71.9        | 2,634.9                | 2,479.5                 | 155.38                    | 16.958             |          |
| 22,200.0                                                                   | 12,650.0              | 19,441.9              | 10,021.2              | 182.0            | 179.2         | 3.47                  | -10,535.2                           | -73.1        | 2,639.6                | 2,482.9                 | 156.63                    | 16.852             |          |
| 22,300.0                                                                   | 12,650.0              | 19,620.2              | 10,015.8              | 183.6            | 182.1         | 3.56                  | -10,713.4                           | -76.5        | 2,642.7                | 2,483.4                 | 159.37                    | 16.582             |          |
| 22,400.0                                                                   | 12,650.0              | 19,650.0              | 10,015.4              | 185.2            | 182.6         | 3.58                  | -10,743.2                           | -77.2        | 2,645.4                | 2,485.4                 | 159.93                    | 16.541             |          |
| 22,500.0                                                                   | 12,650.0              | 19,692.6              | 10,013.8              | 186.8            | 183.2         | 3.61                  | -10,785.8                           | -78.5        | 2,650.2                | 2,489.6                 | 160.62                    | 16.500             |          |
| 22,600.0                                                                   | 12,650.0              | 19,746.0              | 10,008.7              | 188.4            | 184.1         | 3.67                  | -10,838.8                           | -81.1        | 2,658.9                | 2,497.5                 | 161.45                    | 16.469             |          |
| 22,700.0                                                                   | 12,650.0              | 20,040.1              | 9,992.0               | 190.0            | 188.9         | 3.96                  | -11,132.0                           | -93.9        | 2,667.5                | 2,501.4                 | 166.14                    | 16.056             |          |
| 22,800.0                                                                   | 12,650.0              | 20,117.0              | 9,991.0               | 191.6            | 190.1         | 4.01                  | -11,208.8                           | -95.8        | 2,669.0                | 2,501.6                 | 167.42                    | 15.942             |          |
| 22,884.1                                                                   | 12,650.0              | 20,190.4              | 9,989.6               | 193.0            | 191.3         | 4.06                  | -11,282.2                           | -97.9        | 2,670.8                | 2,502.2                 | 168.62                    | 15.839             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #511H - Wellbore #1 - BLM Plan #1 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-MWD                                                            |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 0.0                                                                              | 0.0                   | 5.0                   | -5.0                  | 0.0              | 0.0           | 87.39                 | 80.5                                | 1,764.1      | 1,765.9                |                         |                           |                    |          |
| 100.0                                                                            | 100.0                 | 105.0                 | 95.0                  | 0.1              | 0.1           | 87.39                 | 80.5                                | 1,764.1      | 1,765.9                | 1,765.7                 | 0.27                      | 6,439.635          |          |
| 200.0                                                                            | 200.0                 | 205.0                 | 195.0                 | 0.5              | 0.5           | 87.39                 | 80.5                                | 1,764.1      | 1,765.9                | 1,765.0                 | 0.99                      | 1,781.673          |          |
| 300.0                                                                            | 300.0                 | 305.0                 | 295.0                 | 0.8              | 0.9           | 87.39                 | 80.5                                | 1,764.1      | 1,765.9                | 1,764.2                 | 1.71                      | 1,033.856          |          |
| 400.0                                                                            | 400.0                 | 405.0                 | 395.0                 | 1.2              | 1.2           | 87.39                 | 80.5                                | 1,764.1      | 1,765.9                | 1,763.5                 | 2.43                      | 728.208            |          |
| 500.0                                                                            | 500.0                 | 505.0                 | 495.0                 | 1.6              | 1.6           | 87.39                 | 80.5                                | 1,764.1      | 1,765.9                | 1,762.8                 | 3.14                      | 562.045            |          |
| 600.0                                                                            | 600.0                 | 605.0                 | 595.0                 | 1.9              | 1.9           | 87.39                 | 80.5                                | 1,764.1      | 1,765.9                | 1,762.1                 | 3.86                      | 457.624            |          |
| 700.0                                                                            | 700.0                 | 705.0                 | 695.0                 | 2.3              | 2.3           | 87.39                 | 80.5                                | 1,764.1      | 1,765.9                | 1,761.4                 | 4.58                      | 385.925            |          |
| 800.0                                                                            | 800.0                 | 805.0                 | 795.0                 | 2.6              | 2.7           | 87.39                 | 80.5                                | 1,764.1      | 1,765.9                | 1,760.7                 | 5.29                      | 333.649            |          |
| 900.0                                                                            | 900.0                 | 905.0                 | 895.0                 | 3.0              | 3.0           | 87.39                 | 80.5                                | 1,764.1      | 1,765.9                | 1,759.9                 | 6.01                      | 293.846            |          |
| 1,000.0                                                                          | 1,000.0               | 995.0                 | 995.0                 | 3.4              | 3.3           | 87.39                 | 80.5                                | 1,764.1      | 1,765.9                | 1,759.3                 | 6.69                      | 263.934            |          |
| 1,100.0                                                                          | 1,100.0               | 1,147.0               | 1,146.9               | 3.7              | 3.9           | 87.49                 | 77.3                                | 1,762.1      | 1,764.5                | 1,757.0                 | 7.56                      | 233.280            |          |
| 1,200.0                                                                          | 1,200.0               | 1,300.8               | 1,300.3               | 4.1              | 4.4           | 87.81                 | 67.2                                | 1,755.6      | 1,760.1                | 1,751.6                 | 8.43                      | 208.687            |          |
| 1,300.0                                                                          | 1,300.0               | 1,453.0               | 1,451.1               | 4.4              | 4.9           | 88.35                 | 50.4                                | 1,744.9      | 1,752.6                | 1,743.3                 | 9.32                      | 188.130            |          |
| 1,400.0                                                                          | 1,400.0               | 1,567.7               | 1,564.2               | 4.8              | 5.3           | 88.88                 | 33.9                                | 1,734.4      | 1,743.0                | 1,732.9                 | 10.09                     | 172.803            |          |
| 1,500.0                                                                          | 1,500.0               | 1,666.2               | 1,661.2               | 5.1              | 5.7           | 89.35                 | 19.4                                | 1,725.3      | 1,733.4                | 1,722.5                 | 10.81                     | 160.296            |          |
| 1,600.0                                                                          | 1,600.0               | 1,764.7               | 1,758.1               | 5.5              | 6.1           | 89.83                 | 5.0                                 | 1,716.1      | 1,723.8                | 1,712.3                 | 11.55                     | 149.261            |          |
| 1,700.0                                                                          | 1,700.0               | 1,863.2               | 1,855.1               | 5.9              | 6.5           | 90.32                 | -9.4                                | 1,706.9      | 1,714.4                | 1,702.1                 | 12.29                     | 139.472            |          |
| 1,800.0                                                                          | 1,800.0               | 1,961.7               | 1,952.1               | 6.2              | 6.9           | 90.80                 | -23.8                               | 1,697.7      | 1,705.1                | 1,692.1                 | 13.04                     | 130.745            |          |
| 1,900.0                                                                          | 1,900.0               | 2,060.1               | 2,049.1               | 6.6              | 7.3           | 91.30                 | -38.3                               | 1,688.5      | 1,696.0                | 1,682.2                 | 13.80                     | 122.926            |          |
| 2,000.0                                                                          | 2,000.0               | 2,158.6               | 2,146.1               | 6.9              | 7.7           | 91.80                 | -52.7                               | 1,679.4      | 1,687.0                | 1,672.4                 | 14.56                     | 115.887            |          |
| 2,100.0                                                                          | 2,100.0               | 2,257.1               | 2,243.1               | 7.3              | 8.2           | 92.30                 | -67.1                               | 1,670.2      | 1,678.1                | 1,662.8                 | 15.32                     | 109.524            |          |
| 2,200.0                                                                          | 2,200.0               | 2,355.6               | 2,340.1               | 7.7              | 8.6           | 92.81                 | -81.6                               | 1,661.0      | 1,669.3                | 1,653.2                 | 16.09                     | 103.749            |          |
| 2,300.0                                                                          | 2,300.0               | 2,454.1               | 2,437.0               | 8.0              | 9.0           | 93.33                 | -96.0                               | 1,651.8      | 1,660.7                | 1,643.8                 | 16.86                     | 98.488             |          |
| 2,400.0                                                                          | 2,400.0               | 2,552.5               | 2,534.0               | 8.4              | 9.4           | 93.85                 | -110.4                              | 1,642.7      | 1,652.2                | 1,634.6                 | 17.64                     | 93.677             |          |
| 2,500.0                                                                          | 2,500.0               | 2,651.0               | 2,631.0               | 8.7              | 9.9           | 94.37                 | -124.9                              | 1,633.5      | 1,643.9                | 1,625.5                 | 18.42                     | 89.265             |          |
| 2,600.0                                                                          | 2,600.0               | 2,749.5               | 2,728.0               | 9.1              | 10.3          | 94.90                 | -139.3                              | 1,624.3      | 1,635.7                | 1,616.5                 | 19.20                     | 85.206             |          |
| 2,700.0                                                                          | 2,700.0               | 2,848.0               | 2,825.0               | 9.4              | 10.7          | 95.44                 | -153.7                              | 1,615.1      | 1,627.6                | 1,607.6                 | 19.98                     | 81.461             |          |
| 2,800.0                                                                          | 2,800.0               | 2,946.5               | 2,922.0               | 9.8              | 11.2          | 95.98                 | -168.1                              | 1,605.9      | 1,619.7                | 1,598.9                 | 20.77                     | 77.996             |          |
| 2,900.0                                                                          | 2,900.0               | 3,045.0               | 3,018.9               | 10.2             | 11.6          | 96.52                 | -182.6                              | 1,596.8      | 1,611.9                | 1,590.4                 | 21.55                     | 74.784             |          |
| 3,000.0                                                                          | 3,000.0               | 3,143.4               | 3,115.9               | 10.5             | 12.0          | 97.07                 | -197.0                              | 1,587.6      | 1,604.3                | 1,582.0                 | 22.35                     | 71.798             |          |
| 3,100.0                                                                          | 3,100.0               | 3,241.9               | 3,212.9               | 10.9             | 12.5          | 97.63                 | -211.4                              | 1,578.4      | 1,596.9                | 1,573.7                 | 23.14                     | 69.016             |          |
| 3,200.0                                                                          | 3,200.0               | 3,340.4               | 3,309.9               | 11.2             | 12.9          | 98.19                 | -225.9                              | 1,569.2      | 1,589.6                | 1,565.6                 | 23.93                     | 66.421             |          |
| 3,300.0                                                                          | 3,300.0               | 3,438.9               | 3,406.9               | 11.6             | 13.4          | 98.76                 | -240.3                              | 1,560.1      | 1,582.4                | 1,557.7                 | 24.73                     | 63.993             |          |
| 3,400.0                                                                          | 3,400.0               | 3,537.4               | 3,503.9               | 12.0             | 13.8          | 99.33                 | -254.7                              | 1,550.9      | 1,575.4                | 1,549.9                 | 25.53                     | 61.719             |          |
| 3,500.0                                                                          | 3,500.0               | 3,635.8               | 3,600.9               | 12.3             | 14.2          | 99.90                 | -269.1                              | 1,541.7      | 1,568.6                | 1,542.3                 | 26.32                     | 59.586             |          |
| 3,600.0                                                                          | 3,600.0               | 3,734.3               | 3,697.8               | 12.7             | 14.7          | 100.48                | -283.6                              | 1,532.5      | 1,561.9                | 1,534.8                 | 27.13                     | 57.581             |          |
| 3,700.0                                                                          | 3,700.0               | 3,832.8               | 3,794.8               | 13.0             | 15.1          | 101.07                | -298.0                              | 1,523.3      | 1,555.4                | 1,527.5                 | 27.93                     | 55.694             |          |
| 3,800.0                                                                          | 3,800.0               | 3,931.3               | 3,891.8               | 13.4             | 15.6          | 101.66                | -312.4                              | 1,514.2      | 1,549.1                | 1,520.4                 | 28.73                     | 53.916             |          |
| 3,900.0                                                                          | 3,900.0               | 4,029.6               | 3,988.6               | 13.7             | 16.0          | 12.30                 | -326.8                              | 1,505.0      | 1,541.2                | 1,511.7                 | 29.53                     | 52.198             |          |
| 4,000.0                                                                          | 3,999.8               | 4,127.4               | 4,085.0               | 14.1             | 16.4          | 12.99                 | -341.2                              | 1,495.9      | 1,530.2                | 1,499.8                 | 30.31                     | 50.479             |          |
| 4,100.0                                                                          | 4,099.6               | 4,225.0               | 4,181.1               | 14.4             | 16.9          | 13.65                 | -355.5                              | 1,486.8      | 1,517.6                | 1,486.5                 | 31.10                     | 48.799             |          |
| 4,200.0                                                                          | 4,199.4               | 4,322.6               | 4,277.2               | 14.8             | 17.3          | 14.33                 | -369.8                              | 1,477.7      | 1,505.2                | 1,473.4                 | 31.89                     | 47.206             |          |
| 4,300.0                                                                          | 4,299.1               | 4,420.2               | 4,373.3               | 15.1             | 17.8          | 15.02                 | -384.1                              | 1,468.6      | 1,493.1                | 1,460.4                 | 32.68                     | 45.694             |          |
| 4,400.0                                                                          | 4,398.9               | 4,517.8               | 4,469.4               | 15.5             | 18.2          | 15.71                 | -398.4                              | 1,459.5      | 1,481.2                | 1,447.7                 | 33.47                     | 44.257             |          |
| 4,500.0                                                                          | 4,498.6               | 4,615.4               | 4,565.5               | 15.8             | 18.6          | 16.42                 | -412.7                              | 1,450.4      | 1,469.5                | 1,435.3                 | 34.26                     | 42.891             |          |
| 4,600.0                                                                          | 4,598.5               | 4,713.2               | 4,661.8               | 16.2             | 19.1          | 17.08                 | -427.0                              | 1,441.3      | 1,459.3                | 1,424.3                 | 35.06                     | 41.626             |          |
| 4,700.0                                                                          | 4,698.4               | 4,811.3               | 4,758.5               | 16.5             | 19.5          | 17.73                 | -441.4                              | 1,432.1      | 1,451.8                | 1,416.0                 | 35.86                     | 40.490             |          |
| 4,766.7                                                                          | 4,765.1               | 4,876.9               | 4,823.1               | 16.8             | 19.8          | 108.16                | -451.0                              | 1,426.0      | 1,448.3                | 1,411.9                 | 36.39                     | 39.795             |          |
| 4,800.0                                                                          | 4,798.4               | 4,909.7               | 4,855.4               | 16.9             | 20.0          | 108.38                | -455.8                              | 1,423.0      | 1,446.9                | 1,410.2                 | 36.67                     | 39.462             |          |
| 4,900.0                                                                          | 4,898.4               | 5,008.2               | 4,952.4               | 17.2             | 20.4          | 109.04                | -470.2                              | 1,413.8      | 1,442.7                | 1,405.2                 | 37.48                     | 38.494             |          |
| 5,000.0                                                                          | 4,998.4               | 5,106.7               | 5,049.4               | 17.6             | 20.9          | 109.70                | -484.7                              | 1,404.6      | 1,438.7                | 1,400.4                 | 38.29                     | 37.571             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #511H - Wellbore #1 - BLM Plan #1 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-MWMD                                                           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 5,100.0                                                                          | 5,098.4               | 5,205.2               | 5,146.4               | 17.9             | 21.3          | 110.37                | -499.1                              | 1,395.4      | 1,434.9                | 1,395.8                 | 39.11                     | 36.692             |          |
| 5,200.0                                                                          | 5,198.4               | 5,303.7               | 5,243.3               | 18.3             | 21.8          | 111.04                | -513.5                              | 1,386.3      | 1,431.3                | 1,391.4                 | 39.92                     | 35.853             |          |
| 5,300.0                                                                          | 5,298.4               | 5,402.1               | 5,340.3               | 18.7             | 22.2          | 111.71                | -527.9                              | 1,377.1      | 1,427.9                | 1,387.2                 | 40.74                     | 35.053             |          |
| 5,400.0                                                                          | 5,398.4               | 5,500.6               | 5,437.3               | 19.0             | 22.7          | 112.39                | -542.4                              | 1,367.9      | 1,424.8                | 1,383.2                 | 41.55                     | 34.288             |          |
| 5,500.0                                                                          | 5,498.4               | 5,600.9               | 5,534.3               | 19.4             | 23.1          | 113.07                | -556.8                              | 1,358.7      | 1,421.8                | 1,379.4                 | 42.38                     | 33.552             |          |
| 5,600.0                                                                          | 5,598.4               | 5,702.4               | 5,631.3               | 19.7             | 23.6          | 113.75                | -571.2                              | 1,349.6      | 1,419.0                | 1,375.8                 | 43.20                     | 32.844             |          |
| 5,700.0                                                                          | 5,698.4               | 5,803.9               | 5,728.3               | 20.1             | 24.0          | 114.43                | -585.7                              | 1,340.4      | 1,416.4                | 1,372.4                 | 44.03                     | 32.168             |          |
| 5,766.7                                                                          | 5,765.1               | 5,861.7               | 5,792.9               | 20.3             | 24.3          | 114.89                | -595.3                              | 1,334.3      | 1,414.8                | 1,370.3                 | 44.54                     | 31.766             |          |
| 5,800.0                                                                          | 5,798.4               | 5,905.4               | 5,825.3               | 20.4             | 24.5          | -63.23                | -600.1                              | 1,331.2      | 1,414.0                | 1,369.1                 | 44.86                     | 31.524             |          |
| 5,900.0                                                                          | 5,898.4               | 6,006.6               | 5,922.6               | 20.8             | 25.0          | -62.70                | -614.6                              | 1,322.0      | 1,410.5                | 1,364.9                 | 45.65                     | 30.900             |          |
| 6,000.0                                                                          | 5,998.1               | 6,107.4               | 6,020.3               | 21.1             | 25.4          | -62.32                | -629.1                              | 1,312.7      | 1,405.5                | 1,359.1                 | 46.44                     | 30.268             |          |
| 6,100.0                                                                          | 6,097.7               | 6,192.0               | 6,118.2               | 21.4             | 25.8          | -62.08                | -643.7                              | 1,303.5      | 1,399.0                | 1,351.9                 | 47.15                     | 29.672             |          |
| 6,200.0                                                                          | 6,196.8               | 6,308.4               | 6,216.2               | 21.8             | 26.3          | -62.00                | -658.3                              | 1,294.2      | 1,390.9                | 1,342.9                 | 48.01                     | 28.974             |          |
| 6,229.5                                                                          | 6,225.9               | 6,320.9               | 6,245.1               | 21.8             | 26.4          | -62.01                | -662.6                              | 1,291.5      | 1,388.2                | 1,340.1                 | 48.16                     | 28.825             |          |
| 6,300.0                                                                          | 6,295.5               | 6,408.9               | 6,314.2               | 22.1             | 26.8          | -61.91                | -672.8                              | 1,284.9      | 1,381.6                | 1,332.8                 | 48.79                     | 28.317             |          |
| 6,400.0                                                                          | 6,394.2               | 6,509.4               | 6,412.2               | 22.4             | 27.2          | -61.78                | -687.4                              | 1,275.6      | 1,372.2                | 1,322.7                 | 49.58                     | 27.677             |          |
| 6,500.0                                                                          | 6,492.9               | 6,590.1               | 6,510.2               | 22.7             | 27.6          | -61.65                | -702.0                              | 1,266.4      | 1,362.9                | 1,312.6                 | 50.28                     | 27.105             |          |
| 6,600.0                                                                          | 6,591.6               | 6,689.6               | 6,608.2               | 23.1             | 28.1          | -61.52                | -716.6                              | 1,257.1      | 1,353.5                | 1,302.4                 | 51.07                     | 26.502             |          |
| 6,700.0                                                                          | 6,690.3               | 6,789.1               | 6,706.2               | 23.4             | 28.5          | -61.38                | -731.2                              | 1,247.8      | 1,344.2                | 1,292.3                 | 51.86                     | 25.917             |          |
| 6,800.0                                                                          | 6,789.0               | 6,888.6               | 6,804.2               | 23.8             | 29.0          | -61.24                | -745.7                              | 1,238.6      | 1,334.8                | 1,282.1                 | 52.66                     | 25.347             |          |
| 6,900.0                                                                          | 6,887.7               | 6,988.1               | 6,902.2               | 24.1             | 29.4          | -61.10                | -760.3                              | 1,229.3      | 1,325.5                | 1,272.0                 | 53.46                     | 24.794             |          |
| 7,000.0                                                                          | 6,986.4               | 7,087.6               | 7,000.2               | 24.5             | 29.9          | -60.96                | -774.9                              | 1,220.0      | 1,316.1                | 1,261.9                 | 54.26                     | 24.256             |          |
| 7,100.0                                                                          | 7,085.1               | 7,187.1               | 7,098.2               | 24.8             | 30.3          | -60.82                | -789.5                              | 1,210.7      | 1,306.8                | 1,251.7                 | 55.07                     | 23.732             |          |
| 7,200.0                                                                          | 7,183.8               | 7,286.7               | 7,196.2               | 25.2             | 30.8          | -60.67                | -804.1                              | 1,201.5      | 1,297.5                | 1,241.6                 | 55.87                     | 23.223             |          |
| 7,300.0                                                                          | 7,282.5               | 7,386.2               | 7,294.2               | 25.6             | 31.2          | -60.52                | -818.6                              | 1,192.2      | 1,288.2                | 1,231.5                 | 56.68                     | 22.727             |          |
| 7,400.0                                                                          | 7,381.2               | 7,485.7               | 7,392.2               | 25.9             | 31.7          | -60.37                | -833.2                              | 1,182.9      | 1,278.9                | 1,221.4                 | 57.49                     | 22.245             |          |
| 7,500.0                                                                          | 7,479.8               | 7,585.2               | 7,490.2               | 26.3             | 32.1          | -60.22                | -847.8                              | 1,173.6      | 1,269.6                | 1,211.3                 | 58.31                     | 21.775             |          |
| 7,600.0                                                                          | 7,578.5               | 7,684.7               | 7,588.2               | 26.7             | 32.6          | -60.07                | -862.4                              | 1,164.4      | 1,260.3                | 1,201.2                 | 59.12                     | 21.318             |          |
| 7,700.0                                                                          | 7,677.2               | 7,784.2               | 7,686.2               | 27.0             | 33.0          | -59.91                | -877.0                              | 1,155.1      | 1,251.1                | 1,191.1                 | 59.94                     | 20.873             |          |
| 7,800.0                                                                          | 7,775.9               | 7,882.5               | 7,783.0               | 27.4             | 33.5          | -59.78                | -890.9                              | 1,146.2      | 1,241.8                | 1,181.1                 | 60.74                     | 20.443             |          |
| 7,900.0                                                                          | 7,874.6               | 7,980.1               | 7,879.6               | 27.8             | 33.9          | -59.75                | -902.9                              | 1,138.6      | 1,232.7                | 1,171.2                 | 61.53                     | 20.034             |          |
| 8,000.0                                                                          | 7,973.3               | 8,077.7               | 7,976.6               | 28.2             | 34.3          | -59.84                | -912.7                              | 1,132.4      | 1,223.8                | 1,161.5                 | 62.30                     | 19.645             |          |
| 8,100.0                                                                          | 8,072.0               | 8,175.2               | 8,073.6               | 28.6             | 34.7          | -60.05                | -920.4                              | 1,127.4      | 1,215.1                | 1,152.0                 | 63.04                     | 19.274             |          |
| 8,200.0                                                                          | 8,170.7               | 8,272.4               | 8,170.6               | 28.9             | 35.0          | -60.38                | -926.0                              | 1,123.9      | 1,206.5                | 1,142.8                 | 63.76                     | 18.922             |          |
| 8,300.0                                                                          | 8,269.4               | 8,369.3               | 8,267.4               | 29.3             | 35.3          | -60.83                | -929.6                              | 1,121.6      | 1,198.2                | 1,133.8                 | 64.46                     | 18.587             |          |
| 8,400.0                                                                          | 8,368.1               | 8,465.6               | 8,363.7               | 29.7             | 35.6          | -61.41                | -931.0                              | 1,120.7      | 1,190.2                | 1,125.1                 | 65.14                     | 18.273             |          |
| 8,500.0                                                                          | 8,466.8               | 8,563.7               | 8,461.8               | 30.1             | 35.9          | -62.08                | -931.1                              | 1,120.7      | 1,182.5                | 1,116.7                 | 65.78                     | 17.976             |          |
| 8,600.0                                                                          | 8,565.5               | 8,662.4               | 8,560.5               | 30.5             | 36.2          | -62.76                | -931.1                              | 1,120.7      | 1,175.0                | 1,108.6                 | 66.43                     | 17.688             |          |
| 8,700.0                                                                          | 8,664.2               | 8,761.1               | 8,659.2               | 30.9             | 36.5          | -63.46                | -931.1                              | 1,120.7      | 1,167.6                | 1,100.6                 | 67.08                     | 17.408             |          |
| 8,800.0                                                                          | 8,762.9               | 8,859.8               | 8,757.9               | 31.3             | 36.7          | -64.16                | -931.1                              | 1,120.7      | 1,160.5                | 1,092.7                 | 67.73                     | 17.134             |          |
| 8,900.0                                                                          | 8,861.6               | 8,958.5               | 8,856.6               | 31.7             | 37.0          | -64.87                | -931.1                              | 1,120.7      | 1,153.5                | 1,085.1                 | 68.38                     | 16.869             |          |
| 9,000.0                                                                          | 8,960.3               | 9,057.2               | 8,955.3               | 32.1             | 37.3          | -65.59                | -931.1                              | 1,120.7      | 1,146.7                | 1,077.6                 | 69.04                     | 16.610             |          |
| 9,100.0                                                                          | 9,059.0               | 9,155.9               | 9,054.0               | 32.5             | 37.6          | -66.32                | -931.1                              | 1,120.7      | 1,140.0                | 1,070.3                 | 69.69                     | 16.358             |          |
| 9,200.0                                                                          | 9,157.7               | 9,254.6               | 9,152.7               | 32.9             | 37.8          | -67.06                | -931.1                              | 1,120.7      | 1,133.6                | 1,063.3                 | 70.35                     | 16.114             |          |
| 9,300.0                                                                          | 9,256.4               | 9,353.3               | 9,251.4               | 33.3             | 38.1          | -67.80                | -931.1                              | 1,120.7      | 1,127.4                | 1,056.3                 | 71.01                     | 15.876             |          |
| 9,400.0                                                                          | 9,355.1               | 9,452.0               | 9,350.1               | 33.7             | 38.4          | -68.55                | -931.1                              | 1,120.7      | 1,121.3                | 1,049.6                 | 71.67                     | 15.645             |          |
| 9,500.0                                                                          | 9,453.8               | 9,550.7               | 9,448.8               | 34.1             | 38.7          | -69.31                | -931.1                              | 1,120.7      | 1,115.5                | 1,043.1                 | 72.34                     | 15.420             |          |
| 9,600.0                                                                          | 9,552.5               | 9,649.4               | 9,547.5               | 34.5             | 39.0          | -70.08                | -931.1                              | 1,120.7      | 1,109.8                | 1,036.8                 | 73.00                     | 15.202             |          |
| 9,700.0                                                                          | 9,651.2               | 9,748.1               | 9,646.2               | 34.9             | 39.3          | -70.86                | -931.1                              | 1,120.7      | 1,104.4                | 1,030.7                 | 73.67                     | 14.991             |          |
| 9,800.0                                                                          | 9,749.9               | 9,846.8               | 9,744.9               | 35.3             | 39.5          | -71.64                | -931.1                              | 1,120.7      | 1,099.1                | 1,024.8                 | 74.34                     | 14.786             |          |
| 9,900.0                                                                          | 9,848.6               | 9,941.7               | 9,839.7               | 35.7             | 39.8          | -72.39                | -931.2                              | 1,120.7      | 1,094.2                | 1,019.2                 | 75.00                     | 14.589             |          |
| 10,000.0                                                                         | 9,947.3               | 10,018.6              | 9,916.3               | 36.1             | 40.1          | -72.66                | -938.0                              | 1,119.8      | 1,090.7                | 1,015.0                 | 75.65                     | 14.417             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #511H - Wellbore #1 - BLM Plan #1 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 0-MWMD                                                           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   |                    | Warning  |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 10,100.0                                                                         | 10,046.0              | 10,095.7              | 9,991.4               | 36.5             | 40.5          | -72.38                | -955.0                              | 1,117.7      | 1,089.3                | 1,012.9                 | 76.36                     | 14.265            |                    |          |
| 10,114.0                                                                         | 10,059.8              | 10,106.3              | 10,001.6              | 36.5             | 40.5          | -72.31                | -958.1                              | 1,117.3      | 1,089.2                | 1,012.8                 | 76.46                     | 14.246 CC, ES     |                    |          |
| 10,200.0                                                                         | 10,144.7              | 10,170.1              | 10,061.1              | 36.9             | 40.9          | -71.62                | -980.7                              | 1,114.6      | 1,090.1                | 1,013.1                 | 77.08                     | 14.143            |                    |          |
| 10,300.0                                                                         | 10,243.4              | 10,239.7              | 10,122.7              | 37.3             | 41.3          | -70.47                | -1,012.7                            | 1,110.6      | 1,093.8                | 1,016.1                 | 77.73                     | 14.072            |                    |          |
| 10,400.0                                                                         | 10,342.1              | 10,300.0              | 10,172.7              | 37.7             | 41.7          | -69.15                | -1,046.2                            | 1,106.5      | 1,100.9                | 1,022.8                 | 78.18                     | 14.082            |                    |          |
| 10,500.0                                                                         | 10,440.8              | 10,359.8              | 10,218.4              | 38.1             | 42.1          | -67.57                | -1,084.5                            | 1,101.8      | 1,112.3                | 1,033.8                 | 78.49                     | 14.170            |                    |          |
| 10,600.0                                                                         | 10,539.5              | 10,409.9              | 10,253.4              | 38.5             | 42.5          | -66.07                | -1,119.9                            | 1,097.5      | 1,128.4                | 1,050.0                 | 78.45                     | 14.383            |                    |          |
| 10,700.0                                                                         | 10,638.2              | 10,450.0              | 10,279.2              | 39.0             | 42.9          | -64.75                | -1,150.5                            | 1,093.7      | 1,149.9                | 1,071.9                 | 77.99                     | 14.744            |                    |          |
| 10,800.0                                                                         | 10,736.9              | 10,500.0              | 10,308.1              | 39.4             | 43.3          | -63.00                | -1,190.9                            | 1,088.8      | 1,177.0                | 1,099.4                 | 77.52                     | 15.183            |                    |          |
| 10,900.0                                                                         | 10,835.6              | 10,525.6              | 10,321.5              | 39.8             | 43.5          | -62.07                | -1,212.6                            | 1,086.1      | 1,209.6                | 1,133.3                 | 76.29                     | 15.855            |                    |          |
| 11,000.0                                                                         | 10,934.3              | 10,550.0              | 10,333.4              | 40.2             | 43.7          | -61.15                | -1,233.7                            | 1,083.5      | 1,247.9                | 1,173.0                 | 74.84                     | 16.673            |                    |          |
| 11,100.0                                                                         | 11,033.0              | 10,580.7              | 10,347.0              | 40.6             | 44.0          | -59.97                | -1,261.1                            | 1,080.2      | 1,291.5                | 1,218.0                 | 73.42                     | 17.589            |                    |          |
| 11,200.0                                                                         | 11,131.7              | 10,600.0              | 10,354.8              | 41.0             | 44.2          | -59.21                | -1,278.5                            | 1,078.0      | 1,340.1                | 1,268.5                 | 71.64                     | 18.706            |                    |          |
| 11,300.0                                                                         | 11,230.4              | 10,623.6              | 10,363.6              | 41.4             | 44.4          | -58.28                | -1,300.3                            | 1,075.3      | 1,393.4                | 1,323.5                 | 69.93                     | 19.925            |                    |          |
| 11,400.0                                                                         | 11,329.1              | 10,650.0              | 10,372.2              | 41.9             | 44.6          | -57.23                | -1,325.1                            | 1,072.3      | 1,451.1                | 1,382.8                 | 68.29                     | 21.248            |                    |          |
| 11,500.0                                                                         | 11,427.8              | 10,650.0              | 10,372.2              | 42.3             | 44.6          | -57.23                | -1,325.1                            | 1,072.3      | 1,512.6                | 1,446.5                 | 66.08                     | 22.889            |                    |          |
| 11,535.3                                                                         | 11,462.6              | 10,650.0              | 10,372.2              | 42.4             | 44.6          | -57.23                | -1,325.1                            | 1,072.3      | 1,535.3                | 1,470.0                 | 65.32                     | 23.503            |                    |          |
| 11,600.0                                                                         | 11,526.5              | 10,671.9              | 10,378.6              | 42.7             | 44.8          | -57.06                | -1,345.8                            | 1,069.7      | 1,577.8                | 1,513.4                 | 64.46                     | 24.477            |                    |          |
| 11,700.0                                                                         | 11,625.7              | 10,684.0              | 10,381.7              | 43.1             | 45.0          | -57.77                | -1,357.5                            | 1,068.3      | 1,647.2                | 1,584.5                 | 62.73                     | 26.260            |                    |          |
| 11,800.0                                                                         | 11,725.1              | 10,700.0              | 10,385.5              | 43.5             | 45.1          | -58.44                | -1,372.9                            | 1,066.4      | 1,720.3                | 1,659.1                 | 61.20                     | 28.109            |                    |          |
| 11,900.0                                                                         | 11,824.8              | 10,700.0              | 10,385.5              | 43.9             | 45.1          | -59.97                | -1,372.9                            | 1,066.4      | 1,796.6                | 1,737.2                 | 59.49                     | 30.203            |                    |          |
| 12,000.0                                                                         | 11,924.7              | 10,700.0              | 10,385.5              | 44.2             | 45.1          | -61.67                | -1,372.9                            | 1,066.4      | 1,876.0                | 1,818.1                 | 57.93                     | 32.385            |                    |          |
| 12,100.0                                                                         | 12,024.6              | 10,700.0              | 10,385.5              | 44.6             | 45.1          | -63.58                | -1,372.9                            | 1,066.4      | 1,958.0                | 1,901.4                 | 56.53                     | 34.637            |                    |          |
| 12,152.4                                                                         | 12,077.0              | 10,718.8              | 10,389.4              | 44.7             | 45.3          | 114.59                | -1,391.1                            | 1,064.2      | 2,001.5                | 1,945.2                 | 56.22                     | 35.602            |                    |          |
| 12,200.0                                                                         | 12,124.6              | 10,721.5              | 10,389.9              | 44.9             | 45.3          | -62.63                | -1,393.7                            | 1,063.9      | 2,041.2                | 1,985.6                 | 55.67                     | 36.669            |                    |          |
| 12,250.0                                                                         | 12,174.2              | 10,725.2              | 10,390.6              | 45.1             | 45.3          | -66.30                | -1,397.4                            | 1,063.4      | 2,082.2                | 2,027.1                 | 55.10                     | 37.791            |                    |          |
| 12,300.0                                                                         | 12,223.0              | 10,729.7              | 10,391.4              | 45.3             | 45.4          | -50.79                | -1,401.8                            | 1,062.9      | 2,122.2                | 2,067.7                 | 54.54                     | 38.910            |                    |          |
| 12,350.0                                                                         | 12,270.7              | 10,750.0              | 10,394.5              | 45.6             | 45.6          | -45.66                | -1,421.7                            | 1,060.4      | 2,161.1                | 2,106.9                 | 54.26                     | 39.827            |                    |          |
| 12,400.0                                                                         | 12,317.0              | 10,750.0              | 10,394.5              | 45.8             | 45.6          | -41.86                | -1,421.7                            | 1,060.4      | 2,198.1                | 2,144.5                 | 53.63                     | 40.990            |                    |          |
| 12,450.0                                                                         | 12,361.4              | 10,750.0              | 10,394.5              | 46.1             | 45.6          | -38.64                | -1,421.7                            | 1,060.4      | 2,233.4                | 2,180.4                 | 53.00                     | 42.139            |                    |          |
| 12,500.0                                                                         | 12,403.7              | 10,750.0              | 10,394.5              | 46.4             | 45.6          | -35.92                | -1,421.7                            | 1,060.4      | 2,266.8                | 2,214.4                 | 52.39                     | 43.267            |                    |          |
| 12,550.0                                                                         | 12,443.5              | 10,750.0              | 10,394.5              | 46.7             | 45.6          | -33.62                | -1,421.7                            | 1,060.4      | 2,298.2                | 2,246.4                 | 51.80                     | 44.362            |                    |          |
| 12,600.0                                                                         | 12,480.5              | 10,770.5              | 10,397.0              | 47.1             | 45.8          | -31.46                | -1,441.8                            | 1,058.0      | 2,326.9                | 2,275.4                 | 51.55                     | 45.136            |                    |          |
| 12,650.0                                                                         | 12,514.4              | 10,779.0              | 10,397.8              | 47.4             | 45.9          | -29.79                | -1,450.2                            | 1,056.9      | 2,353.3                | 2,302.2                 | 51.14                     | 46.020            |                    |          |
| 12,700.0                                                                         | 12,545.0              | 10,800.0              | 10,399.2              | 47.8             | 46.1          | -28.30                | -1,471.1                            | 1,054.4      | 2,377.2                | 2,326.3                 | 50.92                     | 46.685            |                    |          |
| 12,750.0                                                                         | 12,572.0              | 10,800.0              | 10,399.2              | 48.1             | 46.1          | -27.23                | -1,471.1                            | 1,054.4      | 2,398.1                | 2,347.7                 | 50.44                     | 47.543            |                    |          |
| 12,800.0                                                                         | 12,595.3              | 10,800.0              | 10,399.2              | 48.5             | 46.1          | -26.35                | -1,471.1                            | 1,054.4      | 2,416.3                | 2,366.3                 | 50.01                     | 48.318            |                    |          |
| 12,850.0                                                                         | 12,614.6              | 10,816.0              | 10,399.8              | 48.9             | 46.2          | -25.57                | -1,486.9                            | 1,052.4      | 2,431.5                | 2,381.7                 | 49.82                     | 48.807            |                    |          |
| 12,900.0                                                                         | 12,629.8              | 10,828.9              | 10,400.0              | 49.3             | 46.3          | -24.98                | -1,499.8                            | 1,050.8      | 2,443.7                | 2,394.1                 | 49.63                     | 49.239            |                    |          |
| 12,950.0                                                                         | 12,640.8              | 10,853.6              | 10,400.0              | 49.7             | 46.6          | -24.52                | -1,524.3                            | 1,047.9      | 2,452.7                | 2,403.1                 | 49.62                     | 49.433            |                    |          |
| 13,000.0                                                                         | 12,647.6              | 10,890.3              | 10,400.0              | 50.1             | 46.9          | -24.22                | -1,560.7                            | 1,044.0      | 2,458.0                | 2,408.3                 | 49.78                     | 49.379            |                    |          |
| 13,052.4                                                                         | 12,650.0              | 10,929.0              | 10,400.0              | 50.5             | 47.3          | -24.11                | -1,599.3                            | 1,040.4      | 2,459.7                | 2,409.7                 | 50.01                     | 49.181            |                    |          |
| 13,100.0                                                                         | 12,650.0              | 10,964.2              | 10,400.0              | 50.9             | 47.7          | -24.09                | -1,634.4                            | 1,037.5      | 2,459.3                | 2,409.0                 | 50.25                     | 48.939            |                    |          |
| 13,200.0                                                                         | 12,650.0              | 11,038.3              | 10,400.0              | 51.8             | 48.4          | -24.03                | -1,708.3                            | 1,032.9      | 2,458.2                | 2,407.4                 | 50.76                     | 48.423            |                    |          |
| 13,267.5                                                                         | 12,650.0              | 11,088.3              | 10,400.0              | 52.4             | 48.9          | -23.97                | -1,758.3                            | 1,030.9      | 2,457.2                | 2,406.1                 | 51.11                     | 48.073            |                    |          |
| 13,300.0                                                                         | 12,650.0              | 11,112.3              | 10,400.0              | 52.7             | 49.2          | -23.96                | -1,782.3                            | 1,030.3      | 2,456.8                | 2,405.5                 | 51.29                     | 47.901            |                    |          |
| 13,400.0                                                                         | 12,650.0              | 11,186.5              | 10,400.0              | 53.6             | 50.0          | -23.93                | -1,856.5                            | 1,029.5      | 2,456.1                | 2,404.2                 | 51.89                     | 47.336            |                    |          |
| 13,448.4                                                                         | 12,650.0              | 11,231.9              | 10,400.0              | 54.1             | 50.4          | -23.93                | -1,901.8                            | 1,029.7      | 2,456.1                | 2,403.8                 | 52.34                     | 46.927            |                    |          |
| 13,500.0                                                                         | 12,650.0              | 11,283.5              | 10,400.0              | 54.6             | 51.0          | -23.93                | -1,953.5                            | 1,030.0      | 2,456.1                | 2,403.2                 | 52.87                     | 46.457            |                    |          |
| 13,600.0                                                                         | 12,650.0              | 11,383.5              | 10,400.0              | 55.6             | 52.1          | -23.93                | -2,053.5                            | 1,030.6      | 2,456.1                | 2,402.1                 | 53.94                     | 45.532            |                    |          |
| 13,700.0                                                                         | 12,650.0              | 11,483.5              | 10,400.0              | 56.6             | 53.2          | -23.93                | -2,153.4                            | 1,031.2      | 2,456.1                | 2,401.0                 | 55.06                     | 44.603            |                    |          |
| 13,800.0                                                                         | 12,650.0              | 11,583.5              | 10,400.0              | 57.6             | 54.3          | -23.93                | -2,253.4                            | 1,031.8      | 2,456.0                | 2,399.8                 | 56.23                     | 43.676            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #511H - Wellbore #1 - BLM Plan #1 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-MWMD                                                           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 13,900.0                                                                         | 12,650.0              | 11,683.5              | 10,400.0              | 58.7             | 55.5          | -23.92                | -2,353.4                            | 1,032.3      | 2,456.0                | 2,398.6                 | 57.45                     | 42.753             |          |
| 14,000.0                                                                         | 12,650.0              | 11,783.5              | 10,400.0              | 59.8             | 56.7          | -23.92                | -2,453.4                            | 1,032.9      | 2,456.0                | 2,397.3                 | 58.70                     | 41.840             |          |
| 14,100.0                                                                         | 12,650.0              | 11,883.5              | 10,400.0              | 61.0             | 57.9          | -23.92                | -2,553.4                            | 1,033.5      | 2,456.0                | 2,396.0                 | 59.99                     | 40.939             |          |
| 14,200.0                                                                         | 12,650.0              | 11,983.5              | 10,400.0              | 62.1             | 59.2          | -23.92                | -2,653.4                            | 1,034.0      | 2,456.0                | 2,394.6                 | 61.32                     | 40.052             |          |
| 14,300.0                                                                         | 12,650.0              | 12,083.5              | 10,400.0              | 63.3             | 60.4          | -23.92                | -2,753.4                            | 1,034.6      | 2,456.0                | 2,393.3                 | 62.68                     | 39.183             |          |
| 14,400.0                                                                         | 12,650.0              | 12,183.5              | 10,400.0              | 64.5             | 61.7          | -23.92                | -2,853.4                            | 1,035.2      | 2,455.9                | 2,391.9                 | 64.07                     | 38.331             |          |
| 14,500.0                                                                         | 12,650.0              | 12,283.5              | 10,400.0              | 65.7             | 63.0          | -23.92                | -2,953.4                            | 1,035.8      | 2,455.9                | 2,390.4                 | 65.49                     | 37.499             |          |
| 14,600.0                                                                         | 12,650.0              | 12,383.5              | 10,400.0              | 67.0             | 64.3          | -23.92                | -3,053.4                            | 1,036.3      | 2,455.9                | 2,389.0                 | 66.94                     | 36.688             |          |
| 14,700.0                                                                         | 12,650.0              | 12,483.5              | 10,400.0              | 68.2             | 65.6          | -23.92                | -3,153.4                            | 1,036.9      | 2,455.9                | 2,387.5                 | 68.41                     | 35.897             |          |
| 14,800.0                                                                         | 12,650.0              | 12,583.5              | 10,400.0              | 69.5             | 67.0          | -23.92                | -3,253.4                            | 1,037.5      | 2,455.9                | 2,385.9                 | 69.91                     | 35.127             |          |
| 14,900.0                                                                         | 12,650.0              | 12,683.5              | 10,400.0              | 70.8             | 68.3          | -23.92                | -3,353.4                            | 1,038.0      | 2,455.8                | 2,384.4                 | 71.43                     | 34.380             |          |
| 15,000.0                                                                         | 12,650.0              | 12,783.5              | 10,400.0              | 72.1             | 69.7          | -23.91                | -3,453.4                            | 1,038.6      | 2,455.8                | 2,382.9                 | 72.97                     | 33.653             |          |
| 15,100.0                                                                         | 12,650.0              | 12,883.5              | 10,400.0              | 73.4             | 71.1          | -23.91                | -3,553.4                            | 1,039.2      | 2,455.8                | 2,381.3                 | 74.54                     | 32.948             |          |
| 15,200.0                                                                         | 12,650.0              | 12,983.5              | 10,400.0              | 74.8             | 72.5          | -23.91                | -3,653.4                            | 1,039.8      | 2,455.8                | 2,379.7                 | 76.12                     | 32.264             |          |
| 15,300.0                                                                         | 12,650.0              | 13,083.5              | 10,400.0              | 76.1             | 73.9          | -23.91                | -3,753.4                            | 1,040.3      | 2,455.8                | 2,378.1                 | 77.71                     | 31.601             |          |
| 15,400.0                                                                         | 12,650.0              | 13,183.5              | 10,400.0              | 77.5             | 75.3          | -23.91                | -3,853.4                            | 1,040.9      | 2,455.8                | 2,376.4                 | 79.33                     | 30.958             |          |
| 15,500.0                                                                         | 12,650.0              | 13,283.5              | 10,400.0              | 78.8             | 76.7          | -23.91                | -3,953.4                            | 1,041.5      | 2,455.7                | 2,374.8                 | 80.95                     | 30.335             |          |
| 15,600.0                                                                         | 12,650.0              | 13,383.5              | 10,400.0              | 80.2             | 78.2          | -23.91                | -4,053.4                            | 1,042.0      | 2,455.7                | 2,373.1                 | 82.60                     | 29.731             |          |
| 15,700.0                                                                         | 12,650.0              | 13,483.5              | 10,400.0              | 81.6             | 79.6          | -23.91                | -4,153.4                            | 1,042.6      | 2,455.7                | 2,371.4                 | 84.25                     | 29.146             |          |
| 15,800.0                                                                         | 12,650.0              | 13,583.5              | 10,400.0              | 83.0             | 81.0          | -23.91                | -4,253.4                            | 1,043.2      | 2,455.7                | 2,369.8                 | 85.92                     | 28.580             |          |
| 15,900.0                                                                         | 12,650.0              | 13,683.5              | 10,400.0              | 84.4             | 82.5          | -23.91                | -4,353.4                            | 1,043.8      | 2,455.7                | 2,368.1                 | 87.61                     | 28.031             |          |
| 16,000.0                                                                         | 12,650.0              | 13,783.5              | 10,400.0              | 85.9             | 84.0          | -23.90                | -4,453.4                            | 1,044.3      | 2,455.6                | 2,366.3                 | 89.30                     | 27.499             |          |
| 16,100.0                                                                         | 12,650.0              | 13,883.5              | 10,400.0              | 87.3             | 85.4          | -23.90                | -4,553.4                            | 1,044.9      | 2,455.6                | 2,364.6                 | 91.00                     | 26.984             |          |
| 16,200.0                                                                         | 12,650.0              | 13,983.5              | 10,400.0              | 88.7             | 86.9          | -23.90                | -4,653.4                            | 1,045.5      | 2,455.6                | 2,362.9                 | 92.72                     | 26.485             |          |
| 16,300.0                                                                         | 12,650.0              | 14,083.5              | 10,400.0              | 90.2             | 88.4          | -23.90                | -4,753.4                            | 1,046.0      | 2,455.6                | 2,361.2                 | 94.44                     | 26.001             |          |
| 16,400.0                                                                         | 12,650.0              | 14,183.5              | 10,400.0              | 91.6             | 89.9          | -23.90                | -4,853.4                            | 1,046.6      | 2,455.6                | 2,359.4                 | 96.17                     | 25.533             |          |
| 16,500.0                                                                         | 12,650.0              | 14,283.5              | 10,400.0              | 93.1             | 91.4          | -23.90                | -4,953.4                            | 1,047.2      | 2,455.6                | 2,357.6                 | 97.92                     | 25.078             |          |
| 16,600.0                                                                         | 12,650.0              | 14,383.5              | 10,400.0              | 94.5             | 92.9          | -23.90                | -5,053.4                            | 1,047.8      | 2,455.5                | 2,355.9                 | 99.67                     | 24.638             |          |
| 16,700.0                                                                         | 12,650.0              | 14,483.5              | 10,400.0              | 96.0             | 94.4          | -23.90                | -5,153.4                            | 1,048.3      | 2,455.5                | 2,354.1                 | 101.42                    | 24.211             |          |
| 16,800.0                                                                         | 12,650.0              | 14,583.5              | 10,400.0              | 97.5             | 95.9          | -23.90                | -5,253.4                            | 1,048.9      | 2,455.5                | 2,352.3                 | 103.19                    | 23.796             |          |
| 16,900.0                                                                         | 12,650.0              | 14,683.5              | 10,400.0              | 99.0             | 97.4          | -23.90                | -5,353.4                            | 1,049.5      | 2,455.5                | 2,350.5                 | 104.96                    | 23.394             |          |
| 17,000.0                                                                         | 12,650.0              | 14,783.5              | 10,400.0              | 100.5            | 99.0          | -23.90                | -5,453.4                            | 1,050.0      | 2,455.5                | 2,348.7                 | 106.74                    | 23.004             |          |
| 17,100.0                                                                         | 12,650.0              | 14,883.5              | 10,400.0              | 101.9            | 100.5         | -23.89                | -5,553.4                            | 1,050.6      | 2,455.4                | 2,346.9                 | 108.52                    | 22.626             |          |
| 17,200.0                                                                         | 12,650.0              | 14,983.5              | 10,400.0              | 103.4            | 102.0         | -23.89                | -5,653.4                            | 1,051.2      | 2,455.4                | 2,345.1                 | 110.31                    | 22.258             |          |
| 17,300.0                                                                         | 12,650.0              | 15,083.5              | 10,400.0              | 104.9            | 103.5         | -23.89                | -5,753.4                            | 1,051.8      | 2,455.4                | 2,343.3                 | 112.11                    | 21.902             |          |
| 17,400.0                                                                         | 12,650.0              | 15,183.5              | 10,400.0              | 106.5            | 105.1         | -23.89                | -5,853.4                            | 1,052.3      | 2,455.4                | 2,341.5                 | 113.91                    | 21.555             |          |
| 17,500.0                                                                         | 12,650.0              | 15,283.5              | 10,400.0              | 108.0            | 106.6         | -23.89                | -5,953.4                            | 1,052.9      | 2,455.4                | 2,339.7                 | 115.72                    | 21.218             |          |
| 17,600.0                                                                         | 12,650.0              | 15,383.5              | 10,400.0              | 109.5            | 108.2         | -23.89                | -6,053.4                            | 1,053.5      | 2,455.4                | 2,337.8                 | 117.53                    | 20.891             |          |
| 17,700.0                                                                         | 12,650.0              | 15,483.5              | 10,400.0              | 111.0            | 109.7         | -23.89                | -6,153.4                            | 1,054.0      | 2,455.3                | 2,336.0                 | 119.35                    | 20.573             |          |
| 17,800.0                                                                         | 12,650.0              | 15,583.5              | 10,400.0              | 112.5            | 111.3         | -23.89                | -6,253.4                            | 1,054.6      | 2,455.3                | 2,334.2                 | 121.17                    | 20.263             |          |
| 17,900.0                                                                         | 12,650.0              | 15,683.5              | 10,400.0              | 114.1            | 112.8         | -23.89                | -6,353.4                            | 1,055.2      | 2,455.3                | 2,332.3                 | 123.00                    | 19.962             |          |
| 18,000.0                                                                         | 12,650.0              | 15,783.5              | 10,400.0              | 115.6            | 114.4         | -23.89                | -6,453.4                            | 1,055.8      | 2,455.3                | 2,330.5                 | 124.83                    | 19.670             |          |
| 18,100.0                                                                         | 12,650.0              | 15,883.5              | 10,400.0              | 117.1            | 115.9         | -23.89                | -6,553.4                            | 1,056.3      | 2,455.3                | 2,328.6                 | 126.66                    | 19.385             |          |
| 18,200.0                                                                         | 12,650.0              | 15,983.5              | 10,400.0              | 118.7            | 117.5         | -23.88                | -6,653.4                            | 1,056.9      | 2,455.3                | 2,326.8                 | 128.50                    | 19.107             |          |
| 18,300.0                                                                         | 12,650.0              | 16,083.5              | 10,400.0              | 120.2            | 119.1         | -23.88                | -6,753.4                            | 1,057.5      | 2,455.2                | 2,324.9                 | 130.34                    | 18.837             |          |
| 18,400.0                                                                         | 12,650.0              | 16,183.5              | 10,400.0              | 121.8            | 120.6         | -23.88                | -6,853.4                            | 1,058.1      | 2,455.2                | 2,323.0                 | 132.18                    | 18.574             |          |
| 18,500.0                                                                         | 12,650.0              | 16,283.5              | 10,400.0              | 123.3            | 122.2         | -23.88                | -6,953.4                            | 1,058.6      | 2,455.2                | 2,321.2                 | 134.03                    | 18.318             |          |
| 18,600.0                                                                         | 12,650.0              | 16,383.5              | 10,400.0              | 124.9            | 123.8         | -23.88                | -7,053.4                            | 1,059.2      | 2,455.2                | 2,319.3                 | 135.88                    | 18.068             |          |
| 18,700.0                                                                         | 12,650.0              | 16,483.5              | 10,400.0              | 126.4            | 125.4         | -23.88                | -7,153.4                            | 1,059.8      | 2,455.2                | 2,317.4                 | 137.74                    | 17.825             |          |
| 18,800.0                                                                         | 12,650.0              | 16,583.5              | 10,400.0              | 128.0            | 126.9         | -23.88                | -7,253.4                            | 1,060.3      | 2,455.1                | 2,315.5                 | 139.60                    | 17.587             |          |
| 18,900.0                                                                         | 12,650.0              | 16,683.5              | 10,400.0              | 129.5            | 128.5         | -23.88                | -7,353.4                            | 1,060.9      | 2,455.1                | 2,313.7                 | 141.46                    | 17.356             |          |
| 19,000.0                                                                         | 12,650.0              | 16,783.5              | 10,400.0              | 131.1            | 130.1         | -23.88                | -7,453.4                            | 1,061.5      | 2,455.1                | 2,311.8                 | 143.32                    | 17.130             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #511H - Wellbore #1 - BLM Plan #1 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-MWD                                                            |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 19,100.0                                                                         | 12,650.0              | 16,883.5              | 10,400.0              | 132.6            | 131.7         | -23.88                | -7,553.4                            | 1,062.1      | 2,455.1                | 2,309.9                 | 145.18                    | 16.910             |          |
| 19,200.0                                                                         | 12,650.0              | 16,983.5              | 10,400.0              | 134.2            | 133.3         | -23.87                | -7,653.4                            | 1,062.6      | 2,455.1                | 2,308.0                 | 147.05                    | 16.695             |          |
| 19,300.0                                                                         | 12,650.0              | 17,083.5              | 10,400.0              | 135.8            | 134.9         | -23.87                | -7,753.4                            | 1,063.2      | 2,455.1                | 2,306.1                 | 148.92                    | 16.485             |          |
| 19,400.0                                                                         | 12,650.0              | 17,183.5              | 10,400.0              | 137.3            | 136.4         | -23.87                | -7,853.4                            | 1,063.8      | 2,455.0                | 2,304.2                 | 150.80                    | 16.281             |          |
| 19,500.0                                                                         | 12,650.0              | 17,283.5              | 10,400.0              | 138.9            | 138.0         | -23.87                | -7,953.4                            | 1,064.3      | 2,455.0                | 2,302.3                 | 152.67                    | 16.081             |          |
| 19,600.0                                                                         | 12,650.0              | 17,383.5              | 10,400.0              | 140.5            | 139.6         | -23.87                | -8,053.4                            | 1,064.9      | 2,455.0                | 2,300.5                 | 154.55                    | 15.885             |          |
| 19,700.0                                                                         | 12,650.0              | 17,483.5              | 10,400.0              | 142.1            | 141.2         | -23.87                | -8,153.4                            | 1,065.5      | 2,455.0                | 2,298.6                 | 156.43                    | 15.694             |          |
| 19,800.0                                                                         | 12,650.0              | 17,583.5              | 10,400.0              | 143.6            | 142.8         | -23.87                | -8,253.3                            | 1,066.1      | 2,455.0                | 2,296.7                 | 158.31                    | 15.508             |          |
| 19,900.0                                                                         | 12,650.0              | 17,683.5              | 10,400.0              | 145.2            | 144.4         | -23.87                | -8,353.3                            | 1,066.6      | 2,454.9                | 2,294.8                 | 160.19                    | 15.325             |          |
| 20,000.0                                                                         | 12,650.0              | 17,783.5              | 10,400.0              | 146.8            | 146.0         | -23.87                | -8,453.3                            | 1,067.2      | 2,454.9                | 2,292.9                 | 162.08                    | 15.147             |          |
| 20,100.0                                                                         | 12,650.0              | 17,883.5              | 10,400.0              | 148.4            | 147.6         | -23.87                | -8,553.3                            | 1,067.8      | 2,454.9                | 2,290.9                 | 163.96                    | 14.972             |          |
| 20,200.0                                                                         | 12,650.0              | 17,983.5              | 10,400.0              | 150.0            | 149.2         | -23.87                | -8,653.3                            | 1,068.3      | 2,454.9                | 2,289.0                 | 165.85                    | 14.802             |          |
| 20,300.0                                                                         | 12,650.0              | 18,083.5              | 10,400.0              | 151.6            | 150.8         | -23.86                | -8,753.3                            | 1,068.9      | 2,454.9                | 2,287.1                 | 167.74                    | 14.635             |          |
| 20,400.0                                                                         | 12,650.0              | 18,183.5              | 10,400.0              | 153.2            | 152.4         | -23.86                | -8,853.3                            | 1,069.5      | 2,454.9                | 2,285.2                 | 169.63                    | 14.472             |          |
| 20,500.0                                                                         | 12,650.0              | 18,283.5              | 10,400.0              | 154.7            | 154.0         | -23.86                | -8,953.3                            | 1,070.1      | 2,454.8                | 2,283.3                 | 171.53                    | 14.312             |          |
| 20,600.0                                                                         | 12,650.0              | 18,383.5              | 10,400.0              | 156.3            | 155.6         | -23.86                | -9,053.3                            | 1,070.6      | 2,454.8                | 2,281.4                 | 173.42                    | 14.155             |          |
| 20,700.0                                                                         | 12,650.0              | 18,483.5              | 10,400.0              | 157.9            | 157.2         | -23.86                | -9,153.3                            | 1,071.2      | 2,454.8                | 2,279.5                 | 175.32                    | 14.002             |          |
| 20,800.0                                                                         | 12,650.0              | 18,583.5              | 10,400.0              | 159.5            | 158.8         | -23.86                | -9,253.3                            | 1,071.8      | 2,454.8                | 2,277.6                 | 177.21                    | 13.852             |          |
| 20,900.0                                                                         | 12,650.0              | 18,683.5              | 10,400.0              | 161.1            | 160.4         | -23.86                | -9,353.3                            | 1,072.3      | 2,454.8                | 2,275.7                 | 179.11                    | 13.705             |          |
| 21,000.0                                                                         | 12,650.0              | 18,783.5              | 10,400.0              | 162.7            | 162.0         | -23.86                | -9,453.3                            | 1,072.9      | 2,454.8                | 2,273.7                 | 181.01                    | 13.561             |          |
| 21,100.0                                                                         | 12,650.0              | 18,883.5              | 10,400.0              | 164.3            | 163.7         | -23.86                | -9,553.3                            | 1,073.5      | 2,454.7                | 2,271.8                 | 182.91                    | 13.420             |          |
| 21,200.0                                                                         | 12,650.0              | 18,983.5              | 10,400.0              | 165.9            | 165.3         | -23.86                | -9,653.3                            | 1,074.1      | 2,454.7                | 2,269.9                 | 184.82                    | 13.282             |          |
| 21,300.0                                                                         | 12,650.0              | 19,083.5              | 10,400.0              | 167.5            | 166.9         | -23.85                | -9,753.3                            | 1,074.6      | 2,454.7                | 2,268.0                 | 186.72                    | 13.146             |          |
| 21,400.0                                                                         | 12,650.0              | 19,183.5              | 10,400.0              | 169.1            | 168.5         | -23.85                | -9,853.3                            | 1,075.2      | 2,454.7                | 2,266.1                 | 188.63                    | 13.013             |          |
| 21,500.0                                                                         | 12,650.0              | 19,283.5              | 10,400.0              | 170.7            | 170.1         | -23.85                | -9,953.3                            | 1,075.8      | 2,454.7                | 2,264.1                 | 190.53                    | 12.883             |          |
| 21,600.0                                                                         | 12,650.0              | 19,383.5              | 10,400.0              | 172.3            | 171.7         | -23.85                | -10,053.3                           | 1,076.3      | 2,454.6                | 2,262.2                 | 192.44                    | 12.755             |          |
| 21,700.0                                                                         | 12,650.0              | 19,483.5              | 10,400.0              | 173.9            | 173.3         | -23.85                | -10,153.3                           | 1,076.9      | 2,454.6                | 2,260.3                 | 194.35                    | 12.630             |          |
| 21,800.0                                                                         | 12,650.0              | 19,583.5              | 10,400.0              | 175.5            | 175.0         | -23.85                | -10,253.3                           | 1,077.5      | 2,454.6                | 2,258.4                 | 196.26                    | 12.507             |          |
| 21,900.0                                                                         | 12,650.0              | 19,683.5              | 10,400.0              | 177.1            | 176.6         | -23.85                | -10,353.3                           | 1,078.1      | 2,454.6                | 2,256.4                 | 198.17                    | 12.386             |          |
| 22,000.0                                                                         | 12,650.0              | 19,783.5              | 10,400.0              | 178.7            | 178.2         | -23.85                | -10,453.3                           | 1,078.6      | 2,454.6                | 2,254.5                 | 200.08                    | 12.268             |          |
| 22,100.0                                                                         | 12,650.0              | 19,883.5              | 10,400.0              | 180.3            | 179.8         | -23.85                | -10,553.3                           | 1,079.2      | 2,454.6                | 2,252.6                 | 201.99                    | 12.152             |          |
| 22,200.0                                                                         | 12,650.0              | 19,983.5              | 10,400.0              | 182.0            | 181.4         | -23.85                | -10,653.3                           | 1,079.8      | 2,454.5                | 2,250.6                 | 203.90                    | 12.038             |          |
| 22,300.0                                                                         | 12,650.0              | 20,083.5              | 10,400.0              | 183.6            | 183.0         | -23.85                | -10,753.3                           | 1,080.3      | 2,454.5                | 2,248.7                 | 205.82                    | 11.926             |          |
| 22,400.0                                                                         | 12,650.0              | 20,183.5              | 10,400.0              | 185.2            | 184.7         | -23.84                | -10,853.3                           | 1,080.9      | 2,454.5                | 2,246.8                 | 207.73                    | 11.816             |          |
| 22,500.0                                                                         | 12,650.0              | 20,283.5              | 10,400.0              | 186.8            | 186.3         | -23.84                | -10,953.3                           | 1,081.5      | 2,454.5                | 2,244.8                 | 209.65                    | 11.708             |          |
| 22,600.0                                                                         | 12,650.0              | 20,383.5              | 10,400.0              | 188.4            | 187.9         | -23.84                | -11,053.3                           | 1,082.1      | 2,454.5                | 2,242.9                 | 211.56                    | 11.601             |          |
| 22,700.0                                                                         | 12,650.0              | 20,483.5              | 10,400.0              | 190.0            | 189.5         | -23.84                | -11,153.3                           | 1,082.6      | 2,454.4                | 2,241.0                 | 213.48                    | 11.497             |          |
| 22,800.0                                                                         | 12,650.0              | 20,583.5              | 10,400.0              | 191.6            | 191.2         | -23.84                | -11,253.3                           | 1,083.2      | 2,454.4                | 2,239.0                 | 215.40                    | 11.395             |          |
| 22,884.1                                                                         | 12,650.0              | 20,667.6              | 10,400.0              | 193.0            | 192.5         | -23.84                | -11,337.4                           | 1,083.7      | 2,454.4                | 2,237.4                 | 217.01                    | 11.310 SF          |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #511H - Wellbore #1 - BLM Plan #2 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-MWMD                                                           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 0.0                                                                              | 0.0                   | 5.0                   | -5.0                  | 0.0              | 0.0           | 87.39                 | 80.5                                | 1,764.1      | 1,765.9                |                         |                           |                    |          |
| 100.0                                                                            | 100.0                 | 105.0                 | 95.0                  | 0.1              | 0.1           | 87.39                 | 80.5                                | 1,764.1      | 1,765.9                | 1,765.7                 | 0.27                      | 6,439.635          |          |
| 200.0                                                                            | 200.0                 | 205.0                 | 195.0                 | 0.5              | 0.5           | 87.39                 | 80.5                                | 1,764.1      | 1,765.9                | 1,765.0                 | 0.99                      | 1,781.673          |          |
| 300.0                                                                            | 300.0                 | 305.0                 | 295.0                 | 0.8              | 0.9           | 87.39                 | 80.5                                | 1,764.1      | 1,765.9                | 1,764.2                 | 1.71                      | 1,033.856          |          |
| 400.0                                                                            | 400.0                 | 405.0                 | 395.0                 | 1.2              | 1.2           | 87.39                 | 80.5                                | 1,764.1      | 1,765.9                | 1,763.5                 | 2.43                      | 728.208            |          |
| 500.0                                                                            | 500.0                 | 505.0                 | 495.0                 | 1.6              | 1.6           | 87.39                 | 80.5                                | 1,764.1      | 1,765.9                | 1,762.8                 | 3.14                      | 562.045            |          |
| 600.0                                                                            | 600.0                 | 605.0                 | 595.0                 | 1.9              | 1.9           | 87.39                 | 80.5                                | 1,764.1      | 1,765.9                | 1,762.1                 | 3.86                      | 457.624            |          |
| 700.0                                                                            | 700.0                 | 705.0                 | 695.0                 | 2.3              | 2.3           | 87.39                 | 80.5                                | 1,764.1      | 1,765.9                | 1,761.4                 | 4.58                      | 385.925            |          |
| 800.0                                                                            | 800.0                 | 805.0                 | 795.0                 | 2.6              | 2.7           | 87.39                 | 80.5                                | 1,764.1      | 1,765.9                | 1,760.7                 | 5.29                      | 333.649            |          |
| 900.0                                                                            | 900.0                 | 905.0                 | 895.0                 | 3.0              | 3.0           | 87.39                 | 80.5                                | 1,764.1      | 1,765.9                | 1,759.9                 | 6.01                      | 293.846            |          |
| 1,000.0                                                                          | 1,000.0               | 1,005.0               | 995.0                 | 3.4              | 3.4           | 87.39                 | 80.5                                | 1,764.1      | 1,765.9                | 1,759.2                 | 6.73                      | 262.527            |          |
| 1,100.0                                                                          | 1,100.0               | 1,105.0               | 1,095.0               | 3.7              | 3.7           | 87.39                 | 80.5                                | 1,764.1      | 1,765.9                | 1,758.5                 | 7.44                      | 237.242            |          |
| 1,200.0                                                                          | 1,200.0               | 1,195.0               | 1,195.0               | 4.1              | 4.1           | 87.39                 | 80.5                                | 1,764.1      | 1,765.9                | 1,757.8                 | 8.12                      | 217.354            |          |
| 1,300.0                                                                          | 1,300.0               | 1,378.9               | 1,378.7               | 4.4              | 4.7           | 87.50                 | 76.7                                | 1,760.0      | 1,763.7                | 1,754.6                 | 9.10                      | 193.770            |          |
| 1,400.0                                                                          | 1,400.0               | 1,565.6               | 1,564.6               | 4.8              | 5.3           | 87.88                 | 64.6                                | 1,747.1      | 1,756.5                | 1,746.4                 | 10.07                     | 174.371            |          |
| 1,500.0                                                                          | 1,500.0               | 1,655.2               | 1,653.4               | 5.1              | 5.6           | 88.13                 | 56.6                                | 1,738.5      | 1,746.6                | 1,735.9                 | 10.74                     | 162.623            |          |
| 1,600.0                                                                          | 1,600.0               | 1,723.4               | 1,721.2               | 5.5              | 5.9           | 88.29                 | 51.6                                | 1,733.1      | 1,738.4                | 1,727.1                 | 11.34                     | 153.240            |          |
| 1,700.0                                                                          | 1,700.0               | 1,800.0               | 1,797.6               | 5.9              | 6.2           | 88.43                 | 47.2                                | 1,728.4      | 1,732.1                | 1,720.1                 | 11.98                     | 144.632            |          |
| 1,800.0                                                                          | 1,800.0               | 1,860.5               | 1,858.0               | 6.2              | 6.4           | 88.51                 | 44.8                                | 1,725.8      | 1,727.5                | 1,715.0                 | 12.55                     | 137.628            |          |
| 1,900.0                                                                          | 1,900.0               | 1,929.4               | 1,926.8               | 6.6              | 6.6           | 88.57                 | 43.1                                | 1,724.0      | 1,724.8                | 1,711.6                 | 13.15                     | 131.126            |          |
| 2,000.0                                                                          | 2,000.0               | 2,000.0               | 1,997.4               | 6.9              | 6.9           | 88.59                 | 42.5                                | 1,723.3      | 1,723.9                | 1,710.1                 | 13.76                     | 125.292            |          |
| 2,100.0                                                                          | 2,100.0               | 2,172.7               | 2,170.0               | 7.3              | 7.5           | 88.71                 | 38.8                                | 1,719.7      | 1,721.7                | 1,707.0                 | 14.72                     | 116.982            |          |
| 2,200.0                                                                          | 2,200.0               | 2,348.4               | 2,345.0               | 7.7              | 8.1           | 89.08                 | 27.5                                | 1,708.4      | 1,715.2                | 1,699.5                 | 15.67                     | 109.435            |          |
| 2,300.0                                                                          | 2,300.0               | 2,469.5               | 2,464.9               | 8.0              | 8.6           | 89.46                 | 15.9                                | 1,696.8      | 1,705.4                | 1,688.9                 | 16.46                     | 103.616            |          |
| 2,400.0                                                                          | 2,400.0               | 2,568.5               | 2,563.0               | 8.4              | 8.9           | 89.79                 | 6.2                                 | 1,687.1      | 1,695.4                | 1,678.2                 | 17.18                     | 98.675             |          |
| 2,500.0                                                                          | 2,500.0               | 2,667.6               | 2,661.1               | 8.7              | 9.3           | 90.12                 | -3.6                                | 1,677.3      | 1,685.5                | 1,667.6                 | 17.91                     | 94.120             |          |
| 2,600.0                                                                          | 2,600.0               | 2,766.6               | 2,759.1               | 9.1              | 9.7           | 90.46                 | -13.3                               | 1,667.6      | 1,675.7                | 1,657.1                 | 18.64                     | 89.911             |          |
| 2,700.0                                                                          | 2,700.0               | 2,865.6               | 2,857.2               | 9.4              | 10.1          | 90.80                 | -23.0                               | 1,657.9      | 1,665.9                | 1,646.6                 | 19.37                     | 86.010             |          |
| 2,800.0                                                                          | 2,800.0               | 2,964.7               | 2,955.3               | 9.8              | 10.5          | 91.14                 | -32.8                               | 1,648.1      | 1,656.2                | 1,636.1                 | 20.10                     | 82.387             |          |
| 2,900.0                                                                          | 2,900.0               | 3,063.7               | 3,053.4               | 10.2             | 10.9          | 91.49                 | -42.5                               | 1,638.4      | 1,646.6                | 1,625.8                 | 20.84                     | 79.013             |          |
| 3,000.0                                                                          | 3,000.0               | 3,162.7               | 3,151.4               | 10.5             | 11.3          | 91.84                 | -52.3                               | 1,628.7      | 1,637.0                | 1,615.4                 | 21.58                     | 75.866             |          |
| 3,100.0                                                                          | 3,100.0               | 3,261.7               | 3,249.5               | 10.9             | 11.7          | 92.19                 | -62.0                               | 1,618.9      | 1,627.5                | 1,605.2                 | 22.32                     | 72.923             |          |
| 3,200.0                                                                          | 3,200.0               | 3,360.8               | 3,347.6               | 11.2             | 12.1          | 92.55                 | -71.7                               | 1,609.2      | 1,618.0                | 1,595.0                 | 23.06                     | 70.167             |          |
| 3,300.0                                                                          | 3,300.0               | 3,459.8               | 3,445.6               | 11.6             | 12.5          | 92.92                 | -81.5                               | 1,599.5      | 1,608.6                | 1,584.8                 | 23.80                     | 67.580             |          |
| 3,400.0                                                                          | 3,400.0               | 3,558.8               | 3,543.7               | 12.0             | 12.9          | 93.28                 | -91.2                               | 1,589.8      | 1,599.3                | 1,574.7                 | 24.55                     | 65.148             |          |
| 3,500.0                                                                          | 3,500.0               | 3,657.9               | 3,641.8               | 12.3             | 13.3          | 93.66                 | -100.9                              | 1,580.0      | 1,590.0                | 1,564.7                 | 25.30                     | 62.859             |          |
| 3,600.0                                                                          | 3,600.0               | 3,756.9               | 3,739.8               | 12.7             | 13.7          | 94.03                 | -110.7                              | 1,570.3      | 1,580.8                | 1,554.8                 | 26.04                     | 60.699             |          |
| 3,700.0                                                                          | 3,700.0               | 3,855.9               | 3,837.9               | 13.0             | 14.1          | 94.41                 | -120.4                              | 1,560.6      | 1,571.7                | 1,544.9                 | 26.79                     | 58.660             |          |
| 3,800.0                                                                          | 3,800.0               | 3,955.0               | 3,936.0               | 13.4             | 14.5          | 94.80                 | -130.2                              | 1,550.8      | 1,562.7                | 1,535.1                 | 27.54                     | 56.732             |          |
| 3,900.0                                                                          | 3,900.0               | 4,053.8               | 4,033.8               | 13.7             | 14.9          | 95.21                 | -139.9                              | 1,541.1      | 1,551.9                | 1,523.7                 | 28.29                     | 54.863             |          |
| 4,000.0                                                                          | 3,999.8               | 4,152.2               | 4,131.3               | 14.1             | 15.3          | 95.65                 | -149.6                              | 1,531.5      | 1,537.9                | 1,508.8                 | 29.02                     | 52.992             |          |
| 4,100.0                                                                          | 4,099.6               | 4,250.3               | 4,228.4               | 14.4             | 15.7          | 96.08                 | -159.2                              | 1,521.8      | 1,522.1                | 1,492.4                 | 29.75                     | 51.158             |          |
| 4,200.0                                                                          | 4,199.4               | 4,348.4               | 4,325.5               | 14.8             | 16.1          | 96.52                 | -168.9                              | 1,512.2      | 1,506.5                | 1,476.0                 | 30.49                     | 49.414             |          |
| 4,300.0                                                                          | 4,299.1               | 4,446.5               | 4,422.7               | 15.1             | 16.5          | 96.96                 | -178.5                              | 1,502.5      | 1,491.0                | 1,459.7                 | 31.22                     | 47.550             |          |
| 4,400.0                                                                          | 4,398.9               | 4,544.6               | 4,519.8               | 15.5             | 16.9          | 97.42                 | -188.2                              | 1,492.9      | 1,475.5                | 1,443.5                 | 31.96                     | 46.163             |          |
| 4,500.0                                                                          | 4,498.6               | 4,642.7               | 4,617.0               | 15.8             | 17.4          | 97.88                 | -197.8                              | 1,483.3      | 1,460.1                | 1,427.4                 | 32.70                     | 44.647             |          |
| 4,600.0                                                                          | 4,598.5               | 4,741.0               | 4,714.4               | 16.2             | 17.8          | 98.32                 | -207.5                              | 1,473.6      | 1,446.1                | 1,412.7                 | 33.45                     | 43.236             |          |
| 4,700.0                                                                          | 4,698.4               | 4,839.7               | 4,812.1               | 16.5             | 18.2          | 98.75                 | -217.2                              | 1,463.9      | 1,434.8                | 1,400.6                 | 34.19                     | 41.960             |          |
| 4,766.7                                                                          | 4,765.1               | 4,905.6               | 4,877.4               | 16.8             | 18.4          | 99.04                 | -223.7                              | 1,457.4      | 1,428.8                | 1,394.1                 | 34.70                     | 41.176             |          |
| 4,800.0                                                                          | 4,798.4               | 4,938.6               | 4,910.1               | 16.9             | 18.6          | 99.19                 | -226.9                              | 1,454.2      | 1,426.0                | 1,391.1                 | 34.95                     | 40.798             |          |
| 4,900.0                                                                          | 4,898.4               | 5,037.7               | 5,008.1               | 17.2             | 19.0          | 99.64                 | -236.7                              | 1,444.4      | 1,417.9                | 1,382.2                 | 35.72                     | 39.697             |          |
| 5,000.0                                                                          | 4,998.4               | 5,136.7               | 5,106.2               | 17.6             | 19.4          | 100.10                | -246.4                              | 1,434.7      | 1,409.8                | 1,373.4                 | 36.48                     | 38.643             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #511H - Wellbore #1 - BLM Plan #2 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-MWMD                                                           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 5,100.0                                                                          | 5,098.4               | 5,235.7               | 5,204.3               | 17.9             | 19.8          | 100.56                | -256.1                              | 1,425.0      | 1,401.9                | 1,364.6                 | 37.25                     | 37.634             |          |
| 5,200.0                                                                          | 5,198.4               | 5,334.7               | 5,302.3               | 18.3             | 20.2          | 101.03                | -265.9                              | 1,415.3      | 1,394.0                | 1,356.0                 | 38.02                     | 36.666             |          |
| 5,300.0                                                                          | 5,298.4               | 5,433.8               | 5,400.4               | 18.7             | 20.7          | 101.50                | -275.6                              | 1,405.5      | 1,386.3                | 1,347.5                 | 38.79                     | 35.739             |          |
| 5,400.0                                                                          | 5,398.4               | 5,532.8               | 5,498.5               | 19.0             | 21.1          | 101.98                | -285.4                              | 1,395.8      | 1,378.6                | 1,339.0                 | 39.56                     | 34.849             |          |
| 5,500.0                                                                          | 5,498.4               | 5,631.8               | 5,596.6               | 19.4             | 21.5          | 102.47                | -295.1                              | 1,386.1      | 1,371.0                | 1,330.7                 | 40.33                     | 33.995             |          |
| 5,600.0                                                                          | 5,598.4               | 5,730.9               | 5,694.6               | 19.7             | 21.9          | 102.95                | -304.8                              | 1,376.3      | 1,363.5                | 1,322.4                 | 41.10                     | 33.174             |          |
| 5,700.0                                                                          | 5,698.4               | 5,829.9               | 5,792.7               | 20.1             | 22.3          | 103.45                | -314.6                              | 1,366.6      | 1,356.2                | 1,314.3                 | 41.88                     | 32.385             |          |
| 5,766.7                                                                          | 5,765.1               | 5,895.9               | 5,858.1               | 20.3             | 22.6          | 103.78                | -321.1                              | 1,360.1      | 1,351.3                | 1,308.9                 | 42.39                     | 31.876             |          |
| 5,800.0                                                                          | 5,798.4               | 5,928.9               | 5,890.8               | 20.4             | 22.7          | -74.43                | -324.3                              | 1,356.9      | 1,348.8                | 1,306.2                 | 42.65                     | 31.629             |          |
| 5,900.0                                                                          | 5,898.4               | 6,028.2               | 5,989.1               | 20.8             | 23.1          | -74.20                | -334.1                              | 1,347.1      | 1,340.9                | 1,297.5                 | 43.39                     | 30.906             |          |
| 6,000.0                                                                          | 5,998.1               | 6,127.6               | 6,087.5               | 21.1             | 23.6          | -74.12                | -343.9                              | 1,337.3      | 1,332.0                | 1,287.9                 | 44.12                     | 30.188             |          |
| 6,100.0                                                                          | 6,097.7               | 6,227.1               | 6,186.0               | 21.4             | 24.0          | -74.20                | -353.6                              | 1,327.6      | 1,322.2                | 1,277.3                 | 44.86                     | 29.475             |          |
| 6,200.0                                                                          | 6,196.8               | 6,326.5               | 6,284.5               | 21.8             | 24.4          | -74.45                | -363.4                              | 1,317.8      | 1,311.5                | 1,265.9                 | 45.59                     | 28.767             |          |
| 6,229.5                                                                          | 6,225.9               | 6,355.8               | 6,313.5               | 21.8             | 24.5          | -74.55                | -366.3                              | 1,314.9      | 1,308.1                | 1,262.3                 | 45.80                     | 28.560             |          |
| 6,300.0                                                                          | 6,295.5               | 6,425.8               | 6,382.8               | 22.1             | 24.8          | -74.66                | -373.2                              | 1,308.0      | 1,300.0                | 1,253.7                 | 46.32                     | 28.068             |          |
| 6,400.0                                                                          | 6,394.2               | 6,525.1               | 6,481.1               | 22.4             | 25.2          | -74.82                | -382.9                              | 1,298.3      | 1,288.5                | 1,241.5                 | 47.05                     | 27.388             |          |
| 6,500.0                                                                          | 6,492.9               | 6,624.4               | 6,579.4               | 22.7             | 25.6          | -74.99                | -392.7                              | 1,288.5      | 1,277.1                | 1,229.3                 | 47.78                     | 26.727             |          |
| 6,600.0                                                                          | 6,591.6               | 6,723.6               | 6,677.7               | 23.1             | 26.1          | -75.15                | -402.5                              | 1,278.8      | 1,265.6                | 1,217.1                 | 48.52                     | 26.084             |          |
| 6,700.0                                                                          | 6,690.3               | 6,822.9               | 6,776.1               | 23.4             | 26.5          | -75.32                | -412.2                              | 1,269.0      | 1,254.2                | 1,204.9                 | 49.26                     | 25.459             |          |
| 6,800.0                                                                          | 6,789.0               | 6,922.2               | 6,874.4               | 23.8             | 26.9          | -75.49                | -422.0                              | 1,259.3      | 1,242.7                | 1,192.7                 | 50.01                     | 24.851             |          |
| 6,900.0                                                                          | 6,887.7               | 7,021.5               | 6,972.7               | 24.1             | 27.3          | -75.67                | -431.8                              | 1,249.5      | 1,231.3                | 1,180.6                 | 50.75                     | 24.260             |          |
| 7,000.0                                                                          | 6,986.4               | 7,120.7               | 7,071.0               | 24.5             | 27.7          | -75.85                | -441.5                              | 1,239.8      | 1,219.9                | 1,168.4                 | 51.51                     | 23.685             |          |
| 7,100.0                                                                          | 7,085.1               | 7,220.0               | 7,169.3               | 24.8             | 28.2          | -76.03                | -451.3                              | 1,230.0      | 1,208.5                | 1,156.3                 | 52.26                     | 23.126             |          |
| 7,200.0                                                                          | 7,183.8               | 7,319.3               | 7,267.6               | 25.2             | 28.6          | -76.21                | -461.1                              | 1,220.2      | 1,197.1                | 1,144.1                 | 53.01                     | 22.582             |          |
| 7,300.0                                                                          | 7,282.5               | 7,418.6               | 7,365.9               | 25.6             | 29.0          | -76.40                | -470.8                              | 1,210.5      | 1,185.8                | 1,132.0                 | 53.77                     | 22.052             |          |
| 7,400.0                                                                          | 7,381.2               | 7,517.8               | 7,464.2               | 25.9             | 29.4          | -76.60                | -480.6                              | 1,200.7      | 1,174.4                | 1,119.9                 | 54.53                     | 21.537             |          |
| 7,500.0                                                                          | 7,479.8               | 7,617.1               | 7,562.5               | 26.3             | 29.8          | -76.79                | -490.4                              | 1,191.0      | 1,163.1                | 1,107.8                 | 55.29                     | 21.035             |          |
| 7,600.0                                                                          | 7,578.5               | 7,716.4               | 7,660.8               | 26.7             | 30.2          | -76.99                | -500.1                              | 1,181.2      | 1,151.7                | 1,095.7                 | 56.06                     | 20.546             |          |
| 7,700.0                                                                          | 7,677.2               | 7,815.6               | 7,759.2               | 27.0             | 30.7          | -77.20                | -509.9                              | 1,171.5      | 1,140.4                | 1,083.6                 | 56.82                     | 20.070             |          |
| 7,800.0                                                                          | 7,775.9               | 7,914.9               | 7,857.5               | 27.4             | 31.1          | -77.40                | -519.6                              | 1,161.7      | 1,129.1                | 1,071.5                 | 57.59                     | 19.606             |          |
| 7,900.0                                                                          | 7,874.6               | 8,014.2               | 7,955.8               | 27.8             | 31.5          | -77.62                | -529.4                              | 1,152.0      | 1,117.8                | 1,059.5                 | 58.36                     | 19.154             |          |
| 8,000.0                                                                          | 7,973.3               | 8,113.5               | 8,054.1               | 28.2             | 31.9          | -77.83                | -539.2                              | 1,142.2      | 1,106.5                | 1,047.4                 | 59.13                     | 18.714             |          |
| 8,100.0                                                                          | 8,072.0               | 8,212.7               | 8,152.4               | 28.6             | 32.3          | -78.05                | -548.9                              | 1,132.5      | 1,095.3                | 1,035.4                 | 59.90                     | 18.285             |          |
| 8,200.0                                                                          | 8,170.7               | 8,312.0               | 8,250.7               | 28.9             | 32.8          | -78.28                | -558.7                              | 1,122.7      | 1,084.1                | 1,023.4                 | 60.68                     | 17.866             |          |
| 8,300.0                                                                          | 8,269.4               | 8,411.3               | 8,349.0               | 29.3             | 33.2          | -78.51                | -568.5                              | 1,112.9      | 1,072.8                | 1,011.4                 | 61.45                     | 17.458             |          |
| 8,400.0                                                                          | 8,368.1               | 8,510.6               | 8,447.3               | 29.7             | 33.6          | -78.75                | -578.2                              | 1,103.2      | 1,061.6                | 999.4                   | 62.23                     | 17.061             |          |
| 8,500.0                                                                          | 8,466.8               | 8,609.8               | 8,545.6               | 30.1             | 34.0          | -78.99                | -588.0                              | 1,093.4      | 1,050.4                | 987.4                   | 63.00                     | 16.672             |          |
| 8,600.0                                                                          | 8,565.5               | 8,709.1               | 8,644.0               | 30.5             | 34.4          | -79.23                | -597.8                              | 1,083.7      | 1,039.3                | 975.5                   | 63.78                     | 16.294             |          |
| 8,700.0                                                                          | 8,664.2               | 8,808.4               | 8,742.3               | 30.9             | 34.9          | -79.48                | -607.5                              | 1,073.9      | 1,028.1                | 963.6                   | 64.56                     | 15.924             |          |
| 8,800.0                                                                          | 8,762.9               | 8,907.7               | 8,840.6               | 31.3             | 35.3          | -79.74                | -617.3                              | 1,064.2      | 1,017.0                | 951.6                   | 65.34                     | 15.564             |          |
| 8,900.0                                                                          | 8,861.6               | 9,006.9               | 8,938.9               | 31.7             | 35.7          | -80.00                | -627.0                              | 1,054.4      | 1,005.9                | 939.8                   | 66.12                     | 15.212             |          |
| 9,000.0                                                                          | 8,960.3               | 9,106.2               | 9,037.2               | 32.1             | 36.1          | -80.27                | -636.8                              | 1,044.7      | 994.8                  | 927.9                   | 66.91                     | 14.869             |          |
| 9,100.0                                                                          | 9,059.0               | 9,205.5               | 9,135.5               | 32.5             | 36.5          | -80.54                | -646.6                              | 1,034.9      | 983.7                  | 916.0                   | 67.69                     | 14.533             |          |
| 9,200.0                                                                          | 9,157.7               | 9,304.8               | 9,233.8               | 32.9             | 37.0          | -80.82                | -656.3                              | 1,025.1      | 972.7                  | 904.2                   | 68.47                     | 14.206             |          |
| 9,300.0                                                                          | 9,256.4               | 9,404.0               | 9,332.1               | 33.3             | 37.4          | -81.11                | -666.1                              | 1,015.4      | 961.7                  | 892.4                   | 69.26                     | 13.886             |          |
| 9,400.0                                                                          | 9,355.1               | 9,503.3               | 9,430.4               | 33.7             | 37.8          | -81.40                | -675.9                              | 1,005.6      | 950.7                  | 880.6                   | 70.04                     | 13.573             |          |
| 9,500.0                                                                          | 9,453.8               | 9,602.6               | 9,528.7               | 34.1             | 38.2          | -81.70                | -685.6                              | 995.9        | 939.7                  | 868.9                   | 70.82                     | 13.268             |          |
| 9,600.0                                                                          | 9,552.5               | 9,701.9               | 9,627.1               | 34.5             | 38.6          | -82.01                | -695.4                              | 986.1        | 928.8                  | 857.1                   | 71.61                     | 12.970             |          |
| 9,700.0                                                                          | 9,651.2               | 9,801.1               | 9,725.4               | 34.9             | 39.1          | -82.32                | -705.2                              | 976.4        | 917.8                  | 845.4                   | 72.39                     | 12.678             |          |
| 9,800.0                                                                          | 9,749.9               | 9,900.4               | 9,823.7               | 35.3             | 39.5          | -82.65                | -714.9                              | 966.6        | 907.0                  | 833.8                   | 73.18                     | 12.393             |          |
| 9,900.0                                                                          | 9,848.6               | 9,999.7               | 9,922.0               | 35.7             | 39.9          | -82.97                | -724.7                              | 956.9        | 896.1                  | 822.1                   | 73.97                     | 12.115             |          |
| 10,000.0                                                                         | 9,947.3               | 10,101.0              | 10,020.3              | 36.1             | 40.3          | -83.31                | -734.5                              | 947.1        | 885.3                  | 810.5                   | 74.76                     | 11.842             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #511H - Wellbore #1 - BLM Plan #2 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-MWMD                                                           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 10,100.0                                                                         | 10,046.0              | 10,201.8              | 10,118.6              | 36.5             | 40.7          | -83.66                | -744.2                              | 937.4        | 874.5                  | 798.9                   | 75.55                     | 11.575             |          |
| 10,200.0                                                                         | 10,144.7              | 10,302.5              | 10,216.9              | 36.9             | 41.2          | -84.01                | -754.0                              | 927.6        | 863.7                  | 787.4                   | 76.34                     | 11.314             |          |
| 10,300.0                                                                         | 10,243.4              | 10,403.2              | 10,315.2              | 37.3             | 41.6          | -84.38                | -763.7                              | 917.8        | 853.0                  | 775.8                   | 77.13                     | 11.059             |          |
| 10,400.0                                                                         | 10,342.1              | 10,496.1              | 10,413.5              | 37.7             | 42.0          | -84.75                | -773.5                              | 908.1        | 842.3                  | 764.4                   | 77.89                     | 10.814             |          |
| 10,500.0                                                                         | 10,440.8              | 10,604.7              | 10,511.8              | 38.1             | 42.5          | -85.13                | -783.3                              | 898.3        | 831.6                  | 752.9                   | 78.71                     | 10.565             |          |
| 10,600.0                                                                         | 10,539.5              | 10,694.6              | 10,610.2              | 38.5             | 42.8          | -85.52                | -793.0                              | 888.6        | 821.0                  | 741.5                   | 79.46                     | 10.332             |          |
| 10,700.0                                                                         | 10,638.2              | 10,806.1              | 10,708.5              | 39.0             | 43.3          | -85.93                | -802.8                              | 878.8        | 810.4                  | 730.1                   | 80.29                     | 10.093             |          |
| 10,800.0                                                                         | 10,736.9              | 10,893.2              | 10,806.8              | 39.4             | 43.7          | -86.34                | -812.6                              | 869.1        | 799.9                  | 718.8                   | 81.02                     | 9.872              |          |
| 10,900.0                                                                         | 10,835.6              | 11,007.6              | 10,905.1              | 39.8             | 44.2          | -86.76                | -822.3                              | 859.3        | 789.4                  | 707.5                   | 81.86                     | 9.642              |          |
| 11,000.0                                                                         | 10,934.3              | 11,091.7              | 11,003.4              | 40.2             | 44.5          | -87.20                | -832.1                              | 849.6        | 778.9                  | 696.3                   | 82.58                     | 9.432              |          |
| 11,100.0                                                                         | 11,033.0              | 11,209.0              | 11,101.7              | 40.6             | 45.0          | -87.65                | -841.9                              | 839.8        | 768.5                  | 685.1                   | 83.43                     | 9.211              |          |
| 11,200.0                                                                         | 11,131.7              | 11,309.7              | 11,200.0              | 41.0             | 45.4          | -88.10                | -851.6                              | 830.0        | 758.1                  | 673.9                   | 84.22                     | 9.002              |          |
| 11,300.0                                                                         | 11,230.4              | 11,389.5              | 11,298.3              | 41.4             | 45.8          | -88.58                | -861.4                              | 820.3        | 747.8                  | 662.9                   | 84.92                     | 8.806              |          |
| 11,400.0                                                                         | 11,329.1              | 11,488.8              | 11,396.6              | 41.9             | 46.2          | -89.06                | -871.1                              | 810.5        | 737.5                  | 651.9                   | 85.69                     | 8.607              |          |
| 11,500.0                                                                         | 11,427.8              | 11,588.1              | 11,495.0              | 42.3             | 46.6          | -89.56                | -880.9                              | 800.8        | 727.3                  | 640.9                   | 86.47                     | 8.412              |          |
| 11,535.3                                                                         | 11,462.6              | 11,623.1              | 11,529.7              | 42.4             | 46.8          | -89.74                | -884.4                              | 797.3        | 723.7                  | 637.0                   | 86.74                     | 8.344              |          |
| 11,600.0                                                                         | 11,526.5              | 11,687.4              | 11,593.3              | 42.7             | 47.0          | -89.93                | -890.7                              | 791.0        | 717.2                  | 629.9                   | 87.24                     | 8.221              |          |
| 11,700.0                                                                         | 11,625.7              | 11,786.8              | 11,691.8              | 43.1             | 47.5          | -90.06                | -900.5                              | 781.3        | 707.1                  | 619.1                   | 88.01                     | 8.034              |          |
| 11,800.0                                                                         | 11,725.1              | 11,882.2              | 11,786.3              | 43.5             | 47.9          | -89.99                | -909.8                              | 772.0        | 697.1                  | 608.3                   | 88.80                     | 7.850              |          |
| 11,900.0                                                                         | 11,824.8              | 11,970.3              | 11,873.7              | 43.9             | 48.2          | -89.84                | -917.2                              | 764.5        | 688.4                  | 598.8                   | 89.58                     | 7.685              |          |
| 12,000.0                                                                         | 11,924.7              | 12,058.6              | 11,961.6              | 44.2             | 48.6          | -89.63                | -923.3                              | 758.5        | 681.3                  | 591.0                   | 90.32                     | 7.544              |          |
| 12,100.0                                                                         | 12,024.6              | 12,147.1              | 12,049.8              | 44.6             | 48.9          | -89.37                | -927.9                              | 753.9        | 676.0                  | 585.0                   | 91.02                     | 7.427              |          |
| 12,152.4                                                                         | 12,077.0              | 12,193.5              | 12,096.2              | 44.7             | 49.1          | 89.12                 | -929.7                              | 752.0        | 673.9                  | 582.5                   | 91.38                     | 7.375              |          |
| 12,200.0                                                                         | 12,124.6              | 12,235.7              | 12,138.4              | 44.9             | 49.2          | -95.00                | -931.0                              | 750.7        | 672.5                  | 580.8                   | 91.69                     | 7.335              |          |
| 12,250.0                                                                         | 12,174.2              | 12,279.9              | 12,182.5              | 45.1             | 49.4          | -95.45                | -932.1                              | 749.7        | 671.9                  | 579.9                   | 92.00                     | 7.304              |          |
| 12,260.1                                                                         | 12,184.1              | 12,288.7              | 12,191.3              | 45.1             | 49.4          | -95.58                | -932.2                              | 749.5        | 671.9                  | 579.8                   | 92.06                     | 7.299 CC           |          |
| 12,300.0                                                                         | 12,223.0              | 12,323.3              | 12,225.9              | 45.3             | 49.5          | -96.15                | -932.7                              | 749.0        | 672.2                  | 579.9                   | 92.28                     | 7.285              |          |
| 12,350.0                                                                         | 12,270.7              | 12,365.6              | 12,268.2              | 45.6             | 49.6          | -97.05                | -933.0                              | 748.7        | 673.6                  | 581.1                   | 92.53                     | 7.279              |          |
| 12,400.0                                                                         | 12,317.0              | 12,412.1              | 12,314.6              | 45.8             | 49.8          | -98.23                | -933.7                              | 748.7        | 676.2                  | 583.4                   | 92.82                     | 7.286              |          |
| 12,450.0                                                                         | 12,361.4              | 12,464.3              | 12,366.6              | 46.1             | 50.0          | -99.51                | -938.6                              | 748.7        | 679.7                  | 586.5                   | 93.18                     | 7.294              |          |
| 12,500.0                                                                         | 12,403.7              | 12,518.6              | 12,420.0              | 46.4             | 50.2          | -100.75               | -948.7                              | 748.8        | 683.9                  | 590.3                   | 93.60                     | 7.306              |          |
| 12,550.0                                                                         | 12,443.5              | 12,575.2              | 12,474.3              | 46.7             | 50.4          | -101.92               | -964.6                              | 748.9        | 688.7                  | 594.7                   | 94.07                     | 7.322              |          |
| 12,600.0                                                                         | 12,480.5              | 12,634.3              | 12,529.0              | 47.1             | 50.7          | -103.03               | -986.7                              | 749.0        | 694.2                  | 599.6                   | 94.56                     | 7.341              |          |
| 12,650.0                                                                         | 12,514.4              | 12,696.0              | 12,583.5              | 47.4             | 51.0          | -104.05               | -1,015.7                            | 749.2        | 700.0                  | 605.0                   | 95.06                     | 7.364              |          |
| 12,700.0                                                                         | 12,545.0              | 12,760.5              | 12,636.7              | 47.8             | 51.4          | -104.97               | -1,052.2                            | 749.4        | 706.2                  | 610.6                   | 95.57                     | 7.389              |          |
| 12,750.0                                                                         | 12,572.0              | 12,827.9              | 12,687.5              | 48.1             | 51.8          | -105.77               | -1,096.3                            | 749.7        | 712.5                  | 616.5                   | 96.07                     | 7.416              |          |
| 12,800.0                                                                         | 12,595.3              | 12,898.2              | 12,734.6              | 48.5             | 52.2          | -106.44               | -1,148.4                            | 750.0        | 718.8                  | 622.2                   | 96.59                     | 7.442              |          |
| 12,850.0                                                                         | 12,614.6              | 12,971.1              | 12,776.4              | 48.9             | 52.7          | -106.94               | -1,208.1                            | 750.3        | 724.9                  | 627.8                   | 97.15                     | 7.462              |          |
| 12,900.0                                                                         | 12,629.8              | 13,046.6              | 12,811.3              | 49.3             | 53.3          | -107.25               | -1,275.0                            | 750.8        | 730.7                  | 632.9                   | 97.79                     | 7.472              |          |
| 12,950.0                                                                         | 12,640.8              | 13,124.1              | 12,837.7              | 49.7             | 53.8          | -107.34               | -1,347.8                            | 751.2        | 736.0                  | 637.4                   | 98.56                     | 7.467              |          |
| 13,000.0                                                                         | 12,647.6              | 13,203.0              | 12,854.2              | 50.1             | 54.4          | -107.21               | -1,424.9                            | 751.7        | 740.6                  | 641.1                   | 99.51                     | 7.443              |          |
| 13,052.4                                                                         | 12,650.0              | 13,286.5              | 12,860.0              | 50.5             | 55.1          | -106.82               | -1,508.1                            | 752.2        | 744.7                  | 644.0                   | 100.70                    | 7.395              |          |
| 13,100.0                                                                         | 12,650.0              | 13,333.2              | 12,860.0              | 50.9             | 55.4          | -106.74               | -1,554.8                            | 752.5        | 747.7                  | 646.3                   | 101.47                    | 7.369              |          |
| 13,200.0                                                                         | 12,650.0              | 13,433.1              | 12,860.0              | 51.8             | 56.2          | -106.62               | -1,654.7                            | 753.1        | 751.7                  | 648.5                   | 103.14                    | 7.288              |          |
| 13,267.5                                                                         | 12,650.0              | 13,500.6              | 12,860.0              | 52.4             | 56.8          | -106.60               | -1,722.3                            | 753.5        | 752.4                  | 648.1                   | 104.29                    | 7.215              |          |
| 13,300.0                                                                         | 12,650.0              | 13,533.1              | 12,860.0              | 52.7             | 57.1          | -106.60               | -1,754.7                            | 753.7        | 752.4                  | 647.6                   | 104.85                    | 7.176              |          |
| 13,400.0                                                                         | 12,650.0              | 13,633.1              | 12,860.0              | 53.6             | 58.0          | -106.60               | -1,854.7                            | 754.3        | 752.4                  | 645.8                   | 106.63                    | 7.056              |          |
| 13,500.0                                                                         | 12,650.0              | 13,733.1              | 12,860.0              | 54.6             | 58.9          | -106.60               | -1,954.7                            | 754.9        | 752.4                  | 643.9                   | 108.48                    | 6.936              |          |
| 13,600.0                                                                         | 12,650.0              | 13,833.1              | 12,860.0              | 55.6             | 59.8          | -106.60               | -2,054.7                            | 755.5        | 752.4                  | 642.0                   | 110.38                    | 6.816              |          |
| 13,700.0                                                                         | 12,650.0              | 13,933.1              | 12,860.0              | 56.6             | 60.8          | -106.60               | -2,154.7                            | 756.1        | 752.4                  | 640.1                   | 112.35                    | 6.697              |          |
| 13,800.0                                                                         | 12,650.0              | 14,033.1              | 12,860.0              | 57.6             | 61.8          | -106.60               | -2,254.7                            | 756.7        | 752.4                  | 638.0                   | 114.37                    | 6.578              |          |
| 13,900.0                                                                         | 12,650.0              | 14,133.1              | 12,860.0              | 58.7             | 62.9          | -106.60               | -2,354.7                            | 757.4        | 752.4                  | 635.9                   | 116.45                    | 6.461              |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #511H - Wellbore #1 - BLM Plan #2 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-MWMD                                                           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 14,000.0                                                                         | 12,650.0              | 14,233.1              | 12,860.0              | 59.8             | 63.9          | -106.60               | -2,454.7                            | 758.0        | 752.4                  | 633.8                   | 118.58                    | 6.345              |          |
| 14,100.0                                                                         | 12,650.0              | 14,333.1              | 12,860.0              | 61.0             | 65.0          | -106.60               | -2,554.7                            | 758.6        | 752.4                  | 631.6                   | 120.75                    | 6.231              |          |
| 14,200.0                                                                         | 12,650.0              | 14,433.1              | 12,860.0              | 62.1             | 66.1          | -106.60               | -2,654.7                            | 759.2        | 752.4                  | 629.4                   | 122.97                    | 6.118              |          |
| 14,300.0                                                                         | 12,650.0              | 14,533.1              | 12,860.0              | 63.3             | 67.2          | -106.60               | -2,754.7                            | 759.8        | 752.4                  | 627.1                   | 125.24                    | 6.008              |          |
| 14,400.0                                                                         | 12,650.0              | 14,633.1              | 12,860.0              | 64.5             | 68.4          | -106.60               | -2,854.7                            | 760.4        | 752.4                  | 624.8                   | 127.54                    | 5.899              |          |
| 14,500.0                                                                         | 12,650.0              | 14,733.1              | 12,860.0              | 65.7             | 69.6          | -106.60               | -2,954.7                            | 761.0        | 752.4                  | 622.5                   | 129.88                    | 5.793              |          |
| 14,600.0                                                                         | 12,650.0              | 14,833.1              | 12,860.0              | 67.0             | 70.8          | -106.60               | -3,054.7                            | 761.6        | 752.4                  | 620.1                   | 132.26                    | 5.689              |          |
| 14,700.0                                                                         | 12,650.0              | 14,933.1              | 12,860.0              | 68.2             | 72.0          | -106.60               | -3,154.7                            | 762.2        | 752.4                  | 617.7                   | 134.67                    | 5.587              |          |
| 14,800.0                                                                         | 12,650.0              | 15,033.1              | 12,860.0              | 69.5             | 73.2          | -106.60               | -3,254.7                            | 762.9        | 752.4                  | 615.2                   | 137.12                    | 5.487              |          |
| 14,900.0                                                                         | 12,650.0              | 15,133.1              | 12,860.0              | 70.8             | 74.4          | -106.60               | -3,354.7                            | 763.5        | 752.3                  | 612.8                   | 139.60                    | 5.389              |          |
| 15,000.0                                                                         | 12,650.0              | 15,233.1              | 12,860.0              | 72.1             | 75.7          | -106.60               | -3,454.7                            | 764.1        | 752.3                  | 610.2                   | 142.10                    | 5.294              |          |
| 15,100.0                                                                         | 12,650.0              | 15,333.1              | 12,860.0              | 73.4             | 77.0          | -106.60               | -3,554.7                            | 764.7        | 752.3                  | 607.7                   | 144.64                    | 5.202              |          |
| 15,200.0                                                                         | 12,650.0              | 15,433.1              | 12,860.0              | 74.8             | 78.3          | -106.60               | -3,654.7                            | 765.3        | 752.3                  | 605.1                   | 147.20                    | 5.111              |          |
| 15,300.0                                                                         | 12,650.0              | 15,533.1              | 12,860.0              | 76.1             | 79.6          | -106.60               | -3,754.7                            | 765.9        | 752.3                  | 602.5                   | 149.78                    | 5.023              |          |
| 15,400.0                                                                         | 12,650.0              | 15,633.1              | 12,860.0              | 77.5             | 80.9          | -106.60               | -3,854.7                            | 766.5        | 752.3                  | 599.9                   | 152.39                    | 4.937              |          |
| 15,500.0                                                                         | 12,650.0              | 15,733.1              | 12,860.0              | 78.8             | 82.2          | -106.60               | -3,954.7                            | 767.1        | 752.3                  | 597.3                   | 155.02                    | 4.853              |          |
| 15,600.0                                                                         | 12,650.0              | 15,833.1              | 12,860.0              | 80.2             | 83.5          | -106.60               | -4,054.7                            | 767.7        | 752.3                  | 594.6                   | 157.68                    | 4.771              |          |
| 15,700.0                                                                         | 12,650.0              | 15,933.1              | 12,860.0              | 81.6             | 84.9          | -106.61               | -4,154.7                            | 768.3        | 752.3                  | 592.0                   | 160.35                    | 4.692              |          |
| 15,800.0                                                                         | 12,650.0              | 16,033.1              | 12,860.0              | 83.0             | 86.3          | -106.61               | -4,254.7                            | 769.0        | 752.3                  | 589.3                   | 163.04                    | 4.614              |          |
| 15,900.0                                                                         | 12,650.0              | 16,133.1              | 12,860.0              | 84.4             | 87.6          | -106.61               | -4,354.7                            | 769.6        | 752.3                  | 586.5                   | 165.75                    | 4.539              |          |
| 16,000.0                                                                         | 12,650.0              | 16,233.1              | 12,860.0              | 85.9             | 89.0          | -106.61               | -4,454.7                            | 770.2        | 752.3                  | 583.8                   | 168.48                    | 4.465              |          |
| 16,100.0                                                                         | 12,650.0              | 16,333.1              | 12,860.0              | 87.3             | 90.4          | -106.61               | -4,554.7                            | 770.8        | 752.3                  | 581.1                   | 171.23                    | 4.394              |          |
| 16,200.0                                                                         | 12,650.0              | 16,433.1              | 12,860.0              | 88.7             | 91.8          | -106.61               | -4,654.7                            | 771.4        | 752.3                  | 578.3                   | 173.99                    | 4.324              |          |
| 16,300.0                                                                         | 12,650.0              | 16,533.1              | 12,860.0              | 90.2             | 93.2          | -106.61               | -4,754.7                            | 772.0        | 752.3                  | 575.5                   | 176.76                    | 4.256              |          |
| 16,400.0                                                                         | 12,650.0              | 16,633.1              | 12,860.0              | 91.6             | 94.6          | -106.61               | -4,854.7                            | 772.6        | 752.3                  | 572.7                   | 179.56                    | 4.190              |          |
| 16,500.0                                                                         | 12,650.0              | 16,733.1              | 12,860.0              | 93.1             | 96.0          | -106.61               | -4,954.7                            | 773.2        | 752.3                  | 569.9                   | 182.36                    | 4.125              |          |
| 16,600.0                                                                         | 12,650.0              | 16,833.1              | 12,860.0              | 94.5             | 97.5          | -106.61               | -5,054.7                            | 773.8        | 752.3                  | 567.1                   | 185.18                    | 4.062              |          |
| 16,700.0                                                                         | 12,650.0              | 16,933.1              | 12,860.0              | 96.0             | 98.9          | -106.61               | -5,154.7                            | 774.5        | 752.3                  | 564.2                   | 188.01                    | 4.001              |          |
| 16,800.0                                                                         | 12,650.0              | 17,033.1              | 12,860.0              | 97.5             | 100.4         | -106.61               | -5,254.7                            | 775.1        | 752.3                  | 561.4                   | 190.85                    | 3.942              |          |
| 16,900.0                                                                         | 12,650.0              | 17,133.1              | 12,860.0              | 99.0             | 101.8         | -106.61               | -5,354.7                            | 775.7        | 752.2                  | 558.5                   | 193.71                    | 3.883              |          |
| 17,000.0                                                                         | 12,650.0              | 17,233.1              | 12,860.0              | 100.5            | 103.3         | -106.61               | -5,454.7                            | 776.3        | 752.2                  | 555.7                   | 196.57                    | 3.827              |          |
| 17,100.0                                                                         | 12,650.0              | 17,333.1              | 12,860.0              | 101.9            | 104.7         | -106.61               | -5,554.7                            | 776.9        | 752.2                  | 552.8                   | 199.45                    | 3.772              |          |
| 17,200.0                                                                         | 12,650.0              | 17,433.1              | 12,860.0              | 103.4            | 106.2         | -106.61               | -5,654.7                            | 777.5        | 752.2                  | 549.9                   | 202.33                    | 3.718              |          |
| 17,300.0                                                                         | 12,650.0              | 17,533.1              | 12,860.0              | 104.9            | 107.7         | -106.61               | -5,754.7                            | 778.1        | 752.2                  | 547.0                   | 205.23                    | 3.665              |          |
| 17,400.0                                                                         | 12,650.0              | 17,633.1              | 12,860.0              | 106.5            | 109.1         | -106.61               | -5,854.7                            | 778.7        | 752.2                  | 544.1                   | 208.13                    | 3.614              |          |
| 17,500.0                                                                         | 12,650.0              | 17,733.1              | 12,860.0              | 108.0            | 110.6         | -106.61               | -5,954.7                            | 779.3        | 752.2                  | 541.2                   | 211.04                    | 3.564              |          |
| 17,600.0                                                                         | 12,650.0              | 17,833.1              | 12,860.0              | 109.5            | 112.1         | -106.61               | -6,054.7                            | 780.0        | 752.2                  | 538.2                   | 213.97                    | 3.516              |          |
| 17,700.0                                                                         | 12,650.0              | 17,933.1              | 12,860.0              | 111.0            | 113.6         | -106.61               | -6,154.7                            | 780.6        | 752.2                  | 535.3                   | 216.90                    | 3.468              |          |
| 17,800.0                                                                         | 12,650.0              | 18,033.1              | 12,860.0              | 112.5            | 115.1         | -106.61               | -6,254.7                            | 781.2        | 752.2                  | 532.4                   | 219.83                    | 3.422              |          |
| 17,900.0                                                                         | 12,650.0              | 18,133.1              | 12,860.0              | 114.1            | 116.6         | -106.61               | -6,354.7                            | 781.8        | 752.2                  | 529.4                   | 222.78                    | 3.376              |          |
| 18,000.0                                                                         | 12,650.0              | 18,233.1              | 12,860.0              | 115.6            | 118.1         | -106.61               | -6,454.6                            | 782.4        | 752.2                  | 526.5                   | 225.73                    | 3.332              |          |
| 18,100.0                                                                         | 12,650.0              | 18,333.1              | 12,860.0              | 117.1            | 119.6         | -106.61               | -6,554.6                            | 783.0        | 752.2                  | 523.5                   | 228.69                    | 3.289              |          |
| 18,200.0                                                                         | 12,650.0              | 18,433.1              | 12,860.0              | 118.7            | 121.2         | -106.61               | -6,654.6                            | 783.6        | 752.2                  | 520.5                   | 231.66                    | 3.247              |          |
| 18,300.0                                                                         | 12,650.0              | 18,533.1              | 12,860.0              | 120.2            | 122.7         | -106.61               | -6,754.6                            | 784.2        | 752.2                  | 517.6                   | 234.63                    | 3.206              |          |
| 18,400.0                                                                         | 12,650.0              | 18,633.1              | 12,860.0              | 121.8            | 124.2         | -106.61               | -6,854.6                            | 784.8        | 752.2                  | 514.6                   | 237.61                    | 3.166              |          |
| 18,500.0                                                                         | 12,650.0              | 18,733.1              | 12,860.0              | 123.3            | 125.7         | -106.61               | -6,954.6                            | 785.5        | 752.2                  | 511.6                   | 240.59                    | 3.126              |          |
| 18,600.0                                                                         | 12,650.0              | 18,833.1              | 12,860.0              | 124.9            | 127.2         | -106.61               | -7,054.6                            | 786.1        | 752.2                  | 508.6                   | 243.58                    | 3.088              |          |
| 18,700.0                                                                         | 12,650.0              | 18,933.1              | 12,860.0              | 126.4            | 128.8         | -106.61               | -7,154.6                            | 786.7        | 752.2                  | 505.6                   | 246.58                    | 3.050              |          |
| 18,800.0                                                                         | 12,650.0              | 19,033.1              | 12,860.0              | 128.0            | 130.3         | -106.61               | -7,254.6                            | 787.3        | 752.2                  | 502.6                   | 249.58                    | 3.014              |          |
| 18,900.0                                                                         | 12,650.0              | 19,133.1              | 12,860.0              | 129.5            | 131.9         | -106.61               | -7,354.6                            | 787.9        | 752.2                  | 499.6                   | 252.59                    | 2.978              |          |
| 19,000.0                                                                         | 12,650.0              | 19,233.1              | 12,860.0              | 131.1            | 133.4         | -106.61               | -7,454.6                            | 788.5        | 752.1                  | 496.5                   | 255.60                    | 2.943              |          |
| 19,100.0                                                                         | 12,650.0              | 19,333.1              | 12,860.0              | 132.6            | 134.9         | -106.61               | -7,554.6                            | 789.1        | 752.1                  | 493.5                   | 258.61                    | 2.908              |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #511H - Wellbore #1 - BLM Plan #2 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-MWD                                                            |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 19,200.0                                                                         | 12,650.0              | 19,433.1              | 12,860.0              | 134.2            | 136.5         | -106.61               | -7,654.6                            | 789.7        | 752.1                  | 490.5                   | 261.63                    | 2.875              |          |
| 19,300.0                                                                         | 12,650.0              | 19,533.1              | 12,860.0              | 135.8            | 138.0         | -106.61               | -7,754.6                            | 790.3        | 752.1                  | 487.5                   | 264.66                    | 2.842              |          |
| 19,400.0                                                                         | 12,650.0              | 19,633.1              | 12,860.0              | 137.3            | 139.6         | -106.61               | -7,854.6                            | 790.9        | 752.1                  | 484.4                   | 267.69                    | 2.810              |          |
| 19,500.0                                                                         | 12,650.0              | 19,733.1              | 12,860.0              | 138.9            | 141.1         | -106.61               | -7,954.6                            | 791.6        | 752.1                  | 481.4                   | 270.72                    | 2.778              |          |
| 19,600.0                                                                         | 12,650.0              | 19,833.1              | 12,860.0              | 140.5            | 142.7         | -106.61               | -8,054.6                            | 792.2        | 752.1                  | 478.4                   | 273.76                    | 2.747              |          |
| 19,700.0                                                                         | 12,650.0              | 19,933.1              | 12,860.0              | 142.1            | 144.3         | -106.61               | -8,154.6                            | 792.8        | 752.1                  | 475.3                   | 276.80                    | 2.717              |          |
| 19,800.0                                                                         | 12,650.0              | 20,033.1              | 12,860.0              | 143.6            | 145.8         | -106.61               | -8,254.6                            | 793.4        | 752.1                  | 472.3                   | 279.85                    | 2.688              |          |
| 19,900.0                                                                         | 12,650.0              | 20,133.1              | 12,860.0              | 145.2            | 147.4         | -106.61               | -8,354.6                            | 794.0        | 752.1                  | 469.2                   | 282.89                    | 2.659              |          |
| 20,000.0                                                                         | 12,650.0              | 20,233.1              | 12,860.0              | 146.8            | 148.9         | -106.61               | -8,454.6                            | 794.6        | 752.1                  | 466.2                   | 285.95                    | 2.630              |          |
| 20,100.0                                                                         | 12,650.0              | 20,333.1              | 12,860.0              | 148.4            | 150.5         | -106.61               | -8,554.6                            | 795.2        | 752.1                  | 463.1                   | 289.00                    | 2.602              |          |
| 20,200.0                                                                         | 12,650.0              | 20,433.1              | 12,860.0              | 150.0            | 152.1         | -106.61               | -8,654.6                            | 795.8        | 752.1                  | 460.0                   | 292.06                    | 2.575              |          |
| 20,300.0                                                                         | 12,650.0              | 20,533.1              | 12,860.0              | 151.6            | 153.7         | -106.61               | -8,754.6                            | 796.4        | 752.1                  | 457.0                   | 295.12                    | 2.548              |          |
| 20,400.0                                                                         | 12,650.0              | 20,633.1              | 12,860.0              | 153.2            | 155.2         | -106.61               | -8,854.6                            | 797.1        | 752.1                  | 453.9                   | 298.19                    | 2.522              |          |
| 20,500.0                                                                         | 12,650.0              | 20,733.1              | 12,860.0              | 154.7            | 156.8         | -106.61               | -8,954.6                            | 797.7        | 752.1                  | 450.8                   | 301.26                    | 2.496              |          |
| 20,600.0                                                                         | 12,650.0              | 20,833.1              | 12,860.0              | 156.3            | 158.4         | -106.61               | -9,054.6                            | 798.3        | 752.1                  | 447.7                   | 304.33                    | 2.471              |          |
| 20,700.0                                                                         | 12,650.0              | 20,933.1              | 12,860.0              | 157.9            | 160.0         | -106.61               | -9,154.6                            | 798.9        | 752.1                  | 444.7                   | 307.40                    | 2.447              |          |
| 20,800.0                                                                         | 12,650.0              | 21,033.1              | 12,860.0              | 159.5            | 161.5         | -106.61               | -9,254.6                            | 799.5        | 752.1                  | 441.6                   | 310.48                    | 2.422              |          |
| 20,900.0                                                                         | 12,650.0              | 21,133.1              | 12,860.0              | 161.1            | 163.1         | -106.61               | -9,354.6                            | 800.1        | 752.1                  | 438.5                   | 313.56                    | 2.398              |          |
| 21,000.0                                                                         | 12,650.0              | 21,233.1              | 12,860.0              | 162.7            | 164.7         | -106.61               | -9,454.6                            | 800.7        | 752.0                  | 435.4                   | 316.64                    | 2.375              |          |
| 21,100.0                                                                         | 12,650.0              | 21,333.1              | 12,860.0              | 164.3            | 166.3         | -106.61               | -9,554.6                            | 801.3        | 752.0                  | 432.3                   | 319.73                    | 2.352              |          |
| 21,200.0                                                                         | 12,650.0              | 21,433.1              | 12,860.0              | 165.9            | 167.9         | -106.61               | -9,654.6                            | 801.9        | 752.0                  | 429.2                   | 322.81                    | 2.330              |          |
| 21,300.0                                                                         | 12,650.0              | 21,533.1              | 12,860.0              | 167.5            | 169.5         | -106.61               | -9,754.6                            | 802.6        | 752.0                  | 426.1                   | 325.90                    | 2.308              |          |
| 21,400.0                                                                         | 12,650.0              | 21,633.1              | 12,860.0              | 169.1            | 171.0         | -106.61               | -9,854.6                            | 803.2        | 752.0                  | 423.0                   | 328.99                    | 2.286              |          |
| 21,500.0                                                                         | 12,650.0              | 21,733.1              | 12,860.0              | 170.7            | 172.6         | -106.61               | -9,954.6                            | 803.8        | 752.0                  | 419.9                   | 332.09                    | 2.265              |          |
| 21,600.0                                                                         | 12,650.0              | 21,833.1              | 12,860.0              | 172.3            | 174.2         | -106.61               | -10,054.6                           | 804.4        | 752.0                  | 416.8                   | 335.18                    | 2.244              |          |
| 21,700.0                                                                         | 12,650.0              | 21,933.1              | 12,860.0              | 173.9            | 175.8         | -106.61               | -10,154.6                           | 805.0        | 752.0                  | 413.7                   | 338.28                    | 2.223              |          |
| 21,800.0                                                                         | 12,650.0              | 22,033.1              | 12,860.0              | 175.5            | 177.4         | -106.61               | -10,254.6                           | 805.6        | 752.0                  | 410.6                   | 341.38                    | 2.203              |          |
| 21,900.0                                                                         | 12,650.0              | 22,133.1              | 12,860.0              | 177.1            | 179.0         | -106.61               | -10,354.6                           | 806.2        | 752.0                  | 407.5                   | 344.49                    | 2.183              |          |
| 22,000.0                                                                         | 12,650.0              | 22,233.1              | 12,860.0              | 178.7            | 180.6         | -106.61               | -10,454.6                           | 806.8        | 752.0                  | 404.4                   | 347.59                    | 2.163              |          |
| 22,100.0                                                                         | 12,650.0              | 22,333.1              | 12,860.0              | 180.3            | 182.2         | -106.61               | -10,554.6                           | 807.4        | 752.0                  | 401.3                   | 350.70                    | 2.144              |          |
| 22,200.0                                                                         | 12,650.0              | 22,433.1              | 12,860.0              | 182.0            | 183.8         | -106.61               | -10,654.6                           | 808.1        | 752.0                  | 398.2                   | 353.80                    | 2.125              |          |
| 22,300.0                                                                         | 12,650.0              | 22,533.1              | 12,860.0              | 183.6            | 185.4         | -106.61               | -10,754.6                           | 808.7        | 752.0                  | 395.1                   | 356.91                    | 2.107              |          |
| 22,400.0                                                                         | 12,650.0              | 22,633.1              | 12,860.0              | 185.2            | 187.0         | -106.61               | -10,854.6                           | 809.3        | 752.0                  | 392.0                   | 360.03                    | 2.089              |          |
| 22,500.0                                                                         | 12,650.0              | 22,733.1              | 12,860.0              | 186.8            | 188.6         | -106.61               | -10,954.6                           | 809.9        | 752.0                  | 388.8                   | 363.14                    | 2.071              |          |
| 22,600.0                                                                         | 12,650.0              | 22,833.1              | 12,860.0              | 188.4            | 190.2         | -106.61               | -11,054.6                           | 810.5        | 752.0                  | 385.7                   | 366.25                    | 2.053              |          |
| 22,700.0                                                                         | 12,650.0              | 22,933.1              | 12,860.0              | 190.0            | 191.8         | -106.61               | -11,154.6                           | 811.1        | 752.0                  | 382.6                   | 369.37                    | 2.036              |          |
| 22,800.0                                                                         | 12,650.0              | 23,033.1              | 12,860.0              | 191.6            | 193.4         | -106.61               | -11,254.6                           | 811.7        | 752.0                  | 379.5                   | 372.49                    | 2.019              |          |
| 22,882.2                                                                         | 12,650.0              | 23,115.3              | 12,860.0              | 193.0            | 194.7         | -106.61               | -11,336.7                           | 812.2        | 752.0                  | 376.9                   | 375.05                    | 2.005              |          |
| 22,884.1                                                                         | 12,650.0              | 23,115.6              | 12,860.0              | 193.0            | 194.7         | -106.61               | -11,337.1                           | 812.2        | 752.0                  | 376.9                   | 375.06                    | 2.005 ES, SF       |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #513H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 148-MWD                                                    |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 0.0                                                                        | 0.0                   | 0.0                   | 0.0                   | 0.0              | 0.0           | 72.17                 | 35.2                                | 109.5        | 115.1                  |                         |                           |                    |          |
| 100.0                                                                      | 100.0                 | 98.6                  | 98.6                  | 0.1              | 0.2           | 72.07                 | 35.6                                | 110.1        | 115.7                  | 115.4                   | 0.28                      | 406.164            |          |
| 200.0                                                                      | 200.0                 | 198.5                 | 198.5                 | 0.5              | 0.4           | 71.76                 | 36.7                                | 111.3        | 117.2                  | 116.3                   | 0.89                      | 132.012            |          |
| 300.0                                                                      | 300.0                 | 299.1                 | 299.1                 | 0.8              | 0.8           | 71.30                 | 37.9                                | 111.9        | 118.1                  | 116.5                   | 1.60                      | 73.718             |          |
| 400.0                                                                      | 400.0                 | 399.0                 | 399.0                 | 1.2              | 1.1           | 70.85                 | 39.0                                | 112.3        | 118.9                  | 116.6                   | 2.32                      | 51.319             |          |
| 500.0                                                                      | 500.0                 | 500.0                 | 500.0                 | 1.6              | 1.5           | 70.31                 | 40.3                                | 112.5        | 119.5                  | 116.5                   | 3.04                      | 39.369             |          |
| 600.0                                                                      | 600.0                 | 600.7                 | 600.7                 | 1.9              | 1.8           | 69.79                 | 41.2                                | 111.8        | 119.2                  | 115.4                   | 3.75                      | 31.800             |          |
| 700.0                                                                      | 700.0                 | 700.3                 | 700.3                 | 2.3              | 2.2           | 69.60                 | 41.4                                | 111.3        | 118.7                  | 114.3                   | 4.45                      | 26.699             |          |
| 800.0                                                                      | 800.0                 | 801.2                 | 801.2                 | 2.6              | 2.5           | 69.63                 | 41.1                                | 110.7        | 118.1                  | 112.9                   | 5.15                      | 22.925             |          |
| 900.0                                                                      | 900.0                 | 901.2                 | 901.2                 | 3.0              | 2.9           | 69.77                 | 40.5                                | 109.8        | 117.0                  | 111.2                   | 5.85                      | 19.997             |          |
| 1,000.0                                                                    | 1,000.0               | 1,001.2               | 1,001.1               | 3.4              | 3.2           | 70.00                 | 39.7                                | 109.2        | 116.2                  | 109.6                   | 6.56                      | 17.720             |          |
| 1,100.0                                                                    | 1,100.0               | 1,102.1               | 1,102.0               | 3.7              | 3.6           | 70.13                 | 39.0                                | 108.0        | 114.9                  | 107.6                   | 7.27                      | 15.806             |          |
| 1,200.0                                                                    | 1,200.0               | 1,202.4               | 1,202.3               | 4.1              | 3.9           | 70.16                 | 38.3                                | 106.1        | 112.8                  | 104.8                   | 7.98                      | 14.141             |          |
| 1,300.0                                                                    | 1,300.0               | 1,301.5               | 1,301.4               | 4.4              | 4.3           | 70.23                 | 37.6                                | 104.5        | 111.1                  | 102.4                   | 8.69                      | 12.788             |          |
| 1,400.0                                                                    | 1,400.0               | 1,400.8               | 1,400.7               | 4.8              | 4.6           | 70.41                 | 36.9                                | 103.8        | 110.2                  | 100.8                   | 9.39                      | 11.728             |          |
| 1,500.0                                                                    | 1,500.0               | 1,501.2               | 1,501.0               | 5.1              | 5.0           | 70.62                 | 36.3                                | 103.2        | 109.4                  | 99.3                    | 10.11                     | 10.826             |          |
| 1,600.0                                                                    | 1,600.0               | 1,600.3               | 1,600.1               | 5.5              | 5.3           | 70.86                 | 35.7                                | 102.8        | 108.9                  | 98.0                    | 10.81                     | 10.068             |          |
| 1,609.2                                                                    | 1,609.2               | 1,609.3               | 1,609.2               | 5.5              | 5.3           | 70.88                 | 35.7                                | 102.8        | 108.8                  | 98.0                    | 10.88                     | 10.009 CC          |          |
| 1,700.0                                                                    | 1,700.0               | 1,698.7               | 1,698.6               | 5.9              | 5.6           | 71.03                 | 35.6                                | 103.5        | 109.4                  | 97.9                    | 11.51                     | 9.508              |          |
| 1,800.0                                                                    | 1,800.0               | 1,796.7               | 1,796.6               | 6.2              | 6.0           | 71.49                 | 35.4                                | 105.9        | 111.7                  | 99.5                    | 12.20                     | 9.158              |          |
| 1,900.0                                                                    | 1,900.0               | 1,896.8               | 1,896.6               | 6.6              | 6.3           | 72.81                 | 33.9                                | 109.6        | 114.8                  | 101.9                   | 12.90                     | 8.901              |          |
| 2,000.0                                                                    | 2,000.0               | 1,998.2               | 1,997.9               | 6.9              | 6.7           | 74.99                 | 30.3                                | 113.1        | 117.1                  | 103.5                   | 13.61                     | 8.603              |          |
| 2,100.0                                                                    | 2,100.0               | 2,098.7               | 2,098.2               | 7.3              | 7.0           | 77.44                 | 25.8                                | 115.9        | 118.8                  | 104.4                   | 14.32                     | 8.291              |          |
| 2,200.0                                                                    | 2,200.0               | 2,198.9               | 2,198.3               | 7.7              | 7.4           | 79.71                 | 21.5                                | 118.2        | 120.2                  | 105.2                   | 15.04                     | 7.994              |          |
| 2,300.0                                                                    | 2,300.0               | 2,298.8               | 2,298.1               | 8.0              | 7.7           | 81.40                 | 18.2                                | 120.3        | 121.7                  | 106.0                   | 15.75                     | 7.729              |          |
| 2,400.0                                                                    | 2,400.0               | 2,398.7               | 2,397.9               | 8.4              | 8.1           | 82.60                 | 15.9                                | 122.2        | 123.3                  | 106.8                   | 16.46                     | 7.490              |          |
| 2,500.0                                                                    | 2,500.0               | 2,499.0               | 2,498.2               | 8.7              | 8.4           | 83.78                 | 13.5                                | 124.3        | 125.1                  | 107.9                   | 17.17                     | 7.283              |          |
| 2,600.0                                                                    | 2,600.0               | 2,599.9               | 2,599.0               | 9.1              | 8.8           | 85.16                 | 10.6                                | 125.5        | 126.0                  | 108.1                   | 17.89                     | 7.044              |          |
| 2,700.0                                                                    | 2,700.0               | 2,699.9               | 2,699.0               | 9.4              | 9.2           | 86.60                 | 7.5                                 | 126.6        | 126.8                  | 108.2                   | 18.60                     | 6.817              |          |
| 2,800.0                                                                    | 2,800.0               | 2,799.6               | 2,798.6               | 9.8              | 9.5           | 87.96                 | 4.5                                 | 127.6        | 127.7                  | 108.4                   | 19.32                     | 6.611              |          |
| 2,900.0                                                                    | 2,900.0               | 2,899.5               | 2,898.5               | 10.2             | 9.9           | 89.08                 | 2.1                                 | 128.9        | 128.9                  | 108.8                   | 20.03                     | 6.434              |          |
| 3,000.0                                                                    | 3,000.0               | 2,999.0               | 2,997.9               | 10.5             | 10.2          | 90.06                 | -0.1                                | 130.1        | 130.2                  | 109.4                   | 20.74                     | 6.275              |          |
| 3,100.0                                                                    | 3,100.0               | 3,098.8               | 3,097.7               | 10.9             | 10.6          | 91.02                 | -2.3                                | 131.9        | 131.9                  | 110.4                   | 21.45                     | 6.148              |          |
| 3,200.0                                                                    | 3,200.0               | 3,198.9               | 3,197.8               | 11.2             | 10.9          | 92.25                 | -5.2                                | 133.5        | 133.6                  | 111.4                   | 22.17                     | 6.026              |          |
| 3,300.0                                                                    | 3,300.0               | 3,299.2               | 3,298.0               | 11.6             | 11.3          | 93.56                 | -8.4                                | 134.9        | 135.2                  | 112.3                   | 22.89                     | 5.906              |          |
| 3,400.0                                                                    | 3,400.0               | 3,399.9               | 3,398.7               | 12.0             | 11.7          | 94.68                 | -11.1                               | 135.9        | 136.4                  | 112.8                   | 23.61                     | 5.778              |          |
| 3,500.0                                                                    | 3,500.0               | 3,499.7               | 3,498.4               | 12.3             | 12.0          | 95.72                 | -13.7                               | 136.7        | 137.4                  | 113.1                   | 24.32                     | 5.649              |          |
| 3,600.0                                                                    | 3,600.0               | 3,599.5               | 3,598.2               | 12.7             | 12.4          | 96.77                 | -16.3                               | 137.7        | 138.7                  | 113.7                   | 25.04                     | 5.540              |          |
| 3,700.0                                                                    | 3,700.0               | 3,699.5               | 3,698.2               | 13.0             | 12.7          | 97.59                 | -18.5                               | 138.8        | 140.0                  | 114.2                   | 25.75                     | 5.436              |          |
| 3,800.0                                                                    | 3,800.0               | 3,800.3               | 3,799.0               | 13.4             | 13.1          | 98.28                 | -20.3                               | 139.5        | 141.0                  | 114.5                   | 26.47                     | 5.327              |          |
| 3,900.0                                                                    | 3,900.0               | 3,898.8               | 3,897.4               | 13.7             | 13.4          | 9.51                  | -23.2                               | 140.4        | 140.6                  | 113.4                   | 27.17                     | 5.175              |          |
| 4,000.0                                                                    | 3,999.8               | 3,998.9               | 3,997.4               | 14.1             | 13.8          | 11.61                 | -27.6                               | 141.4        | 137.2                  | 109.4                   | 27.87                     | 4.924              |          |
| 4,100.0                                                                    | 4,099.6               | 4,098.9               | 4,097.3               | 14.4             | 14.2          | 14.19                 | -32.4                               | 142.1        | 132.2                  | 103.6                   | 28.57                     | 4.627              |          |
| 4,200.0                                                                    | 4,199.4               | 4,199.1               | 4,197.4               | 14.8             | 14.5          | 16.95                 | -36.9                               | 142.3        | 126.9                  | 97.6                    | 29.27                     | 4.334              |          |
| 4,300.0                                                                    | 4,299.1               | 4,296.7               | 4,294.9               | 15.1             | 14.9          | 19.51                 | -41.0                               | 143.7        | 122.9                  | 92.9                    | 29.96                     | 4.103              |          |
| 4,400.0                                                                    | 4,398.9               | 4,396.7               | 4,394.8               | 15.5             | 15.2          | 22.00                 | -44.9                               | 145.9        | 119.8                  | 89.1                    | 30.66                     | 3.907              |          |
| 4,500.0                                                                    | 4,498.6               | 4,497.2               | 4,495.2               | 15.8             | 15.6          | 24.29                 | -47.9                               | 148.1        | 116.6                  | 85.2                    | 31.36                     | 3.717              |          |
| 4,600.0                                                                    | 4,598.5               | 4,597.8               | 4,595.8               | 16.2             | 16.0          | 26.30                 | -50.5                               | 149.7        | 114.1                  | 82.0                    | 32.07                     | 3.557              |          |
| 4,677.7                                                                    | 4,676.1               | 4,675.8               | 4,673.7               | 16.4             | 16.3          | 27.52                 | -52.4                               | 150.7        | 113.4                  | 80.8                    | 32.62                     | 3.477              |          |
| 4,700.0                                                                    | 4,698.4               | 4,698.1               | 4,696.1               | 16.5             | 16.3          | 27.79                 | -52.9                               | 151.0        | 113.5                  | 80.7                    | 32.78                     | 3.463 ES           |          |
| 4,766.7                                                                    | 4,765.1               | 4,764.8               | 4,762.8               | 16.8             | 16.6          | 118.30                | -54.2                               | 151.8        | 114.4                  | 81.1                    | 33.25                     | 3.439              |          |
| 4,800.0                                                                    | 4,798.4               | 4,798.3               | 4,796.2               | 16.9             | 16.7          | 118.43                | -54.7                               | 152.3        | 115.0                  | 81.5                    | 33.49                     | 3.434              |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #513H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 148-MWD                                                    |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 4,900.0                                                                    | 4,898.4               | 4,897.7               | 4,895.6               | 17.2             | 17.0          | 118.63                | -56.0                               | 153.7        | 116.9                  | 82.7                    | 34.20                     | 3.418              |          |
| 5,000.0                                                                    | 4,998.4               | 4,997.1               | 4,994.9               | 17.6             | 17.4          | 118.91                | -57.9                               | 156.0        | 119.8                  | 84.9                    | 34.91                     | 3.431              |          |
| 5,100.0                                                                    | 5,098.4               | 5,097.6               | 5,095.4               | 17.9             | 17.8          | 119.21                | -59.7                               | 158.0        | 122.4                  | 86.8                    | 35.62                     | 3.436              |          |
| 5,200.0                                                                    | 5,198.4               | 5,197.6               | 5,195.4               | 18.3             | 18.1          | 119.43                | -61.3                               | 159.8        | 124.8                  | 88.4                    | 36.34                     | 3.434              |          |
| 5,300.0                                                                    | 5,298.4               | 5,297.8               | 5,295.6               | 18.7             | 18.5          | 119.57                | -62.8                               | 161.7        | 127.2                  | 90.1                    | 37.05                     | 3.432              |          |
| 5,400.0                                                                    | 5,398.4               | 5,398.4               | 5,396.1               | 19.0             | 18.8          | 119.72                | -64.0                               | 163.3        | 129.2                  | 91.4                    | 37.77                     | 3.420              |          |
| 5,500.0                                                                    | 5,498.4               | 5,498.3               | 5,496.0               | 19.4             | 19.2          | 119.96                | -65.3                               | 164.5        | 130.9                  | 92.4                    | 38.48                     | 3.401              |          |
| 5,600.0                                                                    | 5,598.4               | 5,598.6               | 5,596.3               | 19.7             | 19.6          | 119.97                | -66.3                               | 166.1        | 132.7                  | 93.5                    | 39.20                     | 3.385              |          |
| 5,700.0                                                                    | 5,698.4               | 5,695.7               | 5,693.3               | 20.1             | 19.9          | 120.14                | -67.7                               | 167.8        | 134.9                  | 95.1                    | 39.89                     | 3.383 SF           |          |
| 5,766.7                                                                    | 5,765.1               | 5,759.9               | 5,757.4               | 20.3             | 20.1          | 120.82                | -70.7                               | 169.6        | 138.1                  | 97.8                    | 40.33                     | 3.424              |          |
| 5,800.0                                                                    | 5,798.4               | 5,792.2               | 5,789.7               | 20.4             | 20.3          | -57.11                | -72.5                               | 170.7        | 140.0                  | 99.4                    | 40.55                     | 3.452              |          |
| 5,900.0                                                                    | 5,898.4               | 5,889.2               | 5,886.3               | 20.8             | 20.6          | -56.38                | -79.6                               | 174.6        | 145.6                  | 104.4                   | 41.18                     | 3.536              |          |
| 6,000.0                                                                    | 5,998.1               | 5,985.9               | 5,982.5               | 21.1             | 21.0          | -56.19                | -88.9                               | 179.4        | 151.4                  | 109.6                   | 41.79                     | 3.622              |          |
| 6,100.0                                                                    | 6,097.7               | 6,081.3               | 6,077.0               | 21.4             | 21.3          | -56.68                | -100.0                              | 185.5        | 157.5                  | 115.2                   | 42.34                     | 3.721              |          |
| 6,200.0                                                                    | 6,196.8               | 6,176.6               | 6,171.1               | 21.8             | 21.7          | -57.92                | -113.0                              | 193.8        | 164.8                  | 121.9                   | 42.89                     | 3.843              |          |
| 6,229.5                                                                    | 6,225.9               | 6,204.7               | 6,198.8               | 21.8             | 21.8          | -58.35                | -117.3                              | 196.5        | 167.1                  | 124.1                   | 43.05                     | 3.882              |          |
| 6,300.0                                                                    | 6,295.5               | 6,271.1               | 6,263.8               | 22.1             | 22.1          | -59.22                | -128.6                              | 203.3        | 173.5                  | 130.1                   | 43.39                     | 3.999              |          |
| 6,400.0                                                                    | 6,394.2               | 6,368.5               | 6,358.7               | 22.4             | 22.5          | -59.90                | -147.4                              | 214.2        | 184.6                  | 140.6                   | 44.01                     | 4.195              |          |
| 6,500.0                                                                    | 6,492.9               | 6,469.1               | 6,456.8               | 22.7             | 22.9          | -60.51                | -167.0                              | 225.5        | 195.8                  | 151.0                   | 44.79                     | 4.371              |          |
| 6,600.0                                                                    | 6,591.6               | 6,568.6               | 6,554.0               | 23.1             | 23.3          | -61.34                | -185.1                              | 236.7        | 206.4                  | 160.9                   | 45.52                     | 4.534              |          |
| 6,700.0                                                                    | 6,690.3               | 6,667.3               | 6,650.4               | 23.4             | 23.7          | -62.24                | -202.7                              | 248.2        | 217.2                  | 171.0                   | 46.23                     | 4.699              |          |
| 6,800.0                                                                    | 6,789.0               | 6,761.2               | 6,741.9               | 23.8             | 24.1          | -62.81                | -220.6                              | 259.8        | 229.3                  | 182.6                   | 46.76                     | 4.904              |          |
| 6,900.0                                                                    | 6,887.7               | 6,853.0               | 6,830.4               | 24.1             | 24.5          | -62.82                | -240.9                              | 272.6        | 244.2                  | 197.0                   | 47.20                     | 5.175              |          |
| 7,000.0                                                                    | 6,986.4               | 6,938.8               | 6,912.0               | 24.5             | 24.9          | -62.22                | -263.6                              | 286.2        | 262.8                  | 215.5                   | 47.34                     | 5.552              |          |
| 7,100.0                                                                    | 7,085.1               | 7,027.3               | 6,994.4               | 24.8             | 25.3          | -61.00                | -291.6                              | 302.4        | 286.1                  | 238.5                   | 47.58                     | 6.013              |          |
| 7,200.0                                                                    | 7,183.8               | 7,120.3               | 7,080.0               | 25.2             | 25.8          | -59.47                | -323.6                              | 319.8        | 311.3                  | 263.3                   | 48.04                     | 6.480              |          |
| 7,300.0                                                                    | 7,282.5               | 7,216.9               | 7,168.1               | 25.6             | 26.2          | -57.65                | -359.3                              | 337.0        | 337.3                  | 288.7                   | 48.68                     | 6.930              |          |
| 7,400.0                                                                    | 7,381.2               | 7,318.8               | 7,261.5               | 25.9             | 26.8          | -56.11                | -396.0                              | 354.7        | 362.8                  | 313.2                   | 49.57                     | 7.318              |          |
| 7,500.0                                                                    | 7,479.8               | 7,412.8               | 7,348.1               | 26.3             | 27.3          | -54.99                | -428.8                              | 370.7        | 387.3                  | 337.2                   | 50.14                     | 7.725              |          |
| 7,600.0                                                                    | 7,578.5               | 7,507.0               | 7,434.4               | 26.7             | 27.8          | -53.94                | -462.6                              | 387.4        | 413.4                  | 362.6                   | 50.73                     | 8.149              |          |
| 7,700.0                                                                    | 7,677.2               | 7,613.2               | 7,532.3               | 27.0             | 28.4          | -53.09                | -499.2                              | 406.5        | 438.7                  | 386.9                   | 51.80                     | 8.470              |          |
| 7,800.0                                                                    | 7,775.9               | 7,702.3               | 7,614.8               | 27.4             | 28.8          | -52.49                | -529.1                              | 421.7        | 463.0                  | 410.7                   | 52.23                     | 8.863              |          |
| 7,900.0                                                                    | 7,874.6               | 7,795.9               | 7,700.3               | 27.8             | 29.4          | -51.62                | -563.6                              | 438.0        | 489.5                  | 436.7                   | 52.83                     | 9.266              |          |
| 8,000.0                                                                    | 7,973.3               | 7,907.7               | 7,803.2               | 28.2             | 30.0          | -50.84                | -602.9                              | 456.9        | 514.7                  | 460.7                   | 54.06                     | 9.521              |          |
| 8,100.0                                                                    | 8,072.0               | 7,999.7               | 7,888.6               | 28.6             | 30.5          | -50.35                | -633.7                              | 471.7        | 538.3                  | 483.7                   | 54.64                     | 9.852              |          |
| 8,200.0                                                                    | 8,170.7               | 8,097.3               | 7,978.4               | 28.9             | 31.1          | -49.64                | -668.7                              | 487.0        | 563.0                  | 507.6                   | 55.38                     | 10.165             |          |
| 8,300.0                                                                    | 8,269.4               | 8,214.4               | 8,087.2               | 29.3             | 31.8          | -49.01                | -708.4                              | 504.4        | 586.0                  | 529.3                   | 56.68                     | 10.337             |          |
| 8,400.0                                                                    | 8,368.1               | 8,321.7               | 8,188.1               | 29.7             | 32.4          | -48.68                | -741.5                              | 519.6        | 606.3                  | 548.6                   | 57.68                     | 10.511             |          |
| 8,500.0                                                                    | 8,466.8               | 8,438.0               | 8,298.7               | 30.1             | 33.0          | -48.62                | -773.6                              | 535.8        | 624.3                  | 565.4                   | 58.88                     | 10.603             |          |
| 8,600.0                                                                    | 8,565.5               | 8,544.5               | 8,400.8               | 30.5             | 33.6          | -48.71                | -800.4                              | 550.0        | 640.1                  | 580.3                   | 59.83                     | 10.700             |          |
| 8,700.0                                                                    | 8,664.2               | 8,650.1               | 8,502.4               | 30.9             | 34.1          | -48.88                | -825.7                              | 564.1        | 655.3                  | 594.5                   | 60.75                     | 10.787             |          |
| 8,800.0                                                                    | 8,762.9               | 8,802.8               | 8,650.8               | 31.3             | 34.9          | -49.37                | -856.4                              | 581.6        | 666.9                  | 604.5                   | 62.38                     | 10.691             |          |
| 8,900.0                                                                    | 8,861.6               | 8,920.5               | 8,766.8               | 31.7             | 35.4          | -49.91                | -874.6                              | 591.3        | 672.8                  | 609.4                   | 63.37                     | 10.617             |          |
| 9,000.0                                                                    | 8,960.3               | 9,048.9               | 8,894.0               | 32.1             | 36.0          | -50.62                | -889.7                              | 598.3        | 673.9                  | 609.6                   | 64.39                     | 10.467             |          |
| 9,100.0                                                                    | 9,059.0               | 9,163.5               | 9,008.1               | 32.5             | 36.4          | -51.31                | -900.7                              | 602.5        | 672.5                  | 607.2                   | 65.26                     | 10.305             |          |
| 9,200.0                                                                    | 9,157.7               | 9,277.9               | 9,122.1               | 32.9             | 36.8          | -52.15                | -908.9                              | 605.6        | 668.9                  | 602.8                   | 66.10                     | 10.120             |          |
| 9,300.0                                                                    | 9,256.4               | 9,384.0               | 9,228.0               | 33.3             | 37.2          | -53.04                | -914.5                              | 607.8        | 663.9                  | 596.9                   | 66.91                     | 9.921              |          |
| 9,400.0                                                                    | 9,355.1               | 9,494.0               | 9,337.9               | 33.7             | 37.6          | -54.01                | -919.5                              | 609.6        | 658.2                  | 590.5                   | 67.72                     | 9.720              |          |
| 9,500.0                                                                    | 9,453.8               | 9,618.7               | 9,462.5               | 34.1             | 38.0          | -55.26                | -921.5                              | 608.6        | 648.9                  | 580.5                   | 68.46                     | 9.479              |          |
| 9,600.0                                                                    | 9,552.5               | 9,718.3               | 9,562.1               | 34.5             | 38.3          | -56.34                | -921.5                              | 606.5        | 638.1                  | 568.8                   | 69.24                     | 9.215              |          |
| 9,700.0                                                                    | 9,651.2               | 9,817.4               | 9,661.2               | 34.9             | 38.6          | -57.57                | -920.7                              | 605.4        | 627.8                  | 557.8                   | 70.04                     | 8.964              |          |
| 9,800.0                                                                    | 9,749.9               | 9,890.8               | 9,734.5               | 35.3             | 38.8          | -58.16                | -923.9                              | 603.7        | 619.5                  | 548.6                   | 70.91                     | 8.736              |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #513H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 148-MWD                                                    |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 9,900.0                                                                    | 9,848.6               | 9,979.8               | 9,821.5               | 35.7             | 39.2          | -57.61                | -941.1                              | 597.7        | 614.9                  | 543.2                   | 71.67                     | 8.580              |          |
| 9,998.3                                                                    | 9,945.6               | 10,054.0              | 9,890.6               | 36.1             | 39.5          | -56.02                | -965.9                              | 587.2        | 612.1                  | 539.8                   | 72.28                     | 8.469              |          |
| 10,000.0                                                                   | 9,947.3               | 10,055.1              | 9,891.5               | 36.1             | 39.5          | -55.99                | -966.3                              | 587.1        | 612.1                  | 539.8                   | 72.28                     | 8.468              |          |
| 10,100.0                                                                   | 10,046.0              | 10,113.0              | 9,942.6               | 36.5             | 39.8          | -54.18                | -992.2                              | 578.3        | 615.8                  | 543.3                   | 72.52                     | 8.491              |          |
| 10,200.0                                                                   | 10,144.7              | 10,160.6              | 9,982.6               | 36.9             | 40.1          | -52.45                | -1,017.2                            | 572.1        | 627.7                  | 555.5                   | 72.19                     | 8.696              |          |
| 10,300.0                                                                   | 10,243.4              | 10,208.0              | 10,020.9              | 37.3             | 40.3          | -50.65                | -1,044.8                            | 567.8        | 648.5                  | 577.1                   | 71.36                     | 9.087              |          |
| 10,400.0                                                                   | 10,342.1              | 10,240.3              | 10,045.6              | 37.7             | 40.6          | -49.38                | -1,065.4                            | 566.0        | 678.2                  | 608.5                   | 69.70                     | 9.730              |          |
| 10,500.0                                                                   | 10,440.8              | 10,271.2              | 10,067.7              | 38.1             | 40.8          | -48.11                | -1,087.0                            | 565.2        | 716.9                  | 649.3                   | 67.62                     | 10.601             |          |
| 10,600.0                                                                   | 10,539.5              | 10,304.0              | 10,089.4              | 38.5             | 41.0          | -46.73                | -1,111.6                            | 565.4        | 763.7                  | 698.3                   | 65.45                     | 11.669             |          |
| 10,700.0                                                                   | 10,638.2              | 10,304.0              | 10,089.4              | 39.0             | 41.0          | -46.73                | -1,111.6                            | 565.4        | 818.3                  | 756.4                   | 61.94                     | 13.211             |          |
| 10,800.0                                                                   | 10,736.9              | 10,355.4              | 10,119.7              | 39.4             | 41.5          | -44.55                | -1,153.1                            | 566.8        | 877.0                  | 816.4                   | 60.62                     | 14.467             |          |
| 10,900.0                                                                   | 10,835.6              | 10,400.0              | 10,142.3              | 39.8             | 41.8          | -42.67                | -1,191.4                            | 568.8        | 942.2                  | 883.1                   | 59.15                     | 15.929             |          |
| 11,000.0                                                                   | 10,934.3              | 10,400.0              | 10,142.3              | 40.2             | 41.8          | -42.67                | -1,191.4                            | 568.8        | 1,010.6                | 954.4                   | 56.18                     | 17.988             |          |
| 11,100.0                                                                   | 11,033.0              | 10,400.0              | 10,142.3              | 40.6             | 41.8          | -42.67                | -1,191.4                            | 568.8        | 1,083.8                | 1,030.3                 | 53.48                     | 20.265             |          |
| 11,200.0                                                                   | 11,131.7              | 10,445.4              | 10,162.2              | 41.0             | 42.3          | -40.82                | -1,232.1                            | 571.6        | 1,158.6                | 1,105.9                 | 52.69                     | 21.991             |          |
| 11,300.0                                                                   | 11,230.4              | 10,464.6              | 10,169.8              | 41.4             | 42.4          | -40.07                | -1,249.7                            | 573.2        | 1,236.7                | 1,185.6                 | 51.15                     | 24.177             |          |
| 11,400.0                                                                   | 11,329.1              | 10,496.0              | 10,181.2              | 41.9             | 42.7          | -38.91                | -1,278.8                            | 576.0        | 1,317.3                | 1,267.1                 | 50.22                     | 26.229             |          |
| 11,500.0                                                                   | 11,427.8              | 10,496.0              | 10,181.2              | 42.3             | 42.7          | -38.91                | -1,278.8                            | 576.0        | 1,399.4                | 1,350.9                 | 48.47                     | 28.872             |          |
| 11,535.3                                                                   | 11,462.6              | 10,496.0              | 10,181.2              | 42.4             | 42.7          | -38.91                | -1,278.8                            | 576.0        | 1,428.9                | 1,381.0                 | 47.90                     | 29.829             |          |
| 11,600.0                                                                   | 11,526.5              | 10,496.0              | 10,181.2              | 42.7             | 42.7          | -39.90                | -1,278.8                            | 576.0        | 1,483.8                | 1,436.9                 | 46.94                     | 31.609             |          |
| 11,700.0                                                                   | 11,625.7              | 10,536.1              | 10,194.2              | 43.1             | 43.1          | -40.01                | -1,316.6                            | 580.1        | 1,569.7                | 1,523.0                 | 46.78                     | 33.556             |          |
| 11,800.0                                                                   | 11,725.1              | 10,551.2              | 10,198.6              | 43.5             | 43.2          | -41.24                | -1,330.9                            | 581.6        | 1,658.1                | 1,612.1                 | 46.05                     | 36.005             |          |
| 11,900.0                                                                   | 11,824.8              | 10,564.4              | 10,202.3              | 43.9             | 43.4          | -42.75                | -1,343.5                            | 582.9        | 1,748.3                | 1,702.9                 | 45.43                     | 38.484             |          |
| 12,000.0                                                                   | 11,924.7              | 10,592.0              | 10,209.5              | 44.2             | 43.6          | -43.79                | -1,370.0                            | 585.7        | 1,840.2                | 1,794.9                 | 45.30                     | 40.622             |          |
| 12,100.0                                                                   | 12,024.6              | 10,592.0              | 10,209.5              | 44.6             | 43.6          | -46.45                | -1,370.0                            | 585.7        | 1,933.1                | 1,888.5                 | 44.62                     | 43.323             |          |
| 12,152.4                                                                   | 12,077.0              | 10,592.0              | 10,209.5              | 44.7             | 43.6          | 130.29                | -1,370.0                            | 585.7        | 1,982.3                | 1,938.0                 | 44.32                     | 44.727             |          |
| 12,200.0                                                                   | 12,124.6              | 10,605.0              | 10,212.7              | 44.9             | 43.8          | -43.74                | -1,382.5                            | 587.0        | 2,026.8                | 1,982.4                 | 44.34                     | 45.710             |          |
| 12,250.0                                                                   | 12,174.2              | 10,635.9              | 10,220.5              | 45.1             | 44.1          | -35.80                | -1,412.2                            | 590.1        | 2,072.3                | 2,027.5                 | 44.71                     | 46.353             |          |
| 12,300.0                                                                   | 12,223.0              | 10,674.3              | 10,230.4              | 45.3             | 44.5          | -30.13                | -1,449.2                            | 594.0        | 2,116.0                | 2,070.9                 | 45.19                     | 46.822             |          |
| 12,350.0                                                                   | 12,270.7              | 12,350.0              | 10,233.6              | 45.6             | 61.5          | -26.36                | -1,460.8                            | 595.2        | 2,157.8                | 2,105.7                 | 52.10                     | 41.415             |          |
| 12,400.0                                                                   | 12,317.0              | 10,688.0              | 10,234.0              | 45.8             | 44.6          | -23.55                | -1,462.3                            | 595.3        | 2,197.8                | 2,153.1                 | 44.67                     | 49.201             |          |
| 12,450.0                                                                   | 12,361.4              | 10,688.0              | 10,234.0              | 46.1             | 44.6          | -21.33                | -1,462.3                            | 595.3        | 2,235.6                | 2,191.4                 | 44.24                     | 50.535             |          |
| 12,500.0                                                                   | 12,403.7              | 10,688.0              | 10,234.0              | 46.4             | 44.6          | -19.56                | -1,462.3                            | 595.3        | 2,271.2                | 2,227.4                 | 43.81                     | 51.847             |          |
| 12,550.0                                                                   | 12,443.5              | 10,725.3              | 10,242.8              | 46.7             | 45.0          | -18.09                | -1,498.4                            | 598.7        | 2,303.1                | 2,259.0                 | 44.10                     | 52.222             |          |
| 12,600.0                                                                   | 12,480.5              | 10,734.7              | 10,244.7              | 47.1             | 45.1          | -16.95                | -1,507.5                            | 599.5        | 2,333.1                | 2,289.2                 | 43.83                     | 53.225             |          |
| 12,650.0                                                                   | 12,514.4              | 10,744.4              | 10,246.5              | 47.4             | 45.2          | -16.03                | -1,517.1                            | 600.2        | 2,360.1                | 2,316.6                 | 43.57                     | 54.163             |          |
| 12,700.0                                                                   | 12,545.0              | 10,784.0              | 10,252.4              | 47.8             | 45.6          | -15.30                | -1,556.1                            | 602.7        | 2,385.0                | 2,341.2                 | 43.85                     | 54.395             |          |
| 12,750.0                                                                   | 12,572.0              | 10,784.0              | 10,252.4              | 48.1             | 45.6          | -14.72                | -1,556.1                            | 602.7        | 2,405.5                | 2,362.1                 | 43.42                     | 55.401             |          |
| 12,800.0                                                                   | 12,595.3              | 10,784.0              | 10,252.4              | 48.5             | 45.6          | -14.25                | -1,556.1                            | 602.7        | 2,423.0                | 2,379.9                 | 43.02                     | 56.316             |          |
| 12,850.0                                                                   | 12,614.6              | 10,784.0              | 10,252.4              | 48.9             | 45.6          | -13.88                | -1,556.1                            | 602.7        | 2,437.4                | 2,394.7                 | 42.67                     | 57.128             |          |
| 12,900.0                                                                   | 12,629.8              | 10,825.3              | 10,257.2              | 49.3             | 46.0          | -13.69                | -1,597.2                            | 604.8        | 2,448.1                | 2,405.2                 | 42.97                     | 56.971             |          |
| 12,950.0                                                                   | 12,640.8              | 10,860.0              | 10,260.9              | 49.7             | 46.3          | -13.60                | -1,631.6                            | 606.6        | 2,455.1                | 2,411.9                 | 43.18                     | 56.850             |          |
| 13,000.0                                                                   | 12,647.6              | 10,879.0              | 10,262.8              | 50.1             | 46.5          | -13.57                | -1,650.4                            | 607.5        | 2,458.1                | 2,414.9                 | 43.18                     | 56.924             |          |
| 13,052.4                                                                   | 12,650.0              | 10,908.1              | 10,265.4              | 50.5             | 46.8          | -13.66                | -1,679.5                            | 608.6        | 2,457.3                | 2,414.0                 | 43.34                     | 56.695             |          |
| 13,100.0                                                                   | 12,650.0              | 10,926.6              | 10,266.7              | 50.9             | 47.0          | -13.66                | -1,697.9                            | 609.1        | 2,455.0                | 2,411.7                 | 43.39                     | 56.584             |          |
| 13,200.0                                                                   | 12,650.0              | 10,975.0              | 10,268.8              | 51.8             | 47.5          | -13.64                | -1,746.2                            | 609.4        | 2,451.5                | 2,407.9                 | 43.60                     | 56.228             |          |
| 13,267.5                                                                   | 12,650.0              | 11,015.8              | 10,269.9              | 52.4             | 48.0          | -13.62                | -1,786.9                            | 609.3        | 2,449.7                | 2,405.9                 | 43.84                     | 55.882             |          |
| 13,300.0                                                                   | 12,650.0              | 13,300.0              | 10,273.8              | 52.7             | 73.6          | -13.67                | -1,882.9                            | 611.2        | 2,448.7                | 2,392.3                 | 56.39                     | 43.427             |          |
| 13,400.0                                                                   | 12,650.0              | 11,278.0              | 10,287.4              | 53.6             | 50.9          | -13.88                | -2,048.3                            | 618.3        | 2,441.3                | 2,394.4                 | 46.86                     | 52.099             |          |
| 13,500.0                                                                   | 12,650.0              | 11,353.8              | 10,293.8              | 54.6             | 51.8          | -13.98                | -2,123.8                            | 621.5        | 2,433.9                | 2,386.3                 | 47.54                     | 51.201             |          |
| 13,600.0                                                                   | 12,650.0              | 11,409.2              | 10,297.7              | 55.6             | 52.5          | -14.04                | -2,179.0                            | 623.6        | 2,427.8                | 2,379.9                 | 47.96                     | 50.624             |          |
| 13,700.0                                                                   | 12,650.0              | 11,474.0              | 10,300.9              | 56.6             | 53.2          | -14.10                | -2,243.7                            | 625.7        | 2,423.7                | 2,375.1                 | 48.56                     | 49.914             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #513H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 148-MWD                                                    |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 13,800.0                                                                   | 12,650.0              | 11,573.1              | 10,305.7              | 57.6             | 54.5          | -14.20                | -2,342.6                            | 629.4        | 2,419.7                | 2,370.0                 | 49.67                     | 48.714             |          |
| 13,900.0                                                                   | 12,650.0              | 11,641.0              | 10,307.6              | 58.7             | 55.3          | -14.22                | -2,410.5                            | 630.2        | 2,417.0                | 2,366.7                 | 50.36                     | 47.995             |          |
| 14,000.0                                                                   | 12,650.0              | 11,716.5              | 10,308.5              | 59.8             | 56.2          | -14.21                | -2,486.0                            | 629.9        | 2,415.5                | 2,364.4                 | 51.15                     | 47.225             |          |
| 14,100.0                                                                   | 12,650.0              | 11,859.2              | 10,311.6              | 61.0             | 58.0          | -14.21                | -2,628.6                            | 630.0        | 2,413.3                | 2,360.5                 | 52.81                     | 45.700             |          |
| 14,200.0                                                                   | 12,650.0              | 11,967.3              | 10,314.6              | 62.1             | 59.4          | -14.18                | -2,736.7                            | 628.8        | 2,410.1                | 2,356.1                 | 54.05                     | 44.591             |          |
| 14,300.0                                                                   | 12,650.0              | 12,074.7              | 10,317.9              | 63.3             | 60.8          | -14.14                | -2,844.0                            | 626.8        | 2,406.6                | 2,351.3                 | 55.30                     | 43.520             |          |
| 14,400.0                                                                   | 12,650.0              | 14,400.0              | 10,323.4              | 64.5             | 91.8          | -14.13                | -2,971.9                            | 626.0        | 2,402.0                | 2,330.0                 | 72.05                     | 33.336             |          |
| 14,500.0                                                                   | 12,650.0              | 12,260.1              | 10,326.0              | 65.7             | 63.3          | -14.14                | -3,029.3                            | 625.9        | 2,397.7                | 2,340.2                 | 57.58                     | 41.643             |          |
| 14,600.0                                                                   | 12,650.0              | 12,325.0              | 10,327.2              | 67.0             | 64.1          | -14.15                | -3,094.1                            | 626.4        | 2,395.8                | 2,337.4                 | 58.41                     | 41.017             |          |
| 14,700.0                                                                   | 12,650.0              | 12,428.6              | 10,329.5              | 68.2             | 65.5          | -14.16                | -3,197.7                            | 626.8        | 2,393.5                | 2,333.8                 | 59.75                     | 40.058             |          |
| 14,800.0                                                                   | 12,650.0              | 12,499.5              | 10,329.8              | 69.5             | 66.5          | -14.12                | -3,268.5                            | 625.8        | 2,392.5                | 2,331.9                 | 60.66                     | 39.442             |          |
| 14,900.0                                                                   | 12,650.0              | 12,602.2              | 10,329.6              | 70.8             | 67.9          | -14.05                | -3,371.3                            | 623.2        | 2,391.9                | 2,330.0                 | 61.93                     | 38.622             |          |
| 15,000.0                                                                   | 12,650.0              | 12,716.9              | 10,329.8              | 72.1             | 69.5          | -13.97                | -3,485.9                            | 620.6        | 2,391.1                | 2,327.7                 | 63.37                     | 37.731             |          |
| 15,100.0                                                                   | 12,650.0              | 12,811.8              | 10,330.3              | 73.4             | 70.8          | -13.89                | -3,580.8                            | 617.4        | 2,389.6                | 2,325.1                 | 64.57                     | 37.010             |          |
| 15,200.0                                                                   | 12,650.0              | 12,892.8              | 10,330.1              | 74.8             | 71.9          | -13.82                | -3,661.7                            | 615.1        | 2,389.1                | 2,323.5                 | 65.62                     | 36.406             |          |
| 15,283.6                                                                   | 12,650.0              | 12,970.3              | 10,329.9              | 75.9             | 73.0          | -13.79                | -3,739.2                            | 614.3        | 2,388.9                | 2,322.3                 | 66.67                     | 35.832             |          |
| 15,300.0                                                                   | 12,650.0              | 12,982.8              | 10,329.9              | 76.1             | 73.2          | -13.79                | -3,751.7                            | 614.3        | 2,389.0                | 2,322.1                 | 66.85                     | 35.737             |          |
| 15,400.0                                                                   | 12,650.0              | 13,060.2              | 10,329.4              | 77.5             | 74.3          | -13.79                | -3,829.1                            | 614.9        | 2,389.6                | 2,321.6                 | 67.97                     | 35.158             |          |
| 15,500.0                                                                   | 12,650.0              | 13,149.3              | 10,328.8              | 78.8             | 75.6          | -13.85                | -3,918.1                            | 618.2        | 2,390.9                | 2,321.6                 | 69.33                     | 34.486             |          |
| 15,600.0                                                                   | 12,650.0              | 13,313.1              | 10,332.6              | 80.2             | 78.0          | -14.10                | -4,081.5                            | 628.9        | 2,389.5                | 2,317.6                 | 71.88                     | 33.244             |          |
| 15,700.0                                                                   | 12,650.0              | 13,447.5              | 10,336.4              | 81.6             | 80.0          | -14.28                | -4,215.5                            | 636.8        | 2,388.2                | 2,314.2                 | 74.00                     | 32.271             |          |
| 15,800.0                                                                   | 12,650.0              | 13,573.3              | 10,339.8              | 83.0             | 81.9          | -14.22                | -4,341.3                            | 633.9        | 2,384.7                | 2,309.0                 | 75.71                     | 31.497             |          |
| 15,900.0                                                                   | 12,650.0              | 13,666.1              | 10,342.4              | 84.4             | 83.2          | -14.18                | -4,434.0                            | 632.4        | 2,381.4                | 2,304.3                 | 77.05                     | 30.906             |          |
| 16,000.0                                                                   | 12,650.0              | 13,787.3              | 10,346.4              | 85.9             | 85.0          | -14.16                | -4,555.2                            | 631.0        | 2,377.8                | 2,299.0                 | 78.77                     | 30.186             |          |
| 16,100.0                                                                   | 12,650.0              | 13,885.4              | 10,350.4              | 87.3             | 86.5          | -14.15                | -4,653.2                            | 630.0        | 2,373.4                | 2,293.2                 | 80.23                     | 29.585             |          |
| 16,200.0                                                                   | 12,650.0              | 13,957.2              | 10,352.5              | 88.7             | 87.6          | -14.09                | -4,724.9                            | 627.8        | 2,369.8                | 2,288.5                 | 81.30                     | 29.149             |          |
| 16,300.0                                                                   | 12,650.0              | 14,024.3              | 10,353.4              | 90.2             | 88.6          | -14.05                | -4,792.0                            | 625.9        | 2,367.6                | 2,285.3                 | 82.32                     | 28.760             |          |
| 16,400.0                                                                   | 12,650.0              | 14,110.0              | 10,354.1              | 91.6             | 89.8          | -14.01                | -4,877.7                            | 624.8        | 2,366.4                | 2,282.8                 | 83.61                     | 28.303             |          |
| 16,500.0                                                                   | 12,650.0              | 14,244.3              | 10,356.4              | 93.1             | 91.9          | -14.03                | -5,012.0                            | 625.8        | 2,364.7                | 2,279.1                 | 85.60                     | 27.627             |          |
| 16,600.0                                                                   | 12,650.0              | 14,351.7              | 10,359.3              | 94.5             | 93.5          | -14.03                | -5,119.3                            | 625.9        | 2,362.0                | 2,274.8                 | 87.23                     | 27.079             |          |
| 16,700.0                                                                   | 12,650.0              | 14,434.2              | 10,360.3              | 96.0             | 94.7          | -13.93                | -5,201.7                            | 621.9        | 2,359.6                | 2,271.2                 | 88.40                     | 26.693             |          |
| 16,800.0                                                                   | 12,650.0              | 14,514.0              | 10,360.1              | 97.5             | 95.9          | -13.81                | -5,281.3                            | 617.2        | 2,358.1                | 2,268.6                 | 89.50                     | 26.349             |          |
| 16,900.0                                                                   | 12,650.0              | 14,604.0              | 10,359.8              | 99.0             | 97.3          | -13.68                | -5,371.2                            | 612.4        | 2,357.1                | 2,266.4                 | 90.73                     | 25.980             |          |
| 16,942.9                                                                   | 12,650.0              | 14,631.4              | 10,359.5              | 99.6             | 97.7          | -13.65                | -5,398.6                            | 611.2        | 2,357.0                | 2,265.8                 | 91.14                     | 25.861             |          |
| 17,000.0                                                                   | 12,650.0              | 14,667.8              | 10,358.9              | 100.5            | 98.3          | -13.60                | -5,434.9                            | 609.7        | 2,357.2                | 2,265.5                 | 91.69                     | 25.708             |          |
| 17,100.0                                                                   | 12,650.0              | 14,789.1              | 10,357.5              | 101.9            | 100.1         | -13.52                | -5,556.2                            | 607.1        | 2,357.8                | 2,264.4                 | 93.39                     | 25.247             |          |
| 17,101.9                                                                   | 12,650.0              | 14,790.5              | 10,357.5              | 102.0            | 100.1         | -13.52                | -5,557.5                            | 607.1        | 2,357.8                | 2,264.4                 | 93.41                     | 25.241             |          |
| 17,200.0                                                                   | 12,650.0              | 14,861.6              | 10,356.8              | 103.4            | 101.2         | -13.48                | -5,628.7                            | 606.4        | 2,358.4                | 2,263.8                 | 94.55                     | 24.944             |          |
| 17,300.0                                                                   | 12,650.0              | 15,025.1              | 10,358.2              | 104.9            | 103.7         | -13.44                | -5,792.2                            | 605.3        | 2,356.6                | 2,259.8                 | 96.85                     | 24.332             |          |
| 17,400.0                                                                   | 12,650.0              | 15,169.1              | 10,360.4              | 106.5            | 106.0         | -13.43                | -5,936.1                            | 605.3        | 2,355.4                | 2,256.4                 | 98.96                     | 23.801             |          |
| 17,500.0                                                                   | 12,650.0              | 15,326.5              | 10,367.5              | 108.0            | 108.4         | -13.40                | -6,093.4                            | 603.1        | 2,350.4                | 2,249.2                 | 101.19                    | 23.228             |          |
| 17,600.0                                                                   | 12,650.0              | 15,397.1              | 10,370.9              | 109.5            | 109.5         | -13.36                | -6,163.8                            | 601.0        | 2,344.9                | 2,242.6                 | 102.34                    | 22.913             |          |
| 17,700.0                                                                   | 12,650.0              | 15,459.6              | 10,372.8              | 111.0            | 110.5         | -13.32                | -6,226.3                            | 599.4        | 2,341.2                | 2,237.8                 | 103.40                    | 22.643             |          |
| 17,800.0                                                                   | 12,650.0              | 15,565.1              | 10,376.1              | 112.5            | 112.1         | -13.27                | -6,331.7                            | 597.3        | 2,337.6                | 2,232.6                 | 104.97                    | 22.269             |          |
| 17,900.0                                                                   | 12,650.0              | 15,613.9              | 10,376.9              | 114.1            | 112.9         | -13.26                | -6,380.5                            | 596.7        | 2,335.4                | 2,229.5                 | 105.89                    | 22.055             |          |
| 17,951.8                                                                   | 12,650.0              | 15,641.0              | 10,377.0              | 114.9            | 113.3         | -13.25                | -6,407.6                            | 596.6        | 2,335.2                | 2,228.8                 | 106.39                    | 21.950             |          |
| 18,000.0                                                                   | 12,650.0              | 15,676.9              | 10,376.8              | 115.6            | 113.9         | -13.25                | -6,443.5                            | 596.6        | 2,335.3                | 2,228.4                 | 106.98                    | 21.829             |          |
| 18,100.0                                                                   | 12,650.0              | 15,771.8              | 10,375.8              | 117.1            | 115.4         | -13.23                | -6,538.4                            | 596.6        | 2,336.2                | 2,227.7                 | 108.47                    | 21.537             |          |
| 18,200.0                                                                   | 12,650.0              | 15,882.1              | 10,375.4              | 118.7            | 117.1         | -13.21                | -6,648.7                            | 596.9        | 2,336.5                | 2,226.3                 | 110.18                    | 21.205             |          |
| 18,300.0                                                                   | 12,650.0              | 15,959.6              | 10,375.0              | 120.2            | 118.3         | -13.23                | -6,726.2                            | 597.9        | 2,337.1                | 2,225.6                 | 111.51                    | 20.959             |          |
| 18,400.0                                                                   | 12,650.0              | 16,024.0              | 10,373.9              | 121.8            | 119.3         | -13.25                | -6,790.5                            | 599.4        | 2,339.2                | 2,226.5                 | 112.67                    | 20.760             |          |
| 18,500.0                                                                   | 12,650.0              | 16,106.6              | 10,371.7              | 123.3            | 120.6         | -13.27                | -6,873.1                            | 601.6        | 2,342.3                | 2,228.2                 | 114.09                    | 20.530             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #513H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 148-MWD                                                    |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 18,600.0                                                                   | 12,650.0              | 16,171.7              | 10,369.1              | 124.9            | 121.7         | -13.28                | -6,938.1                            | 603.0        | 2,346.5                | 2,231.3                 | 115.24                    | 20.361             |          |
| 18,700.0                                                                   | 12,650.0              | 16,246.5              | 10,364.8              | 126.4            | 122.8         | -13.28                | -7,012.8                            | 604.3        | 2,352.2                | 2,235.8                 | 116.49                    | 20.192             |          |
| 18,800.0                                                                   | 12,650.0              | 16,372.4              | 10,357.6              | 128.0            | 124.8         | -13.26                | -7,138.5                            | 606.1        | 2,358.1                | 2,239.7                 | 118.44                    | 19.911             |          |
| 18,900.0                                                                   | 12,650.0              | 16,610.4              | 10,355.2              | 129.5            | 128.6         | -13.38                | -7,376.3                            | 613.1        | 2,358.9                | 2,236.9                 | 122.08                    | 19.322             |          |
| 19,000.0                                                                   | 12,650.0              | 16,708.9              | 10,356.7              | 131.1            | 130.2         | -13.46                | -7,474.8                            | 616.8        | 2,358.2                | 2,234.3                 | 123.84                    | 19.042             |          |
| 19,100.0                                                                   | 12,650.0              | 16,808.6              | 10,358.8              | 132.6            | 131.8         | -13.56                | -7,574.3                            | 621.3        | 2,357.0                | 2,231.4                 | 125.65                    | 18.758             |          |
| 19,141.5                                                                   | 12,650.0              | 16,831.5              | 10,359.1              | 133.3            | 132.2         | -13.59                | -7,597.1                            | 622.4        | 2,356.9                | 2,230.7                 | 126.15                    | 18.683             |          |
| 19,200.0                                                                   | 12,650.0              | 16,863.7              | 10,359.3              | 134.2            | 132.7         | -13.63                | -7,629.3                            | 624.2        | 2,357.2                | 2,230.3                 | 126.84                    | 18.584             |          |
| 19,300.0                                                                   | 12,650.0              | 16,938.7              | 10,358.6              | 135.8            | 133.9         | -13.70                | -7,704.2                            | 627.8        | 2,359.0                | 2,230.7                 | 128.28                    | 18.389             |          |
| 19,400.0                                                                   | 12,650.0              | 17,024.5              | 10,356.5              | 137.3            | 135.3         | -13.69                | -7,790.0                            | 628.6        | 2,361.5                | 2,231.7                 | 129.72                    | 18.204             |          |
| 19,500.0                                                                   | 12,650.0              | 17,119.2              | 10,353.6              | 138.9            | 136.8         | -13.68                | -7,884.6                            | 629.2        | 2,364.5                | 2,233.2                 | 131.25                    | 18.015             |          |
| 19,600.0                                                                   | 12,650.0              | 17,226.0              | 10,350.5              | 140.5            | 138.5         | -13.66                | -7,991.4                            | 629.8        | 2,367.3                | 2,234.3                 | 132.95                    | 17.806             |          |
| 19,700.0                                                                   | 12,650.0              | 17,348.6              | 10,347.8              | 142.1            | 140.4         | -13.67                | -8,113.9                            | 631.9        | 2,369.7                | 2,234.8                 | 134.92                    | 17.564             |          |
| 19,800.0                                                                   | 12,650.0              | 17,490.6              | 10,347.6              | 143.6            | 142.7         | -13.74                | -8,255.9                            | 635.7        | 2,370.2                | 2,233.0                 | 137.23                    | 17.271             |          |
| 19,900.0                                                                   | 12,650.0              | 17,651.0              | 10,350.2              | 145.2            | 145.3         | -13.87                | -8,416.1                            | 641.5        | 2,369.7                | 2,229.8                 | 139.87                    | 16.942             |          |
| 20,000.0                                                                   | 12,650.0              | 17,692.2              | 10,351.1              | 146.8            | 146.0         | -13.90                | -8,457.4                            | 642.6        | 2,368.1                | 2,227.3                 | 140.87                    | 16.811             |          |
| 20,002.8                                                                   | 12,650.0              | 17,693.2              | 10,351.1              | 146.9            | 146.0         | -13.90                | -8,458.3                            | 642.6        | 2,368.1                | 2,227.3                 | 140.89                    | 16.808             |          |
| 20,100.0                                                                   | 12,650.0              | 17,746.0              | 10,349.8              | 148.4            | 146.8         | -13.87                | -8,511.1                            | 642.3        | 2,369.7                | 2,227.8                 | 141.89                    | 16.702             |          |
| 20,200.0                                                                   | 12,650.0              | 17,841.7              | 10,345.9              | 150.0            | 148.3         | -13.78                | -8,606.6                            | 640.0        | 2,372.9                | 2,229.6                 | 143.29                    | 16.560             |          |
| 20,300.0                                                                   | 12,650.0              | 17,988.9              | 10,342.7              | 151.6            | 150.7         | -13.67                | -8,753.8                            | 636.7        | 2,374.5                | 2,229.2                 | 145.29                    | 16.343             |          |
| 20,400.0                                                                   | 12,650.0              | 18,132.0              | 10,343.6              | 153.2            | 153.0         | -13.59                | -8,896.9                            | 634.0        | 2,373.1                | 2,225.9                 | 147.30                    | 16.111             |          |
| 20,500.0                                                                   | 12,650.0              | 18,310.7              | 10,348.7              | 154.7            | 155.9         | -13.53                | -9,075.4                            | 631.6        | 2,370.0                | 2,220.3                 | 149.71                    | 15.831             |          |
| 20,600.0                                                                   | 12,650.0              | 18,381.6              | 10,351.8              | 156.3            | 157.0         | -13.51                | -9,146.3                            | 630.3        | 2,365.3                | 2,214.3                 | 151.00                    | 15.665             |          |
| 20,700.0                                                                   | 12,650.0              | 18,456.0              | 10,353.9              | 157.9            | 158.2         | -13.50                | -9,220.7                            | 629.9        | 2,362.2                | 2,209.9                 | 152.35                    | 15.505             |          |
| 20,800.0                                                                   | 12,650.0              | 18,539.0              | 10,355.9              | 159.5            | 159.5         | -13.49                | -9,303.7                            | 629.5        | 2,359.6                | 2,205.8                 | 153.79                    | 15.343             |          |
| 20,900.0                                                                   | 12,650.0              | 18,596.6              | 10,356.6              | 161.1            | 160.5         | -13.49                | -9,361.2                            | 629.6        | 2,358.5                | 2,203.6                 | 154.93                    | 15.223             |          |
| 20,921.1                                                                   | 12,650.0              | 18,613.0              | 10,356.5              | 161.5            | 160.7         | -13.49                | -9,377.6                            | 629.7        | 2,358.5                | 2,203.3                 | 155.22                    | 15.194             |          |
| 21,000.0                                                                   | 12,650.0              | 18,686.9              | 10,356.4              | 162.7            | 161.9         | -13.49                | -9,451.5                            | 630.2        | 2,358.7                | 2,202.2                 | 156.47                    | 15.074             |          |
| 21,100.0                                                                   | 12,650.0              | 18,766.7              | 10,356.1              | 164.3            | 163.2         | -13.50                | -9,531.3                            | 631.1        | 2,359.2                | 2,201.3                 | 157.89                    | 14.942             |          |
| 21,200.0                                                                   | 12,650.0              | 18,861.7              | 10,355.1              | 165.9            | 164.7         | -13.52                | -9,626.3                            | 633.1        | 2,360.5                | 2,201.0                 | 159.55                    | 14.795             |          |
| 21,300.0                                                                   | 12,650.0              | 18,960.9              | 10,354.4              | 167.5            | 166.3         | -13.56                | -9,725.5                            | 635.5        | 2,361.6                | 2,200.4                 | 161.29                    | 14.643             |          |
| 21,400.0                                                                   | 12,650.0              | 19,069.8              | 10,353.4              | 169.1            | 168.1         | -13.60                | -9,834.4                            | 637.9        | 2,362.9                | 2,199.8                 | 163.15                    | 14.483             |          |
| 21,500.0                                                                   | 12,650.0              | 19,169.2              | 10,353.2              | 170.7            | 169.7         | -13.66                | -9,933.7                            | 641.3        | 2,363.7                | 2,198.8                 | 164.95                    | 14.330             |          |
| 21,600.0                                                                   | 12,650.0              | 19,265.7              | 10,353.1              | 172.3            | 171.3         | -13.74                | -10,030.1                           | 645.3        | 2,364.7                | 2,198.0                 | 166.77                    | 14.180             |          |
| 21,700.0                                                                   | 12,650.0              | 19,410.5              | 10,354.0              | 173.9            | 173.6         | -13.84                | -10,174.8                           | 650.2        | 2,364.8                | 2,195.5                 | 169.23                    | 13.974             |          |
| 21,800.0                                                                   | 12,650.0              | 19,599.2              | 10,358.8              | 175.5            | 176.7         | -13.90                | -10,363.4                           | 652.6        | 2,362.8                | 2,190.8                 | 172.01                    | 13.736             |          |
| 21,900.0                                                                   | 12,650.0              | 19,685.3              | 10,363.0              | 177.1            | 178.1         | -13.94                | -10,449.4                           | 654.0        | 2,358.3                | 2,184.6                 | 173.66                    | 13.580             |          |
| 22,000.0                                                                   | 12,650.0              | 19,741.1              | 10,364.9              | 178.7            | 179.0         | -13.97                | -10,505.2                           | 654.9        | 2,355.2                | 2,180.3                 | 174.92                    | 13.465             |          |
| 22,100.0                                                                   | 12,650.0              | 19,844.1              | 10,367.1              | 180.3            | 180.7         | -14.01                | -10,608.1                           | 656.7        | 2,353.5                | 2,176.7                 | 176.74                    | 13.316             |          |
| 22,200.0                                                                   | 12,650.0              | 19,926.7              | 10,369.1              | 182.0            | 182.0         | -14.05                | -10,690.7                           | 658.4        | 2,351.5                | 2,173.1                 | 178.32                    | 13.187             |          |
| 22,300.0                                                                   | 12,650.0              | 20,021.4              | 10,370.3              | 183.6            | 183.6         | -14.05                | -10,785.3                           | 658.7        | 2,350.2                | 2,170.3                 | 179.94                    | 13.061             |          |
| 22,382.1                                                                   | 12,650.0              | 20,073.5              | 10,370.9              | 184.9            | 184.4         | -14.06                | -10,837.5                           | 659.4        | 2,349.5                | 2,168.5                 | 180.99                    | 12.981             |          |
| 22,400.0                                                                   | 12,650.0              | 20,081.2              | 10,370.9              | 185.2            | 184.5         | -14.06                | -10,845.1                           | 659.5        | 2,349.5                | 2,168.4                 | 181.17                    | 12.969             |          |
| 22,500.0                                                                   | 12,650.0              | 20,146.0              | 10,369.5              | 186.8            | 185.6         | -14.07                | -10,909.9                           | 660.5        | 2,351.4                | 2,169.0                 | 182.41                    | 12.891             |          |
| 22,600.0                                                                   | 12,650.0              | 20,181.5              | 10,368.0              | 188.4            | 186.2         | -14.07                | -10,945.4                           | 661.2        | 2,355.1                | 2,171.9                 | 183.19                    | 12.856             |          |
| 22,700.0                                                                   | 12,650.0              | 20,242.0              | 10,365.2              | 190.0            | 187.2         | -14.09                | -11,005.8                           | 663.1        | 2,360.4                | 2,176.1                 | 184.31                    | 12.807             |          |
| 22,800.0                                                                   | 12,650.0              | 20,313.0              | 10,360.8              | 191.6            | 188.3         | -14.12                | -11,076.6                           | 666.0        | 2,367.3                | 2,181.7                 | 185.61                    | 12.754             |          |
| 22,884.1                                                                   | 12,650.0              | 20,350.6              | 10,357.7              | 193.0            | 188.9         | -14.13                | -11,114.0                           | 667.5        | 2,374.6                | 2,188.3                 | 186.26                    | 12.749             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #522H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 130-MWD                                                    |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 0.0                                                                        | 0.0                   | 0.0                   | 0.0                   | 0.0              | 0.0           | 86.64                 | 111.7                               | 1,903.7      | 1,907.0                |                         |                           |                    |          |
| 100.0                                                                      | 100.0                 | 85.3                  | 85.3                  | 0.1              | 0.1           | 86.65                 | 111.6                               | 1,903.9      | 1,907.2                | 1,906.9                 | 0.25                      | 7,637.009          |          |
| 200.0                                                                      | 200.0                 | 175.9                 | 175.9                 | 0.5              | 0.3           | 86.66                 | 111.3                               | 1,904.5      | 1,907.9                | 1,907.0                 | 0.83                      | 2,286.406          |          |
| 300.0                                                                      | 300.0                 | 269.6                 | 269.6                 | 0.8              | 0.7           | 86.65                 | 111.7                               | 1,905.6      | 1,909.0                | 1,907.5                 | 1.53                      | 1,251.051          |          |
| 400.0                                                                      | 400.0                 | 367.7                 | 367.7                 | 1.2              | 1.0           | 86.63                 | 112.3                               | 1,906.9      | 1,910.4                | 1,908.1                 | 2.23                      | 855.358            |          |
| 500.0                                                                      | 500.0                 | 468.9                 | 468.9                 | 1.6              | 1.4           | 86.61                 | 113.0                               | 1,908.2      | 1,911.7                | 1,908.8                 | 2.95                      | 647.408            |          |
| 600.0                                                                      | 600.0                 | 599.1                 | 599.1                 | 1.9              | 1.8           | 86.58                 | 114.0                               | 1,909.0      | 1,912.4                | 1,908.7                 | 3.77                      | 507.470            |          |
| 700.0                                                                      | 700.0                 | 716.5                 | 716.5                 | 2.3              | 2.2           | 86.56                 | 114.8                               | 1,908.0      | 1,911.5                | 1,907.0                 | 4.53                      | 422.198            |          |
| 800.0                                                                      | 800.0                 | 814.0                 | 814.0                 | 2.6              | 2.6           | 86.55                 | 115.1                               | 1,906.8      | 1,910.4                | 1,905.2                 | 5.22                      | 366.069            |          |
| 900.0                                                                      | 900.0                 | 910.8                 | 910.8                 | 3.0              | 2.9           | 86.53                 | 115.5                               | 1,905.9      | 1,909.5                | 1,903.6                 | 5.91                      | 323.005            |          |
| 1,000.0                                                                    | 1,000.0               | 1,012.8               | 1,012.7               | 3.4              | 3.3           | 86.52                 | 115.7                               | 1,905.0      | 1,908.6                | 1,902.0                 | 6.62                      | 288.124            |          |
| 1,100.0                                                                    | 1,100.0               | 1,117.6               | 1,117.5               | 3.7              | 3.6           | 86.53                 | 115.4                               | 1,903.8      | 1,907.5                | 1,900.1                 | 7.35                      | 259.650            |          |
| 1,200.0                                                                    | 1,200.0               | 1,217.7               | 1,217.6               | 4.1              | 4.0           | 86.54                 | 115.0                               | 1,902.6      | 1,906.2                | 1,898.2                 | 8.05                      | 236.683            |          |
| 1,300.0                                                                    | 1,300.0               | 1,316.0               | 1,315.9               | 4.4              | 4.3           | 86.55                 | 114.8                               | 1,901.4      | 1,905.0                | 1,896.3                 | 8.76                      | 217.548            |          |
| 1,400.0                                                                    | 1,400.0               | 1,397.2               | 1,397.1               | 4.8              | 4.6           | 86.56                 | 114.4                               | 1,900.9      | 1,904.4                | 1,895.0                 | 9.40                      | 202.635            |          |
| 1,500.0                                                                    | 1,500.0               | 1,505.4               | 1,505.3               | 5.1              | 5.0           | 86.57                 | 113.8                               | 1,900.6      | 1,904.1                | 1,893.9                 | 10.13                     | 187.899            |          |
| 1,600.0                                                                    | 1,600.0               | 1,606.5               | 1,606.4               | 5.5              | 5.3           | 86.59                 | 113.2                               | 1,900.0      | 1,903.4                | 1,892.6                 | 10.85                     | 175.476            |          |
| 1,700.0                                                                    | 1,700.0               | 1,701.9               | 1,701.8               | 5.9              | 5.7           | 86.61                 | 112.6                               | 1,899.6      | 1,902.9                | 1,891.4                 | 11.54                     | 164.881            |          |
| 1,800.0                                                                    | 1,800.0               | 1,800.0               | 1,799.9               | 6.2              | 6.0           | 86.63                 | 112.0                               | 1,899.3      | 1,902.6                | 1,890.4                 | 12.24                     | 155.389            |          |
| 1,900.0                                                                    | 1,900.0               | 1,918.9               | 1,918.7               | 6.6              | 6.4           | 86.68                 | 110.0                               | 1,898.5      | 1,901.9                | 1,888.8                 | 13.02                     | 146.063            |          |
| 2,000.0                                                                    | 2,000.0               | 2,029.1               | 2,028.9               | 6.9              | 6.8           | 86.79                 | 106.5                               | 1,896.8      | 1,900.1                | 1,886.3                 | 13.77                     | 138.004            |          |
| 2,100.0                                                                    | 2,100.0               | 2,124.5               | 2,124.2               | 7.3              | 7.2           | 86.87                 | 103.5                               | 1,895.3      | 1,898.4                | 1,883.9                 | 14.47                     | 131.234            |          |
| 2,200.0                                                                    | 2,200.0               | 2,222.7               | 2,222.3               | 7.7              | 7.5           | 86.97                 | 100.3                               | 1,894.0      | 1,896.9                | 1,881.7                 | 15.17                     | 125.015            |          |
| 2,300.0                                                                    | 2,300.0               | 2,321.9               | 2,321.4               | 8.0              | 7.9           | 87.15                 | 94.2                                | 1,892.8      | 1,895.4                | 1,879.5                 | 15.89                     | 119.316            |          |
| 2,400.0                                                                    | 2,400.0               | 2,420.5               | 2,419.8               | 8.4              | 8.2           | 87.34                 | 87.9                                | 1,891.8      | 1,894.0                | 1,877.4                 | 16.60                     | 114.114            |          |
| 2,500.0                                                                    | 2,500.0               | 2,518.0               | 2,517.1               | 8.7              | 8.6           | 87.53                 | 81.7                                | 1,890.8      | 1,892.7                | 1,875.4                 | 17.31                     | 109.364            |          |
| 2,600.0                                                                    | 2,600.0               | 2,614.0               | 2,612.9               | 9.1              | 8.9           | 87.70                 | 75.9                                | 1,889.9      | 1,891.6                | 1,873.6                 | 18.01                     | 105.026            |          |
| 2,700.0                                                                    | 2,700.0               | 2,707.8               | 2,706.5               | 9.4              | 9.3           | 87.86                 | 70.6                                | 1,889.4      | 1,890.7                | 1,872.0                 | 18.71                     | 101.068            |          |
| 2,800.0                                                                    | 2,800.0               | 2,801.1               | 2,799.7               | 9.8              | 9.6           | 88.01                 | 65.5                                | 1,889.1      | 1,890.2                | 1,870.8                 | 19.40                     | 97.422             |          |
| 2,900.0                                                                    | 2,900.0               | 2,927.3               | 2,925.7               | 10.2             | 10.1          | 88.22                 | 58.8                                | 1,888.4      | 1,889.5                | 1,869.3                 | 20.22                     | 93.469             |          |
| 3,000.0                                                                    | 3,000.0               | 3,021.8               | 3,020.1               | 10.5             | 10.4          | 88.38                 | 53.5                                | 1,887.1      | 1,888.0                | 1,867.1                 | 20.92                     | 90.257             |          |
| 3,100.0                                                                    | 3,100.0               | 3,115.4               | 3,113.6               | 10.9             | 10.7          | 88.52                 | 48.8                                | 1,886.1      | 1,886.8                | 1,865.2                 | 21.62                     | 87.284             |          |
| 3,200.0                                                                    | 3,200.0               | 3,207.7               | 3,205.7               | 11.2             | 11.1          | 88.65                 | 44.5                                | 1,885.4      | 1,886.0                | 1,863.7                 | 22.31                     | 84.535             |          |
| 3,300.0                                                                    | 3,300.0               | 3,328.2               | 3,326.2               | 11.6             | 11.5          | 88.75                 | 41.2                                | 1,884.0      | 1,884.7                | 1,861.6                 | 23.10                     | 81.595             |          |
| 3,400.0                                                                    | 3,400.0               | 3,427.2               | 3,425.2               | 12.0             | 11.9          | 88.77                 | 40.4                                | 1,882.3      | 1,883.0                | 1,859.2                 | 23.81                     | 79.091             |          |
| 3,500.0                                                                    | 3,500.0               | 3,521.2               | 3,519.2               | 12.3             | 12.2          | 88.79                 | 39.7                                | 1,880.9      | 1,881.5                | 1,857.0                 | 24.50                     | 76.793             |          |
| 3,600.0                                                                    | 3,600.0               | 3,612.9               | 3,610.8               | 12.7             | 12.5          | 88.82                 | 38.9                                | 1,879.9      | 1,880.4                | 1,855.2                 | 25.19                     | 74.658             |          |
| 3,700.0                                                                    | 3,700.0               | 3,707.2               | 3,705.1               | 13.0             | 12.9          | 88.84                 | 38.1                                | 1,879.3      | 1,879.7                | 1,853.8                 | 25.88                     | 72.625             |          |
| 3,800.0                                                                    | 3,800.0               | 3,808.1               | 3,806.0               | 13.4             | 13.2          | 88.86                 | 37.3                                | 1,878.6      | 1,879.0                | 1,852.4                 | 26.60                     | 70.639             |          |
| 3,900.0                                                                    | 3,900.0               | 3,904.9               | 3,902.8               | 13.7             | 13.6          | -1.13                 | 36.9                                | 1,878.1      | 1,876.8                | 1,849.5                 | 27.29                     | 68.761             |          |
| 4,000.0                                                                    | 3,999.8               | 4,006.3               | 4,004.2               | 14.1             | 13.9          | -1.12                 | 36.6                                | 1,877.6      | 1,871.0                | 1,843.0                 | 28.00                     | 66.833             |          |
| 4,100.0                                                                    | 4,099.6               | 4,108.7               | 4,106.7               | 14.4             | 14.3          | -1.11                 | 36.1                                | 1,877.0      | 1,863.5                | 1,834.8                 | 28.70                     | 64.930             |          |
| 4,200.0                                                                    | 4,199.4               | 4,207.2               | 4,205.1               | 14.8             | 14.6          | -1.11                 | 36.0                                | 1,876.2      | 1,855.7                | 1,826.3                 | 29.39                     | 63.147             |          |
| 4,300.0                                                                    | 4,299.1               | 4,297.7               | 4,295.6               | 15.1             | 14.9          | -1.12                 | 36.2                                | 1,875.9      | 1,848.4                | 1,818.4                 | 30.04                     | 61.531             |          |
| 4,400.0                                                                    | 4,398.9               | 4,395.1               | 4,393.0               | 15.5             | 15.3          | -1.14                 | 36.5                                | 1,875.9      | 1,841.4                | 1,810.6                 | 30.71                     | 59.957             |          |
| 4,500.0                                                                    | 4,498.6               | 4,498.7               | 4,496.6               | 15.8             | 15.6          | -1.16                 | 37.0                                | 1,875.8      | 1,834.3                | 1,802.9                 | 31.40                     | 58.410             |          |
| 4,600.0                                                                    | 4,598.5               | 4,601.9               | 4,599.8               | 16.2             | 16.0          | -1.17                 | 37.3                                | 1,875.4      | 1,828.3                | 1,796.2                 | 32.11                     | 56.946             |          |
| 4,700.0                                                                    | 4,698.4               | 4,700.5               | 4,698.4               | 16.5             | 16.3          | -1.17                 | 37.2                                | 1,875.1      | 1,824.9                | 1,792.1                 | 32.80                     | 55.637             |          |
| 4,766.7                                                                    | 4,765.1               | 4,766.0               | 4,763.9               | 16.8             | 16.6          | 88.84                 | 37.0                                | 1,874.9      | 1,824.1                | 1,790.8                 | 33.27                     | 54.830             |          |
| 4,800.0                                                                    | 4,798.4               | 4,798.4               | 4,796.3               | 16.9             | 16.7          | 88.84                 | 36.9                                | 1,874.8      | 1,824.0                | 1,790.5                 | 33.50                     | 54.444             |          |
| 4,900.0                                                                    | 4,898.4               | 4,900.1               | 4,898.0               | 17.2             | 17.0          | 88.85                 | 36.7                                | 1,874.6      | 1,823.8                | 1,789.6                 | 34.22                     | 53.293             |          |
| 5,000.0                                                                    | 4,998.4               | 4,998.4               | 4,996.3               | 17.6             | 17.4          | 88.85                 | 36.6                                | 1,874.3      | 1,823.5                | 1,788.6                 | 34.93                     | 52.205             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #522H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 130-MWD                                                    |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 5,100.0                                                                    | 5,098.4               | 5,095.0               | 5,092.9               | 17.9             | 17.7          | 88.85                 | 36.5                                | 1,874.2      | 1,823.4                | 1,787.7                 | 35.63                     | 51.176             |          |
| 5,200.0                                                                    | 5,198.4               | 5,197.5               | 5,195.4               | 18.3             | 18.1          | 88.85                 | 36.4                                | 1,874.1      | 1,823.3                | 1,787.0                 | 36.35                     | 50.163             |          |
| 5,300.0                                                                    | 5,298.4               | 5,295.2               | 5,293.1               | 18.7             | 18.4          | 88.85                 | 36.5                                | 1,874.0      | 1,823.2                | 1,786.1                 | 37.05                     | 49.209             |          |
| 5,400.0                                                                    | 5,398.4               | 5,395.7               | 5,393.6               | 19.0             | 18.8          | 88.85                 | 36.4                                | 1,873.9      | 1,823.2                | 1,785.4                 | 37.77                     | 48.275             |          |
| 5,447.2                                                                    | 5,445.6               | 5,441.7               | 5,439.6               | 19.2             | 19.0          | 88.86                 | 36.4                                | 1,873.9      | 1,823.1                | 1,785.0                 | 38.10                     | 47.854             |          |
| 5,500.0                                                                    | 5,498.4               | 5,492.8               | 5,490.7               | 19.4             | 19.1          | 88.86                 | 36.3                                | 1,874.0      | 1,823.2                | 1,784.7                 | 38.47                     | 47.395             |          |
| 5,600.0                                                                    | 5,598.4               | 5,598.7               | 5,596.6               | 19.7             | 19.5          | 88.87                 | 36.0                                | 1,873.8      | 1,823.0                | 1,783.8                 | 39.20                     | 46.507             |          |
| 5,700.0                                                                    | 5,698.4               | 5,707.2               | 5,705.1               | 20.1             | 19.9          | 88.87                 | 36.0                                | 1,873.5      | 1,822.8                | 1,782.8                 | 39.94                     | 45.640             |          |
| 5,766.7                                                                    | 5,765.1               | 5,813.5               | 5,811.4               | 20.3             | 20.3          | 88.96                 | 33.1                                | 1,871.3      | 1,821.2                | 1,780.7                 | 40.54                     | 44.924             |          |
| 5,800.0                                                                    | 5,798.4               | 5,843.7               | 5,841.5               | 20.4             | 20.4          | -89.34                | 31.4                                | 1,870.5      | 1,820.3                | 1,779.5                 | 40.76                     | 44.653             |          |
| 5,900.0                                                                    | 5,898.4               | 5,961.9               | 5,959.3               | 20.8             | 20.8          | -89.22                | 22.1                                | 1,867.2      | 1,817.4                | 1,775.9                 | 41.51                     | 43.783             |          |
| 6,000.0                                                                    | 5,998.1               | 6,088.0               | 6,084.4               | 21.1             | 21.3          | -89.10                | 7.5                                 | 1,861.8      | 1,812.8                | 1,770.6                 | 42.27                     | 42.883             |          |
| 6,100.0                                                                    | 6,097.7               | 6,213.3               | 6,207.9               | 21.4             | 21.8          | -88.98                | -12.5                               | 1,855.1      | 1,807.1                | 1,764.0                 | 43.04                     | 41.985             |          |
| 6,200.0                                                                    | 6,196.8               | 6,557.9               | 6,539.9               | 21.8             | 23.1          | -88.19                | -90.5                               | 1,809.2      | 1,792.4                | 1,748.4                 | 44.00                     | 40.738             |          |
| 6,229.5                                                                    | 6,225.9               | 6,589.5               | 6,570.0               | 21.8             | 23.3          | -88.23                | -97.9                               | 1,803.0      | 1,786.4                | 1,742.2                 | 44.21                     | 40.406             |          |
| 6,300.0                                                                    | 6,295.5               | 6,665.1               | 6,642.0               | 22.1             | 23.6          | -88.05                | -115.1                              | 1,787.9      | 1,772.0                | 1,727.2                 | 44.72                     | 39.621             |          |
| 6,400.0                                                                    | 6,394.2               | 6,859.7               | 6,825.8               | 22.4             | 24.4          | -87.49                | -161.6                              | 1,744.4      | 1,749.7                | 1,704.4                 | 45.35                     | 38.583             |          |
| 6,500.0                                                                    | 6,492.9               | 6,959.4               | 6,918.1               | 22.7             | 24.9          | -87.05                | -189.2                              | 1,718.5      | 1,723.4                | 1,677.2                 | 46.11                     | 37.375             |          |
| 6,600.0                                                                    | 6,591.6               | 7,035.7               | 6,988.8               | 23.1             | 25.3          | -86.70                | -210.4                              | 1,699.3      | 1,697.8                | 1,650.8                 | 46.92                     | 36.182             |          |
| 6,700.0                                                                    | 6,690.3               | 7,107.6               | 7,055.6               | 23.4             | 25.6          | -86.36                | -230.6                              | 1,682.0      | 1,673.5                | 1,625.8                 | 47.75                     | 35.049             |          |
| 6,800.0                                                                    | 6,789.0               | 7,183.2               | 7,126.1               | 23.8             | 26.0          | -85.99                | -251.9                              | 1,664.9      | 1,650.7                | 1,602.1                 | 48.58                     | 33.983             |          |
| 6,900.0                                                                    | 6,887.7               | 7,255.7               | 7,193.9               | 24.1             | 26.4          | -85.63                | -272.4                              | 1,649.4      | 1,629.3                | 1,579.9                 | 49.41                     | 32.976             |          |
| 7,000.0                                                                    | 6,986.4               | 7,328.6               | 7,261.8               | 24.5             | 26.7          | -85.21                | -294.6                              | 1,634.9      | 1,609.5                | 1,559.2                 | 50.25                     | 32.032             |          |
| 7,100.0                                                                    | 7,085.1               | 7,416.4               | 7,343.4               | 24.8             | 27.2          | -84.65                | -322.5                              | 1,618.4      | 1,590.9                | 1,539.8                 | 51.10                     | 31.133             |          |
| 7,200.0                                                                    | 7,183.8               | 7,540.6               | 7,457.4               | 25.2             | 27.8          | -83.71                | -365.1                              | 1,593.9      | 1,571.7                | 1,519.7                 | 52.00                     | 30.225             |          |
| 7,300.0                                                                    | 7,282.5               | 7,631.3               | 7,540.3               | 25.6             | 28.3          | -82.97                | -396.9                              | 1,575.1      | 1,551.9                | 1,499.0                 | 52.90                     | 29.335             |          |
| 7,400.0                                                                    | 7,381.2               | 7,709.2               | 7,612.2               | 25.9             | 28.8          | -82.39                | -422.7                              | 1,560.0      | 1,533.6                | 1,479.8                 | 53.80                     | 28.508             |          |
| 7,500.0                                                                    | 7,479.8               | 7,814.0               | 7,709.5               | 26.3             | 29.3          | -81.65                | -456.0                              | 1,540.1      | 1,515.7                | 1,461.0                 | 54.71                     | 27.704             |          |
| 7,600.0                                                                    | 7,578.5               | 7,914.7               | 7,803.3               | 26.7             | 29.9          | -80.96                | -487.0                              | 1,520.3      | 1,497.4                | 1,441.8                 | 55.62                     | 26.920             |          |
| 7,700.0                                                                    | 7,677.2               | 8,010.6               | 7,892.9               | 27.0             | 30.4          | -80.32                | -515.7                              | 1,501.9      | 1,479.6                | 1,423.1                 | 56.54                     | 26.169             |          |
| 7,800.0                                                                    | 7,775.9               | 8,129.5               | 8,003.8               | 27.4             | 31.1          | -79.49                | -551.6                              | 1,478.1      | 1,461.2                | 1,403.7                 | 57.49                     | 25.419             |          |
| 7,900.0                                                                    | 7,874.6               | 8,236.2               | 8,101.7               | 27.8             | 31.7          | -78.57                | -587.0                              | 1,454.8      | 1,441.7                | 1,383.2                 | 58.46                     | 24.662             |          |
| 8,000.0                                                                    | 7,973.3               | 8,396.0               | 8,248.5               | 28.2             | 32.7          | -77.24                | -637.1                              | 1,416.4      | 1,420.1                | 1,360.6                 | 59.41                     | 23.903             |          |
| 8,100.0                                                                    | 8,072.0               | 8,490.5               | 8,336.2               | 28.6             | 33.2          | -76.59                | -662.3                              | 1,392.1      | 1,396.3                | 1,336.0                 | 60.36                     | 23.134             |          |
| 8,200.0                                                                    | 8,170.7               | 8,569.8               | 8,410.2               | 28.9             | 33.7          | -76.07                | -682.8                              | 1,372.6      | 1,373.8                | 1,312.5                 | 61.32                     | 22.402             |          |
| 8,300.0                                                                    | 8,269.4               | 8,654.9               | 8,490.0               | 29.3             | 34.2          | -75.50                | -704.9                              | 1,352.5      | 1,352.3                | 1,290.0                 | 62.28                     | 21.712             |          |
| 8,400.0                                                                    | 8,368.1               | 8,734.6               | 8,564.9               | 29.7             | 34.6          | -74.99                | -725.1                              | 1,334.6      | 1,332.0                | 1,268.8                 | 63.24                     | 21.063             |          |
| 8,500.0                                                                    | 8,466.8               | 8,809.5               | 8,635.8               | 30.1             | 35.1          | -74.52                | -743.8                              | 1,319.0      | 1,313.3                | 1,249.2                 | 64.19                     | 20.462             |          |
| 8,600.0                                                                    | 8,565.5               | 8,904.9               | 8,726.1               | 30.5             | 35.6          | -73.90                | -768.0                              | 1,300.1      | 1,295.9                | 1,230.8                 | 65.14                     | 19.895             |          |
| 8,700.0                                                                    | 8,664.2               | 8,984.5               | 8,801.4               | 30.9             | 36.1          | -73.35                | -788.8                              | 1,284.5      | 1,279.0                | 1,213.0                 | 66.08                     | 19.355             |          |
| 8,800.0                                                                    | 8,762.9               | 9,066.6               | 8,879.6               | 31.3             | 36.5          | -72.85                | -809.1                              | 1,270.1      | 1,263.9                | 1,196.9                 | 67.01                     | 18.861             |          |
| 8,900.0                                                                    | 8,861.6               | 9,152.7               | 8,961.9               | 31.7             | 37.0          | -72.34                | -830.0                              | 1,255.9      | 1,249.8                | 1,181.8                 | 67.93                     | 18.397             |          |
| 9,000.0                                                                    | 8,960.3               | 9,230.8               | 9,037.2               | 32.1             | 37.4          | -71.97                | -847.2                              | 1,244.5      | 1,237.0                | 1,168.2                 | 68.81                     | 17.978             |          |
| 9,100.0                                                                    | 9,059.0               | 9,307.0               | 9,111.5               | 32.5             | 37.8          | -71.73                | -861.8                              | 1,235.8      | 1,226.4                | 1,156.8                 | 69.64                     | 17.611             |          |
| 9,200.0                                                                    | 9,157.7               | 9,406.4               | 9,209.0               | 32.9             | 38.2          | -71.56                | -878.5                              | 1,226.0      | 1,216.8                | 1,146.3                 | 70.50                     | 17.260             |          |
| 9,300.0                                                                    | 9,256.4               | 9,495.9               | 9,297.2               | 33.3             | 38.6          | -71.51                | -891.4                              | 1,218.1      | 1,207.3                | 1,136.0                 | 71.31                     | 16.932             |          |
| 9,400.0                                                                    | 9,355.1               | 9,593.9               | 9,394.2               | 33.7             | 39.1          | -71.61                | -902.6                              | 1,210.7      | 1,198.3                | 1,126.2                 | 72.11                     | 16.618             |          |
| 9,500.0                                                                    | 9,453.8               | 9,684.5               | 9,484.3               | 34.1             | 39.4          | -71.84                | -910.5                              | 1,205.0      | 1,189.8                | 1,116.9                 | 72.86                     | 16.329             |          |
| 9,600.0                                                                    | 9,552.5               | 9,785.9               | 9,585.4               | 34.5             | 39.8          | -72.22                | -916.8                              | 1,199.7      | 1,181.6                | 1,108.0                 | 73.62                     | 16.049             |          |
| 9,700.0                                                                    | 9,651.2               | 9,889.3               | 9,688.6               | 34.9             | 40.2          | -72.79                | -920.0                              | 1,194.9      | 1,173.0                | 1,098.7                 | 74.35                     | 15.778             |          |
| 9,800.0                                                                    | 9,749.9               | 9,972.5               | 9,771.8               | 35.3             | 40.4          | -73.45                | -918.7                              | 1,192.7      | 1,165.2                | 1,090.2                 | 74.99                     | 15.539             |          |
| 9,900.0                                                                    | 9,848.6               | 10,065.5              | 9,864.6               | 35.7             | 40.7          | -74.29                | -915.5                              | 1,191.5      | 1,158.5                | 1,082.9                 | 75.61                     | 15.322             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #522H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 130-MWD                                                    |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 10,000.0                                                                   | 9,947.3               | 10,168.9              | 9,968.1               | 36.1             | 40.9          | -75.23                | -912.2                              | 1,190.0      | 1,152.1                | 1,075.9                 | 76.26                     | 15.109             |          |
| 10,100.0                                                                   | 10,046.0              | 10,282.0              | 10,081.0              | 36.5             | 41.3          | -76.25                | -908.7                              | 1,187.4      | 1,145.1                | 1,068.2                 | 76.93                     | 14.886             |          |
| 10,200.0                                                                   | 10,144.7              | 10,372.0              | 10,171.0              | 36.9             | 41.5          | -77.02                | -906.8                              | 1,184.5      | 1,137.7                | 1,060.2                 | 77.58                     | 14.666             |          |
| 10,300.0                                                                   | 10,243.4              | 10,434.0              | 10,232.9              | 37.3             | 41.7          | -77.40                | -908.8                              | 1,182.8      | 1,132.4                | 1,054.3                 | 78.15                     | 14.490             |          |
| 10,385.6                                                                   | 10,327.9              | 10,484.0              | 10,282.6              | 37.7             | 41.9          | -77.51                | -914.5                              | 1,182.3      | 1,130.7                | 1,052.0                 | 78.62                     | 14.381 CC          |          |
| 10,400.0                                                                   | 10,342.1              | 10,491.0              | 10,289.4              | 37.7             | 42.0          | -77.50                | -915.7                              | 1,182.3      | 1,130.7                | 1,052.0                 | 78.68                     | 14.371 ES          |          |
| 10,500.0                                                                   | 10,440.8              | 10,529.0              | 10,326.4              | 38.1             | 42.1          | -77.38                | -924.4                              | 1,183.0      | 1,133.8                | 1,054.8                 | 78.92                     | 14.367             |          |
| 10,600.0                                                                   | 10,539.5              | 10,586.3              | 10,380.7              | 38.5             | 42.4          | -76.94                | -942.5                              | 1,185.5      | 1,141.2                | 1,062.0                 | 79.28                     | 14.396             |          |
| 10,700.0                                                                   | 10,638.2              | 10,657.2              | 10,445.1              | 39.0             | 42.8          | -76.09                | -971.8                              | 1,190.7      | 1,153.3                | 1,073.5                 | 79.78                     | 14.457             |          |
| 10,800.0                                                                   | 10,736.9              | 10,753.1              | 10,529.0              | 39.4             | 43.3          | -74.56                | -1,018.0                            | 1,194.4      | 1,164.9                | 1,084.2                 | 80.71                     | 14.433             |          |
| 10,900.0                                                                   | 10,835.6              | 10,815.0              | 10,579.1              | 39.8             | 43.7          | -73.27                | -1,054.0                            | 1,197.1      | 1,180.7                | 1,099.7                 | 81.00                     | 14.577             |          |
| 11,000.0                                                                   | 10,934.3              | 10,842.1              | 10,599.8              | 40.2             | 43.9          | -72.63                | -1,071.5                            | 1,198.6      | 1,201.0                | 1,120.6                 | 80.45                     | 14.929             |          |
| 11,100.0                                                                   | 11,033.0              | 10,880.7              | 10,627.8              | 40.6             | 44.1          | -71.65                | -1,098.0                            | 1,201.2      | 1,226.5                | 1,146.6                 | 79.93                     | 15.345             |          |
| 11,200.0                                                                   | 11,131.7              | 10,910.0              | 10,647.7              | 41.0             | 44.3          | -70.86                | -1,119.3                            | 1,203.5      | 1,257.2                | 1,178.1                 | 79.01                     | 15.911             |          |
| 11,300.0                                                                   | 11,230.4              | 10,966.2              | 10,682.8              | 41.4             | 44.7          | -69.20                | -1,163.0                            | 1,207.4      | 1,292.1                | 1,213.5                 | 78.64                     | 16.431             |          |
| 11,400.0                                                                   | 11,329.1              | 11,010.6              | 10,707.2              | 41.9             | 45.0          | -67.78                | -1,200.0                            | 1,209.5      | 1,331.4                | 1,253.5                 | 77.83                     | 17.105             |          |
| 11,500.0                                                                   | 11,427.8              | 11,500.0              | 10,744.4              | 42.3             | 49.2          | -64.85                | -1,273.2                            | 1,206.5      | 1,373.1                | 1,292.1                 | 81.00                     | 16.952             |          |
| 11,535.3                                                                   | 11,462.6              | 11,100.0              | 10,747.7              | 42.4             | 45.8          | -64.60                | -1,279.5                            | 1,206.3      | 1,388.8                | 1,311.6                 | 77.24                     | 17.981             |          |
| 11,600.0                                                                   | 11,526.5              | 11,128.8              | 10,758.2              | 42.7             | 46.1          | -63.96                | -1,306.1                            | 1,203.3      | 1,419.0                | 1,342.4                 | 76.54                     | 18.540             |          |
| 11,700.0                                                                   | 11,625.7              | 11,148.2              | 10,764.5              | 43.1             | 46.2          | -64.01                | -1,324.3                            | 1,201.3      | 1,470.5                | 1,395.6                 | 74.84                     | 19.647             |          |
| 11,800.0                                                                   | 11,725.1              | 11,164.4              | 10,769.4              | 43.5             | 46.4          | -64.28                | -1,339.7                            | 1,199.5      | 1,527.2                | 1,454.1                 | 73.08                     | 20.898             |          |
| 11,900.0                                                                   | 11,824.8              | 11,195.0              | 10,777.5              | 43.9             | 46.7          | -64.05                | -1,369.0                            | 1,196.2      | 1,589.0                | 1,517.3                 | 71.65                     | 22.176             |          |
| 12,000.0                                                                   | 11,924.7              | 11,195.0              | 10,777.5              | 44.2             | 46.7          | -65.23                | -1,369.0                            | 1,196.2      | 1,654.6                | 1,585.0                 | 69.66                     | 23.754             |          |
| 12,100.0                                                                   | 12,024.6              | 11,195.0              | 10,777.5              | 44.6             | 46.7          | -66.56                | -1,369.0                            | 1,196.2      | 1,724.4                | 1,656.6                 | 67.77                     | 25.444             |          |
| 12,152.4                                                                   | 12,077.0              | 11,195.0              | 10,777.5              | 44.7             | 46.7          | 111.00                | -1,369.0                            | 1,196.2      | 1,762.4                | 1,695.5                 | 66.83                     | 26.370             |          |
| 12,200.0                                                                   | 12,124.6              | 11,195.0              | 10,777.5              | 44.9             | 46.7          | -68.14                | -1,369.0                            | 1,196.2      | 1,797.2                | 1,731.2                 | 66.00                     | 27.232             |          |
| 12,250.0                                                                   | 12,174.2              | 11,195.0              | 10,777.5              | 45.1             | 46.7          | -63.38                | -1,369.0                            | 1,196.2      | 1,833.3                | 1,768.2                 | 65.12                     | 28.150             |          |
| 12,300.0                                                                   | 12,223.0              | 11,195.0              | 10,777.5              | 45.3             | 46.7          | -58.99                | -1,369.0                            | 1,196.2      | 1,868.7                | 1,804.4                 | 64.27                     | 29.077             |          |
| 12,350.0                                                                   | 12,270.7              | 11,231.1              | 10,785.5              | 45.6             | 47.0          | -53.96                | -1,404.0                            | 1,192.3      | 1,902.2                | 1,838.1                 | 64.13                     | 29.663             |          |
| 12,400.0                                                                   | 12,317.0              | 11,240.8              | 10,787.5              | 45.8             | 47.1          | -50.27                | -1,413.4                            | 1,191.3      | 1,935.0                | 1,871.5                 | 63.48                     | 30.481             |          |
| 12,450.0                                                                   | 12,361.4              | 11,251.4              | 10,789.5              | 46.1             | 47.2          | -47.03                | -1,423.8                            | 1,190.2      | 1,966.2                | 1,903.3                 | 62.87                     | 31.272             |          |
| 12,500.0                                                                   | 12,403.7              | 11,291.0              | 10,795.9              | 46.4             | 47.6          | -43.68                | -1,462.7                            | 1,186.4      | 1,996.3                | 1,933.5                 | 62.82                     | 31.777             |          |
| 12,550.0                                                                   | 12,443.5              | 11,291.0              | 10,795.9              | 46.7             | 47.6          | -41.49                | -1,462.7                            | 1,186.4      | 2,023.5                | 1,961.4                 | 62.06                     | 32.602             |          |
| 12,600.0                                                                   | 12,480.5              | 11,291.0              | 10,795.9              | 47.1             | 47.6          | -39.59                | -1,462.7                            | 1,186.4      | 2,048.7                | 1,987.4                 | 61.35                     | 33.395             |          |
| 12,650.0                                                                   | 12,514.4              | 11,291.0              | 10,795.9              | 47.4             | 47.6          | -37.94                | -1,462.7                            | 1,186.4      | 2,072.0                | 2,011.3                 | 60.68                     | 34.146             |          |
| 12,700.0                                                                   | 12,545.0              | 11,319.5              | 10,799.7              | 47.8             | 47.9          | -36.28                | -1,490.8                            | 1,183.9      | 2,092.7                | 2,032.1                 | 60.54                     | 34.565             |          |
| 12,750.0                                                                   | 12,572.0              | 11,336.5              | 10,801.7              | 48.1             | 48.0          | -35.01                | -1,507.6                            | 1,182.6      | 2,110.8                | 2,050.6                 | 60.25                     | 35.032             |          |
| 12,800.0                                                                   | 12,595.3              | 11,354.0              | 10,803.5              | 48.5             | 48.2          | -33.98                | -1,525.0                            | 1,181.3      | 2,126.3                | 2,066.3                 | 60.02                     | 35.425             |          |
| 12,850.0                                                                   | 12,614.6              | 11,386.0              | 10,806.4              | 48.9             | 48.5          | -33.12                | -1,556.8                            | 1,179.3      | 2,139.1                | 2,079.0                 | 60.08                     | 35.606             |          |
| 12,900.0                                                                   | 12,629.8              | 11,393.9              | 10,807.0              | 49.3             | 48.6          | -32.57                | -1,564.7                            | 1,178.9      | 2,148.8                | 2,089.0                 | 59.80                     | 35.931             |          |
| 12,950.0                                                                   | 12,640.8              | 11,429.7              | 10,809.7              | 49.7             | 48.9          | -32.14                | -1,600.4                            | 1,176.9      | 2,155.5                | 2,095.4                 | 60.03                     | 35.905             |          |
| 13,000.0                                                                   | 12,647.6              | 11,465.8              | 10,812.1              | 50.1             | 49.3          | -31.95                | -1,636.3                            | 1,175.1      | 2,158.7                | 2,098.4                 | 60.32                     | 35.786             |          |
| 13,052.4                                                                   | 12,650.0              | 11,509.2              | 10,814.8              | 50.5             | 49.7          | -31.99                | -1,679.6                            | 1,172.9      | 2,158.5                | 2,097.7                 | 60.78                     | 35.511             |          |
| 13,100.0                                                                   | 12,650.0              | 11,551.9              | 10,817.1              | 50.9             | 50.2          | -31.99                | -1,722.2                            | 1,170.4      | 2,156.4                | 2,095.1                 | 61.27                     | 35.196             |          |
| 13,200.0                                                                   | 12,650.0              | 11,622.7              | 10,819.8              | 51.8             | 50.9          | -31.88                | -1,792.7                            | 1,165.3      | 2,151.2                | 2,089.3                 | 61.93                     | 34.737             |          |
| 13,267.5                                                                   | 12,650.0              | 11,671.0              | 10,820.2              | 52.4             | 51.4          | -31.73                | -1,840.8                            | 1,160.8      | 2,147.6                | 2,085.3                 | 62.31                     | 34.469             |          |
| 13,300.0                                                                   | 12,650.0              | 11,694.7              | 10,820.1              | 52.7             | 51.6          | -31.67                | -1,864.4                            | 1,158.5      | 2,145.9                | 2,083.4                 | 62.48                     | 34.344             |          |
| 13,400.0                                                                   | 12,650.0              | 11,804.2              | 10,820.4              | 53.6             | 52.8          | -31.43                | -1,973.4                            | 1,148.6      | 2,140.7                | 2,077.1                 | 63.57                     | 33.674             |          |
| 13,500.0                                                                   | 12,650.0              | 11,902.1              | 10,822.5              | 54.6             | 53.9          | -31.29                | -2,071.1                            | 1,141.4      | 2,134.7                | 2,070.0                 | 64.62                     | 33.034             |          |
| 13,600.0                                                                   | 12,650.0              | 11,975.8              | 10,824.4              | 55.6             | 54.8          | -31.22                | -2,144.6                            | 1,138.0      | 2,129.8                | 2,064.4                 | 65.40                     | 32.564             |          |
| 13,700.0                                                                   | 12,650.0              | 12,060.2              | 10,825.0              | 56.6             | 55.7          | -31.11                | -2,228.8                            | 1,133.1      | 2,125.8                | 2,059.4                 | 66.33                     | 32.048             |          |
| 13,800.0                                                                   | 12,650.0              | 12,131.4              | 10,825.2              | 57.6             | 56.6          | -31.02                | -2,300.0                            | 1,129.9      | 2,122.9                | 2,055.7                 | 67.12                     | 31.630             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #522H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 130-MWD                                                    |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    |          |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  | Warning  |
| 13,900.0                                                                   | 12,650.0              | 12,270.7              | 10,826.5              | 58.7             | 58.2          | -30.89                | -2,439.1                            | 1,124.1      | 2,119.6                | 2,050.6                 | 69.01                     | 30.713             |          |
| 14,000.0                                                                   | 12,650.0              | 12,527.0              | 10,836.7              | 59.8             | 61.4          | -30.62                | -2,694.6                            | 1,108.1      | 2,114.1                | 2,041.1                 | 72.95                     | 28.978             |          |
| 14,100.0                                                                   | 12,650.0              | 12,593.6              | 10,841.5              | 61.0             | 62.2          | -30.54                | -2,760.7                            | 1,102.2      | 2,103.0                | 2,029.3                 | 73.73                     | 28.521             |          |
| 14,200.0                                                                   | 12,650.0              | 12,645.8              | 10,845.0              | 62.1             | 62.9          | -30.51                | -2,812.8                            | 1,099.3      | 2,094.2                | 2,019.9                 | 74.34                     | 28.170             |          |
| 14,300.0                                                                   | 12,650.0              | 12,695.6              | 10,847.6              | 63.3             | 63.5          | -30.50                | -2,862.5                            | 1,097.7      | 2,087.8                | 2,012.8                 | 74.96                     | 27.852             |          |
| 14,400.0                                                                   | 12,650.0              | 12,810.9              | 10,854.1              | 64.5             | 65.0          | -30.58                | -2,977.6                            | 1,097.9      | 2,082.8                | 2,005.9                 | 76.92                     | 27.077             |          |
| 14,500.0                                                                   | 12,650.0              | 12,863.4              | 10,857.7              | 65.7             | 65.7          | -30.66                | -3,030.0                            | 1,099.4      | 2,077.9                | 2,000.2                 | 77.76                     | 26.723             |          |
| 14,600.0                                                                   | 12,650.0              | 12,920.2              | 10,860.5              | 67.0             | 66.4          | -30.74                | -3,086.6                            | 1,101.6      | 2,075.3                | 1,996.6                 | 78.71                     | 26.368             |          |
| 14,700.0                                                                   | 12,650.0              | 13,002.0              | 10,863.6              | 68.2             | 67.5          | -30.86                | -3,168.3                            | 1,105.4      | 2,074.1                | 1,993.9                 | 80.19                     | 25.864             |          |
| 14,735.7                                                                   | 12,650.0              | 13,022.1              | 10,864.2              | 68.7             | 67.8          | -30.89                | -3,188.3                            | 1,106.3      | 2,074.0                | 1,993.4                 | 80.54                     | 25.751             |          |
| 14,800.0                                                                   | 12,650.0              | 13,057.4              | 10,864.7              | 69.5             | 68.2          | -30.93                | -3,223.6                            | 1,107.8      | 2,074.4                | 1,993.3                 | 81.14                     | 25.567             |          |
| 14,900.0                                                                   | 12,650.0              | 13,229.9              | 10,863.1              | 70.8             | 70.5          | -30.92                | -3,396.0                            | 1,109.3      | 2,076.3                | 1,992.1                 | 84.14                     | 24.675             |          |
| 15,000.0                                                                   | 12,650.0              | 13,355.2              | 10,867.4              | 72.1             | 72.2          | -30.94                | -3,521.3                            | 1,108.5      | 2,072.5                | 1,986.1                 | 86.37                     | 23.994             |          |
| 15,100.0                                                                   | 12,650.0              | 13,408.2              | 10,868.9              | 73.4             | 73.0          | -30.97                | -3,574.2                            | 1,109.0      | 2,070.3                | 1,983.0                 | 87.28                     | 23.721             |          |
| 15,141.8                                                                   | 12,650.0              | 13,428.3              | 10,868.9              | 74.0             | 73.2          | -30.96                | -3,594.4                            | 1,109.0      | 2,070.0                | 1,982.4                 | 87.60                     | 23.631             |          |
| 15,200.0                                                                   | 12,650.0              | 13,476.0              | 10,867.6              | 74.8             | 73.9          | -30.92                | -3,642.0                            | 1,108.3      | 2,070.7                | 1,982.3                 | 88.35                     | 23.436             |          |
| 15,300.0                                                                   | 12,650.0              | 13,522.5              | 10,865.3              | 76.1             | 74.5          | -30.85                | -3,688.4                            | 1,107.2      | 2,072.9                | 1,983.9                 | 89.00                     | 23.290             |          |
| 15,400.0                                                                   | 12,650.0              | 13,604.8              | 10,860.5              | 77.5             | 75.7          | -30.73                | -3,770.6                            | 1,105.4      | 2,076.5                | 1,986.3                 | 90.25                     | 23.009             |          |
| 15,500.0                                                                   | 12,650.0              | 13,850.6              | 10,857.4              | 78.8             | 79.2          | -30.60                | -4,016.1                            | 1,103.0      | 2,076.5                | 1,981.9                 | 94.58                     | 21.954             |          |
| 15,600.0                                                                   | 12,650.0              | 13,924.5              | 10,859.5              | 80.2             | 80.2          | -30.62                | -4,090.1                            | 1,103.4      | 2,074.0                | 1,978.1                 | 95.95                     | 21.615             |          |
| 15,700.0                                                                   | 12,650.0              | 13,999.9              | 10,860.4              | 81.6             | 81.3          | -30.63                | -4,165.4                            | 1,103.6      | 2,072.9                | 1,975.5                 | 97.33                     | 21.298             |          |
| 15,755.2                                                                   | 12,650.0              | 14,042.4              | 10,860.5              | 82.4             | 81.9          | -30.63                | -4,208.0                            | 1,103.9      | 2,072.7                | 1,974.6                 | 98.10                     | 21.128             |          |
| 15,800.0                                                                   | 12,650.0              | 14,085.3              | 10,860.6              | 83.0             | 82.5          | -30.64                | -4,250.9                            | 1,104.3      | 2,072.7                | 1,973.8                 | 98.90                     | 20.959             |          |
| 15,900.0                                                                   | 12,650.0              | 14,227.5              | 10,862.1              | 84.4             | 84.6          | -30.69                | -4,393.0                            | 1,106.3      | 2,072.4                | 1,970.8                 | 101.64                    | 20.390             |          |
| 16,000.0                                                                   | 12,650.0              | 14,350.7              | 10,865.1              | 85.9             | 86.4          | -30.70                | -4,516.2                            | 1,105.8      | 2,069.7                | 1,965.8                 | 103.97                    | 19.906             |          |
| 16,100.0                                                                   | 12,650.0              | 14,491.4              | 10,870.9              | 87.3             | 88.4          | -30.78                | -4,656.8                            | 1,106.5      | 2,066.3                | 1,959.6                 | 106.76                    | 19.355             |          |
| 16,200.0                                                                   | 12,650.0              | 14,579.5              | 10,876.7              | 88.7             | 89.7          | -30.88                | -4,744.7                            | 1,107.7      | 2,061.1                | 1,952.5                 | 108.62                    | 18.976             |          |
| 16,300.0                                                                   | 12,650.0              | 14,667.1              | 10,880.1              | 90.2             | 91.0          | -30.90                | -4,832.1                            | 1,107.4      | 2,057.2                | 1,946.9                 | 110.34                    | 18.644             |          |
| 16,400.0                                                                   | 12,650.0              | 14,752.2              | 10,882.0              | 91.6             | 92.3          | -30.85                | -4,917.2                            | 1,104.6      | 2,053.4                | 1,941.6                 | 111.88                    | 18.354             |          |
| 16,500.0                                                                   | 12,650.0              | 14,807.0              | 10,881.6              | 93.1             | 93.1          | -30.77                | -4,971.9                            | 1,101.8      | 2,051.2                | 1,938.4                 | 112.78                    | 18.187             |          |
| 16,580.8                                                                   | 12,650.0              | 14,868.7              | 10,880.0              | 94.3             | 94.0          | -30.66                | -5,033.5                            | 1,098.3      | 2,050.5                | 1,936.8                 | 113.74                    | 18.029             |          |
| 16,600.0                                                                   | 12,650.0              | 14,880.6              | 10,879.6              | 94.5             | 94.2          | -30.63                | -5,045.4                            | 1,097.7      | 2,050.5                | 1,936.6                 | 113.92                    | 18.000             |          |
| 16,700.0                                                                   | 12,650.0              | 14,984.7              | 10,875.7              | 96.0             | 95.8          | -30.45                | -5,149.3                            | 1,092.9      | 2,051.2                | 1,935.6                 | 115.56                    | 17.750             |          |
| 16,800.0                                                                   | 12,650.0              | 15,112.9              | 10,873.0              | 97.5             | 97.7          | -30.26                | -5,277.3                            | 1,087.7      | 2,050.6                | 1,932.9                 | 117.68                    | 17.426             |          |
| 16,900.0                                                                   | 12,650.0              | 15,218.8              | 10,872.1              | 99.0             | 99.3          | -30.14                | -5,383.2                            | 1,083.7      | 2,049.1                | 1,929.6                 | 119.47                    | 17.151             |          |
| 17,000.0                                                                   | 12,650.0              | 15,324.2              | 10,873.0              | 100.5            | 100.9         | -30.12                | -5,488.5                            | 1,083.1      | 2,047.8                | 1,926.3                 | 121.49                    | 16.856             |          |
| 17,100.0                                                                   | 12,650.0              | 15,423.5              | 10,875.5              | 101.9            | 102.4         | -30.16                | -5,587.8                            | 1,083.7      | 2,045.6                | 1,922.1                 | 123.50                    | 16.564             |          |
| 17,200.0                                                                   | 12,650.0              | 15,571.6              | 10,878.9              | 103.4            | 104.6         | -30.20                | -5,735.9                            | 1,084.6      | 2,044.0                | 1,917.6                 | 126.47                    | 16.163             |          |
| 17,300.0                                                                   | 12,650.0              | 15,627.9              | 10,880.8              | 104.9            | 105.5         | -30.23                | -5,792.1                            | 1,085.0      | 2,041.1                | 1,913.4                 | 127.66                    | 15.988             |          |
| 17,400.0                                                                   | 12,650.0              | 15,707.9              | 10,882.2              | 106.5            | 106.7         | -30.27                | -5,872.1                            | 1,086.3      | 2,040.0                | 1,910.6                 | 129.33                    | 15.773             |          |
| 17,500.0                                                                   | 12,650.0              | 15,795.1              | 10,884.0              | 108.0            | 108.1         | -30.33                | -5,959.3                            | 1,088.2      | 2,039.1                | 1,907.9                 | 131.18                    | 15.544             |          |
| 17,520.4                                                                   | 12,650.0              | 15,809.0              | 10,884.1              | 108.3            | 108.3         | -30.34                | -5,973.1                            | 1,088.5      | 2,039.0                | 1,907.6                 | 131.47                    | 15.509             |          |
| 17,600.0                                                                   | 12,650.0              | 15,879.4              | 10,884.1              | 109.5            | 109.3         | -30.36                | -6,043.6                            | 1,089.8      | 2,039.5                | 1,906.6                 | 132.91                    | 15.345             |          |
| 17,689.5                                                                   | 12,650.0              | 15,978.0              | 10,884.9              | 110.8            | 110.9         | -30.38                | -6,142.2                            | 1,091.0      | 2,039.1                | 1,904.2                 | 134.94                    | 15.112             |          |
| 17,700.0                                                                   | 12,650.0              | 15,984.3              | 10,884.9              | 111.0            | 111.0         | -30.38                | -6,148.4                            | 1,091.0      | 2,039.1                | 1,904.1                 | 135.06                    | 15.098             |          |
| 17,800.0                                                                   | 12,650.0              | 16,044.0              | 10,884.1              | 112.5            | 111.9         | -30.37                | -6,208.1                            | 1,091.5      | 2,040.3                | 1,904.1                 | 136.21                    | 14.979             |          |
| 17,900.0                                                                   | 12,650.0              | 16,129.4              | 10,881.4              | 114.1            | 113.2         | -30.33                | -6,293.5                            | 1,091.7      | 2,042.9                | 1,905.1                 | 137.79                    | 14.826             |          |
| 18,000.0                                                                   | 12,650.0              | 16,235.6              | 10,877.0              | 115.6            | 114.8         | -30.23                | -6,399.6                            | 1,090.7      | 2,045.7                | 1,906.0                 | 139.69                    | 14.645             |          |
| 18,100.0                                                                   | 12,650.0              | 16,381.8              | 10,874.6              | 117.1            | 117.1         | -30.17                | -6,545.7                            | 1,090.7      | 2,046.6                | 1,904.1                 | 142.51                    | 14.361             |          |
| 18,200.0                                                                   | 12,650.0              | 16,479.5              | 10,874.2              | 118.7            | 118.6         | -30.16                | -6,643.5                            | 1,091.3      | 2,047.0                | 1,902.5                 | 144.46                    | 14.170             |          |
| 18,300.0                                                                   | 12,650.0              | 16,609.1              | 10,876.8              | 120.2            | 120.6         | -30.31                | -6,772.9                            | 1,096.5      | 2,047.0                | 1,899.6                 | 147.40                    | 13.887             |          |
| 18,353.4                                                                   | 12,650.0              | 16,642.3              | 10,877.8              | 121.0            | 121.1         | -30.35                | -6,806.1                            | 1,098.0      | 2,046.7                | 1,898.5                 | 148.20                    | 13.811             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #522H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 130-MWD                                                    |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   | Warning            |          |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 18,400.0                                                                   | 12,650.0              | 16,668.6              | 10,878.3              | 121.8            | 121.5         | -30.39                | -6,832.4                            | 1,099.2      | 2,047.0                | 1,898.1                 | 148.81                    | 13.756            |                    |          |
| 18,500.0                                                                   | 12,650.0              | 16,747.3              | 10,878.3              | 123.3            | 122.8         | -30.46                | -6,910.9                            | 1,102.9      | 2,048.9                | 1,898.3                 | 150.58                    | 13.607            |                    |          |
| 18,600.0                                                                   | 12,650.0              | 16,844.5              | 10,878.4              | 124.9            | 124.3         | -30.55                | -7,008.1                            | 1,107.0      | 2,050.6                | 1,897.8                 | 152.77                    | 13.423            |                    |          |
| 18,700.0                                                                   | 12,650.0              | 16,922.5              | 10,876.6              | 126.4            | 125.5         | -30.55                | -7,086.0                            | 1,108.7      | 2,053.4                | 1,899.1                 | 154.34                    | 13.304            |                    |          |
| 18,800.0                                                                   | 12,650.0              | 17,040.9              | 10,873.3              | 128.0            | 127.4         | -30.54                | -7,204.4                            | 1,110.9      | 2,056.5                | 1,899.7                 | 156.74                    | 13.120            |                    |          |
| 18,900.0                                                                   | 12,650.0              | 17,169.8              | 10,872.1              | 129.5            | 129.4         | -30.56                | -7,333.2                            | 1,113.4      | 2,057.9                | 1,898.5                 | 159.45                    | 12.906            |                    |          |
| 19,000.0                                                                   | 12,650.0              | 17,283.2              | 10,871.7              | 131.1            | 131.2         | -30.58                | -7,446.6                            | 1,114.8      | 2,058.5                | 1,896.7                 | 161.80                    | 12.723            |                    |          |
| 19,100.0                                                                   | 12,650.0              | 17,364.8              | 10,870.4              | 132.6            | 132.4         | -30.54                | -7,528.2                            | 1,114.5      | 2,059.3                | 1,895.9                 | 163.38                    | 12.605            |                    |          |
| 19,200.0                                                                   | 12,650.0              | 17,503.8              | 10,869.2              | 134.2            | 134.6         | -30.47                | -7,667.2                            | 1,113.1      | 2,059.2                | 1,893.1                 | 166.02                    | 12.403            |                    |          |
| 19,300.0                                                                   | 12,650.0              | 17,589.5              | 10,868.3              | 135.8            | 136.0         | -30.41                | -7,752.8                            | 1,111.6      | 2,058.8                | 1,891.2                 | 167.62                    | 12.282            |                    |          |
| 19,302.4                                                                   | 12,650.0              | 17,591.6              | 10,868.3              | 135.8            | 136.0         | -30.40                | -7,755.0                            | 1,111.6      | 2,058.8                | 1,891.2                 | 167.66                    | 12.280            |                    |          |
| 19,400.0                                                                   | 12,650.0              | 17,679.3              | 10,866.4              | 137.3            | 137.4         | -30.31                | -7,842.6                            | 1,109.3      | 2,059.0                | 1,889.8                 | 169.21                    | 12.169            |                    |          |
| 19,500.0                                                                   | 12,650.0              | 17,763.3              | 10,863.7              | 138.9            | 138.7         | -30.20                | -7,926.5                            | 1,106.6      | 2,059.9                | 1,889.3                 | 170.61                    | 12.073            |                    |          |
| 19,600.0                                                                   | 12,650.0              | 17,834.7              | 10,860.9              | 140.5            | 139.9         | -30.11                | -7,997.9                            | 1,104.9      | 2,061.9                | 1,890.0                 | 171.81                    | 12.001            |                    |          |
| 19,700.0                                                                   | 12,650.0              | 17,927.9              | 10,856.9              | 142.1            | 141.3         | -30.01                | -8,090.9                            | 1,104.0      | 2,064.8                | 1,891.3                 | 173.45                    | 11.904            |                    |          |
| 19,800.0                                                                   | 12,650.0              | 18,014.1              | 10,852.9              | 143.6            | 142.7         | -29.93                | -8,177.1                            | 1,103.3      | 2,068.1                | 1,893.1                 | 174.96                    | 11.820            |                    |          |
| 19,900.0                                                                   | 12,650.0              | 18,089.4              | 10,848.6              | 145.2            | 143.9         | -29.84                | -8,252.2                            | 1,102.5      | 2,072.2                | 1,896.1                 | 176.19                    | 11.761            |                    |          |
| 20,000.0                                                                   | 12,650.0              | 18,158.9              | 10,843.3              | 146.8            | 145.0         | -29.73                | -8,321.5                            | 1,101.5      | 2,077.8                | 1,900.6                 | 177.22                    | 11.724            |                    |          |
| 20,100.0                                                                   | 12,650.0              | 18,231.0              | 10,836.7              | 148.4            | 146.2         | -29.61                | -8,393.3                            | 1,100.7      | 2,084.9                | 1,906.7                 | 178.24                    | 11.698            |                    |          |
| 20,200.0                                                                   | 12,650.0              | 18,408.9              | 10,827.3              | 150.0            | 149.0         | -29.52                | -8,570.9                            | 1,103.3      | 2,089.3                | 1,907.5                 | 181.84                    | 11.490            |                    |          |
| 20,300.0                                                                   | 12,650.0              | 18,535.6              | 10,823.7              | 151.6            | 151.0         | -29.53                | -8,697.6                            | 1,106.3      | 2,092.7                | 1,908.2                 | 184.49                    | 11.343            |                    |          |
| 20,400.0                                                                   | 12,650.0              | 18,672.7              | 10,821.5              | 153.2            | 153.2         | -29.54                | -8,834.6                            | 1,108.9      | 2,094.8                | 1,907.5                 | 187.34                    | 11.182            |                    |          |
| 20,500.0                                                                   | 12,650.0              | 18,817.0              | 10,823.3              | 154.7            | 155.5         | -29.62                | -8,978.9                            | 1,112.1      | 2,094.5                | 1,904.0                 | 190.50                    | 10.995            |                    |          |
| 20,575.0                                                                   | 12,650.0              | 18,865.8              | 10,824.1              | 155.9            | 156.3         | -29.65                | -9,027.6                            | 1,113.4      | 2,094.1                | 1,902.5                 | 191.65                    | 10.927            |                    |          |
| 20,600.0                                                                   | 12,650.0              | 18,884.5              | 10,824.3              | 156.3            | 156.6         | -29.66                | -9,046.3                            | 1,114.0      | 2,094.2                | 1,902.1                 | 192.08                    | 10.903            |                    |          |
| 20,700.0                                                                   | 12,650.0              | 19,011.2              | 10,826.5              | 157.9            | 158.6         | -29.76                | -9,172.9                            | 1,117.7      | 2,093.8                | 1,898.8                 | 194.96                    | 10.739            |                    |          |
| 20,800.0                                                                   | 12,650.0              | 19,092.7              | 10,828.1              | 159.5            | 159.9         | -29.83                | -9,254.4                            | 1,120.1      | 2,093.3                | 1,896.4                 | 196.88                    | 10.632            |                    |          |
| 20,900.0                                                                   | 12,650.0              | 19,206.0              | 10,829.9              | 161.1            | 161.7         | -29.91                | -9,367.6                            | 1,123.0      | 2,092.8                | 1,893.4                 | 199.45                    | 10.493            |                    |          |
| 21,000.0                                                                   | 12,650.0              | 19,303.8              | 10,831.4              | 162.7            | 163.3         | -29.95                | -9,465.4                            | 1,124.7      | 2,092.0                | 1,890.4                 | 201.63                    | 10.376            |                    |          |
| 21,063.9                                                                   | 12,650.0              | 19,354.9              | 10,831.8              | 163.7            | 164.1         | -29.97                | -9,516.5                            | 1,125.4      | 2,091.8                | 1,889.1                 | 202.76                    | 10.317            |                    |          |
| 21,100.0                                                                   | 12,650.0              | 19,382.1              | 10,831.9              | 164.3            | 164.5         | -29.97                | -9,543.6                            | 1,125.8      | 2,091.9                | 1,888.6                 | 203.34                    | 10.288            |                    |          |
| 21,200.0                                                                   | 12,650.0              | 21,200.0              | 10,830.9              | 165.9            | 193.8         | -29.96                | -9,672.0                            | 1,126.4      | 2,092.7                | 1,869.2                 | 223.56                    | 9.361             |                    |          |
| 21,300.0                                                                   | 12,650.0              | 19,669.2              | 10,835.0              | 167.5            | 169.2         | -29.97                | -9,830.7                            | 1,125.4      | 2,089.6                | 1,880.5                 | 209.06                    | 9.995             |                    |          |
| 21,400.0                                                                   | 12,650.0              | 19,813.0              | 10,841.3              | 169.1            | 171.5         | -29.95                | -9,974.2                            | 1,121.9      | 2,084.1                | 1,872.3                 | 211.77                    | 9.841             |                    |          |
| 21,500.0                                                                   | 12,650.0              | 19,891.9              | 10,844.7              | 170.7            | 172.7         | -29.93                | -10,053.0                           | 1,119.6      | 2,078.6                | 1,865.1                 | 213.47                    | 9.737             |                    |          |
| 21,600.0                                                                   | 12,650.0              | 19,961.5              | 10,846.7              | 172.3            | 173.9         | -29.90                | -10,122.6                           | 1,117.7      | 2,074.5                | 1,859.5                 | 214.95                    | 9.651             |                    |          |
| 21,700.0                                                                   | 12,650.0              | 20,038.0              | 10,847.6              | 173.9            | 175.1         | -29.86                | -10,199.1                           | 1,115.8      | 2,071.9                | 1,855.4                 | 216.47                    | 9.571             |                    |          |
| 21,800.0                                                                   | 12,650.0              | 20,104.9              | 10,848.0              | 175.5            | 176.2         | -29.84                | -10,266.0                           | 1,115.3      | 2,070.6                | 1,852.7                 | 217.88                    | 9.503             |                    |          |
| 21,900.0                                                                   | 12,650.0              | 20,205.1              | 10,849.5              | 177.1            | 177.8         | -29.90                | -10,366.1                           | 1,117.7      | 2,070.2                | 1,850.0                 | 220.19                    | 9.402             |                    |          |
| 22,000.0                                                                   | 12,650.0              | 20,321.6              | 10,852.6              | 178.7            | 179.7         | -30.02                | -10,482.5                           | 1,121.3      | 2,069.1                | 1,846.1                 | 222.97                    | 9.280             |                    |          |
| 22,100.0                                                                   | 12,650.0              | 20,422.0              | 10,855.2              | 180.3            | 181.3         | -30.09                | -10,582.8                           | 1,123.5      | 2,067.7                | 1,842.3                 | 225.33                    | 9.176             |                    |          |
| 22,159.1                                                                   | 12,650.0              | 20,450.8              | 10,855.6              | 181.3            | 181.8         | -30.11                | -10,611.7                           | 1,124.1      | 2,067.2                | 1,841.2                 | 226.04                    | 9.146             |                    |          |
| 22,200.0                                                                   | 12,650.0              | 20,472.1              | 10,855.7              | 182.0            | 182.1         | -30.11                | -10,633.0                           | 1,124.6      | 2,067.4                | 1,840.9                 | 226.53                    | 9.126             |                    |          |
| 22,300.0                                                                   | 12,650.0              | 20,542.7              | 10,854.8              | 183.6            | 183.2         | -30.14                | -10,703.5                           | 1,126.6      | 2,069.5                | 1,841.4                 | 228.09                    | 9.073             |                    |          |
| 22,400.0                                                                   | 12,650.0              | 20,661.2              | 10,854.1              | 185.2            | 185.1         | -30.19                | -10,821.9                           | 1,130.0      | 2,071.1                | 1,840.3                 | 230.78                    | 8.974             |                    |          |
| 22,500.0                                                                   | 12,650.0              | 20,754.6              | 10,853.5              | 186.8            | 186.7         | -30.23                | -10,915.3                           | 1,132.6      | 2,072.7                | 1,839.8                 | 232.88                    | 8.900             |                    |          |
| 22,600.0                                                                   | 12,650.0              | 20,857.3              | 10,852.9              | 188.4            | 188.3         | -30.29                | -11,018.0                           | 1,136.0      | 2,074.6                | 1,839.3                 | 235.25                    | 8.818             |                    |          |
| 22,700.0                                                                   | 12,650.0              | 20,935.1              | 10,852.9              | 190.0            | 189.6         | -30.36                | -11,095.7                           | 1,139.2      | 2,076.5                | 1,839.4                 | 237.12                    | 8.757             |                    |          |
| 22,800.0                                                                   | 12,650.0              | 20,997.1              | 10,851.6              | 191.6            | 190.6         | -30.39                | -11,157.7                           | 1,141.8      | 2,080.1                | 1,841.7                 | 238.47                    | 8.723             |                    |          |
| 22,884.1                                                                   | 12,650.0              | 21,055.7              | 10,849.3              | 193.0            | 191.5         | -30.41                | -11,216.1                           | 1,144.3      | 2,084.5                | 1,844.8                 | 239.68                    | 8.697 SF          |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #524H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 127-MWD                                                    |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    |          |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  | Warning  |
| 0.0                                                                        | 0.0                   | 3.0                   | 3.0                   | 0.0              | 0.0           | 88.40                 | 6.2                                 | 219.8        | 219.9                  |                         |                           |                    |          |
| 100.0                                                                      | 100.0                 | 102.1                 | 102.1                 | 0.1              | 0.1           | 88.30                 | 6.5                                 | 220.0        | 220.1                  | 219.8                   | 0.27                      | 810.350            |          |
| 200.0                                                                      | 200.0                 | 202.0                 | 202.0                 | 0.5              | 0.4           | 88.15                 | 7.1                                 | 220.4        | 220.5                  | 219.6                   | 0.93                      | 236.890            |          |
| 300.0                                                                      | 300.0                 | 300.6                 | 300.6                 | 0.8              | 0.8           | 88.19                 | 7.0                                 | 221.2        | 221.3                  | 219.7                   | 1.64                      | 134.945            |          |
| 400.0                                                                      | 400.0                 | 399.9                 | 399.9                 | 1.2              | 1.1           | 88.25                 | 6.8                                 | 222.4        | 222.5                  | 220.2                   | 2.35                      | 94.591             |          |
| 500.0                                                                      | 500.0                 | 499.1                 | 499.0                 | 1.6              | 1.5           | 88.21                 | 7.0                                 | 224.0        | 224.1                  | 221.1                   | 3.07                      | 73.103             |          |
| 600.0                                                                      | 600.0                 | 599.1                 | 599.0                 | 1.9              | 1.9           | 88.10                 | 7.5                                 | 225.8        | 225.9                  | 222.1                   | 3.78                      | 59.731             |          |
| 700.0                                                                      | 700.0                 | 702.0                 | 701.9                 | 2.3              | 2.2           | 87.94                 | 8.2                                 | 227.1        | 227.3                  | 222.8                   | 4.50                      | 50.478             |          |
| 800.0                                                                      | 800.0                 | 804.7                 | 804.7                 | 2.6              | 2.6           | 87.94                 | 8.2                                 | 226.9        | 227.0                  | 221.8                   | 5.21                      | 43.573             |          |
| 900.0                                                                      | 900.0                 | 904.1                 | 904.1                 | 3.0              | 2.9           | 88.07                 | 7.6                                 | 226.2        | 226.4                  | 220.5                   | 5.90                      | 38.354             |          |
| 1,000.0                                                                    | 1,000.0               | 1,004.6               | 1,004.5               | 3.4              | 3.2           | 88.27                 | 6.8                                 | 225.7        | 225.8                  | 219.2                   | 6.60                      | 34.197             |          |
| 1,100.0                                                                    | 1,100.0               | 1,105.0               | 1,105.0               | 3.7              | 3.6           | 88.39                 | 6.3                                 | 224.9        | 225.0                  | 217.7                   | 7.31                      | 30.803             |          |
| 1,200.0                                                                    | 1,200.0               | 1,205.2               | 1,205.1               | 4.1              | 3.9           | 88.46                 | 6.0                                 | 224.0        | 224.1                  | 216.0                   | 8.01                      | 27.975             |          |
| 1,300.0                                                                    | 1,300.0               | 1,305.0               | 1,304.9               | 4.4              | 4.3           | 88.59                 | 5.5                                 | 223.2        | 223.2                  | 214.5                   | 8.71                      | 25.617             |          |
| 1,400.0                                                                    | 1,400.0               | 1,405.4               | 1,405.4               | 4.8              | 4.6           | 88.75                 | 4.9                                 | 222.2        | 222.3                  | 212.8                   | 9.42                      | 23.586             |          |
| 1,500.0                                                                    | 1,500.0               | 1,505.3               | 1,505.2               | 5.1              | 5.0           | 89.03                 | 3.7                                 | 221.2        | 221.2                  | 211.1                   | 10.13                     | 21.830             |          |
| 1,600.0                                                                    | 1,600.0               | 1,604.8               | 1,604.7               | 5.5              | 5.3           | 89.29                 | 2.7                                 | 220.3        | 220.3                  | 209.5                   | 10.84                     | 20.320             |          |
| 1,660.7                                                                    | 1,660.7               | 1,663.8               | 1,663.7               | 5.7              | 5.5           | 89.40                 | 2.3                                 | 220.0        | 220.0                  | 208.8                   | 11.27                     | 19.530             |          |
| 1,700.0                                                                    | 1,700.0               | 1,702.5               | 1,702.4               | 5.9              | 5.7           | 89.44                 | 2.1                                 | 220.1        | 220.1                  | 208.6                   | 11.54                     | 19.069             |          |
| 1,800.0                                                                    | 1,800.0               | 1,799.7               | 1,799.6               | 6.2              | 6.0           | 89.63                 | 1.4                                 | 220.9        | 221.0                  | 208.7                   | 12.24                     | 18.050             |          |
| 1,900.0                                                                    | 1,900.0               | 1,897.7               | 1,897.5               | 6.6              | 6.4           | 89.87                 | 0.5                                 | 223.1        | 223.2                  | 210.3                   | 12.94                     | 17.246             |          |
| 2,000.0                                                                    | 2,000.0               | 1,999.9               | 1,999.7               | 6.9              | 6.7           | 90.30                 | -1.2                                | 225.2        | 225.2                  | 211.6                   | 13.66                     | 16.486             |          |
| 2,100.0                                                                    | 2,100.0               | 2,102.1               | 2,101.9               | 7.3              | 7.1           | 90.86                 | -3.4                                | 226.0        | 226.1                  | 211.7                   | 14.38                     | 15.717             |          |
| 2,200.0                                                                    | 2,200.0               | 2,201.9               | 2,201.7               | 7.7              | 7.4           | 91.51                 | -6.0                                | 226.5        | 226.5                  | 211.4                   | 15.10                     | 15.005             |          |
| 2,300.0                                                                    | 2,300.0               | 2,302.3               | 2,302.0               | 8.0              | 7.8           | 92.38                 | -9.4                                | 227.0        | 227.2                  | 211.4                   | 15.81                     | 14.365             |          |
| 2,400.0                                                                    | 2,400.0               | 2,403.0               | 2,402.6               | 8.4              | 8.2           | 93.36                 | -13.3                               | 227.0        | 227.4                  | 210.9                   | 16.53                     | 13.755             |          |
| 2,500.0                                                                    | 2,500.0               | 2,506.0               | 2,505.6               | 8.7              | 8.5           | 94.31                 | -17.1                               | 226.5        | 227.2                  | 209.9                   | 17.26                     | 13.163             |          |
| 2,600.0                                                                    | 2,600.0               | 2,611.9               | 2,611.3               | 9.1              | 8.9           | 95.43                 | -21.2                               | 223.7        | 224.8                  | 206.8                   | 17.98                     | 12.502             |          |
| 2,700.0                                                                    | 2,700.0               | 2,713.0               | 2,712.2               | 9.4              | 9.3           | 96.63                 | -25.4                               | 219.0        | 220.7                  | 202.0                   | 18.70                     | 11.803             |          |
| 2,800.0                                                                    | 2,800.0               | 2,810.9               | 2,809.9               | 9.8              | 9.6           | 97.75                 | -29.2                               | 214.8        | 216.9                  | 197.5                   | 19.41                     | 11.176             |          |
| 2,900.0                                                                    | 2,900.0               | 2,909.9               | 2,908.8               | 10.2             | 10.0          | 98.88                 | -33.0                               | 211.4        | 214.0                  | 193.9                   | 20.12                     | 10.634             |          |
| 3,000.0                                                                    | 3,000.0               | 3,008.7               | 3,007.5               | 10.5             | 10.3          | 99.88                 | -36.3                               | 208.4        | 211.6                  | 190.7                   | 20.84                     | 10.153             |          |
| 3,100.0                                                                    | 3,100.0               | 3,106.8               | 3,105.6               | 10.9             | 10.7          | 100.68                | -38.9                               | 206.2        | 209.9                  | 188.3                   | 21.55                     | 9.739              |          |
| 3,200.0                                                                    | 3,200.0               | 3,207.1               | 3,205.8               | 11.2             | 11.0          | 101.59                | -41.9                               | 204.4        | 208.6                  | 186.4                   | 22.27                     | 9.368              |          |
| 3,300.0                                                                    | 3,300.0               | 3,310.0               | 3,308.6               | 11.6             | 11.4          | 102.92                | -46.2                               | 201.3        | 206.6                  | 183.6                   | 22.99                     | 8.985              |          |
| 3,400.0                                                                    | 3,400.0               | 3,410.0               | 3,408.4               | 12.0             | 11.8          | 104.27                | -50.3                               | 197.6        | 204.0                  | 180.3                   | 23.71                     | 8.603              |          |
| 3,500.0                                                                    | 3,500.0               | 3,510.6               | 3,508.9               | 12.3             | 12.1          | 105.43                | -53.5                               | 193.7        | 201.0                  | 176.6                   | 24.43                     | 8.229              |          |
| 3,600.0                                                                    | 3,600.0               | 3,609.7               | 3,607.8               | 12.7             | 12.5          | 106.59                | -56.6                               | 189.9        | 198.2                  | 173.1                   | 25.15                     | 7.882              |          |
| 3,678.0                                                                    | 3,678.0               | 3,682.9               | 3,681.0               | 13.0             | 12.7          | 107.60                | -59.6                               | 188.0        | 197.3                  | 171.6                   | 25.70                     | 7.675              |          |
| 3,700.0                                                                    | 3,700.0               | 3,704.3               | 3,702.3               | 13.0             | 12.8          | 107.92                | -60.7                               | 187.7        | 197.3                  | 171.4                   | 25.86                     | 7.631              |          |
| 3,800.0                                                                    | 3,800.0               | 3,802.5               | 3,800.4               | 13.4             | 13.2          | 109.50                | -66.2                               | 186.9        | 198.3                  | 171.7                   | 26.57                     | 7.462              |          |
| 3,900.0                                                                    | 3,900.0               | 3,903.0               | 3,900.8               | 13.7             | 13.5          | 21.44                 | -72.3                               | 185.9        | 197.8                  | 170.5                   | 27.29                     | 7.250              |          |
| 4,000.0                                                                    | 3,999.8               | 4,002.7               | 4,000.2               | 14.1             | 13.9          | 23.63                 | -77.7                               | 184.9        | 194.2                  | 166.2                   | 27.99                     | 6.937              |          |
| 4,100.0                                                                    | 4,099.6               | 4,102.1               | 4,099.5               | 14.4             | 14.3          | 25.94                 | -82.8                               | 184.3        | 189.4                  | 160.7                   | 28.69                     | 6.601              |          |
| 4,200.0                                                                    | 4,199.4               | 4,201.3               | 4,198.6               | 14.8             | 14.6          | 28.25                 | -87.4                               | 183.7        | 184.8                  | 155.4                   | 29.39                     | 6.287              |          |
| 4,300.0                                                                    | 4,299.1               | 4,298.0               | 4,295.2               | 15.1             | 15.0          | 30.46                 | -92.0                               | 184.3        | 181.6                  | 151.5                   | 30.07                     | 6.037              |          |
| 4,400.0                                                                    | 4,398.9               | 4,395.9               | 4,392.9               | 15.5             | 15.3          | 33.16                 | -98.6                               | 185.6        | 180.3                  | 149.6                   | 30.76                     | 5.863              |          |
| 4,500.0                                                                    | 4,498.6               | 4,496.1               | 4,492.8               | 15.8             | 15.7          | 36.06                 | -105.6                              | 186.6        | 179.4                  | 147.9                   | 31.47                     | 5.701              |          |
| 4,526.8                                                                    | 4,525.4               | 4,522.7               | 4,519.4               | 15.9             | 15.8          | 36.82                 | -107.4                              | 186.9        | 179.3                  | 147.7                   | 31.66                     | 5.664 CC, ES       |          |
| 4,600.0                                                                    | 4,598.5               | 4,595.5               | 4,592.0               | 16.2             | 16.1          | 38.70                 | -112.5                              | 187.7        | 180.0                  | 147.8                   | 32.17                     | 5.596              |          |
| 4,700.0                                                                    | 4,698.4               | 4,695.6               | 4,691.9               | 16.5             | 16.4          | 40.70                 | -119.2                              | 189.1        | 183.0                  | 150.1                   | 32.88                     | 5.565              |          |
| 4,766.7                                                                    | 4,765.1               | 4,762.6               | 4,758.7               | 16.8             | 16.7          | 131.71                | -123.6                              | 189.8        | 185.9                  | 152.6                   | 33.36                     | 5.574              |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #524H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 127-MWD                                                    |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 4,800.0                                                                    | 4,798.4               | 4,795.9               | 4,791.9               | 16.9             | 16.8          | 132.15                | -125.7                              | 190.1        | 187.6                  | 154.0                   | 33.60                     | 5.585              |          |
| 4,900.0                                                                    | 4,898.4               | 4,896.3               | 4,892.1               | 17.2             | 17.2          | 133.56                | -132.6                              | 190.6        | 192.6                  | 158.3                   | 34.32                     | 5.613              |          |
| 5,000.0                                                                    | 4,998.4               | 4,999.5               | 4,994.9               | 17.6             | 17.6          | 135.55                | -140.5                              | 189.0        | 196.9                  | 161.8                   | 35.07                     | 5.615              |          |
| 5,100.0                                                                    | 5,098.4               | 5,099.5               | 5,094.6               | 17.9             | 17.9          | 138.05                | -148.6                              | 184.8        | 200.0                  | 164.2                   | 35.79                     | 5.587              |          |
| 5,200.0                                                                    | 5,198.4               | 5,199.0               | 5,193.6               | 18.3             | 18.3          | 140.59                | -157.2                              | 180.4        | 203.7                  | 167.2                   | 36.51                     | 5.579              |          |
| 5,300.0                                                                    | 5,298.4               | 5,299.1               | 5,293.2               | 18.7             | 18.7          | 142.98                | -165.6                              | 176.0        | 207.6                  | 170.4                   | 37.23                     | 5.575              |          |
| 5,400.0                                                                    | 5,398.4               | 5,398.5               | 5,392.2               | 19.0             | 19.1          | 145.36                | -174.0                              | 171.4        | 211.7                  | 173.8                   | 37.95                     | 5.579              |          |
| 5,500.0                                                                    | 5,498.4               | 5,500.0               | 5,493.2               | 19.4             | 19.4          | 147.75                | -182.4                              | 166.3        | 215.9                  | 177.2                   | 38.68                     | 5.580              |          |
| 5,600.0                                                                    | 5,598.4               | 5,599.1               | 5,591.9               | 19.7             | 19.8          | 149.83                | -189.8                              | 161.5        | 219.8                  | 180.4                   | 39.39                     | 5.579              |          |
| 5,700.0                                                                    | 5,698.4               | 5,699.4               | 5,691.8               | 20.1             | 20.2          | 151.76                | -197.3                              | 157.1        | 224.2                  | 184.1                   | 40.11                     | 5.589              |          |
| 5,766.7                                                                    | 5,765.1               | 5,763.7               | 5,755.8               | 20.3             | 20.4          | 153.07                | -202.4                              | 154.0        | 227.3                  | 186.8                   | 40.57                     | 5.603              |          |
| 5,800.0                                                                    | 5,798.4               | 5,795.5               | 5,787.4               | 20.4             | 20.6          | -24.48                | -205.4                              | 152.0        | 229.1                  | 188.3                   | 40.79                     | 5.616              |          |
| 5,900.0                                                                    | 5,898.4               | 5,884.6               | 5,875.7               | 20.8             | 20.9          | -22.39                | -216.0                              | 146.8        | 234.8                  | 193.5                   | 41.30                     | 5.685              |          |
| 6,000.0                                                                    | 5,998.1               | 5,983.3               | 5,973.3               | 21.1             | 21.3          | -20.62                | -230.4                              | 142.6        | 240.5                  | 198.6                   | 41.97                     | 5.732              |          |
| 6,100.0                                                                    | 6,097.7               | 6,084.7               | 6,073.7               | 21.4             | 21.7          | -19.29                | -244.3                              | 138.5        | 242.6                  | 200.0                   | 42.68                     | 5.684              |          |
| 6,200.0                                                                    | 6,196.8               | 6,175.2               | 6,163.1               | 21.8             | 22.1          | -18.54                | -257.7                              | 136.0        | 242.9                  | 199.8                   | 43.16                     | 5.628              |          |
| 6,229.5                                                                    | 6,225.9               | 6,202.6               | 6,190.1               | 21.8             | 22.2          | -18.37                | -262.4                              | 135.5        | 243.2                  | 199.9                   | 43.31                     | 5.615              |          |
| 6,300.0                                                                    | 6,295.5               | 6,271.3               | 6,257.7               | 22.1             | 22.4          | -18.02                | -274.7                              | 134.7        | 243.9                  | 200.2                   | 43.74                     | 5.576              |          |
| 6,400.0                                                                    | 6,394.2               | 6,364.9               | 6,349.5               | 22.4             | 22.8          | -17.48                | -292.7                              | 133.8        | 246.5                  | 202.3                   | 44.24                     | 5.573              |          |
| 6,500.0                                                                    | 6,492.9               | 6,462.5               | 6,444.8               | 22.7             | 23.2          | -16.59                | -313.9                              | 132.0        | 251.2                  | 206.4                   | 44.86                     | 5.601              |          |
| 6,600.0                                                                    | 6,591.6               | 6,565.1               | 6,544.9               | 23.1             | 23.7          | -15.52                | -336.2                              | 129.4        | 255.9                  | 210.2                   | 45.64                     | 5.606              |          |
| 6,700.0                                                                    | 6,690.3               | 6,668.6               | 6,646.2               | 23.4             | 24.1          | -14.67                | -357.2                              | 127.2        | 259.2                  | 212.7                   | 46.45                     | 5.580              |          |
| 6,800.0                                                                    | 6,789.0               | 6,762.7               | 6,738.3               | 23.8             | 24.5          | -13.78                | -376.7                              | 124.8        | 262.9                  | 215.9                   | 46.96                     | 5.598              |          |
| 6,900.0                                                                    | 6,887.7               | 6,857.5               | 6,830.4               | 24.1             | 25.0          | -12.56                | -398.6                              | 121.2        | 268.8                  | 221.3                   | 47.48                     | 5.661              |          |
| 7,000.0                                                                    | 6,986.4               | 6,951.8               | 6,921.5               | 24.5             | 25.4          | -11.07                | -422.4                              | 116.4        | 276.6                  | 228.7                   | 47.97                     | 5.768              |          |
| 7,100.0                                                                    | 7,085.1               | 7,061.3               | 7,027.0               | 24.8             | 25.9          | -8.64                 | -450.0                              | 107.0        | 284.0                  | 235.0                   | 48.99                     | 5.798              |          |
| 7,200.0                                                                    | 7,183.8               | 7,157.4               | 7,119.6               | 25.2             | 26.3          | -6.24                 | -473.5                              | 96.6         | 290.9                  | 241.3                   | 49.53                     | 5.872              |          |
| 7,300.0                                                                    | 7,282.5               | 7,262.7               | 7,221.4               | 25.6             | 26.8          | -3.82                 | -498.2                              | 85.5         | 297.2                  | 246.8                   | 50.39                     | 5.898              |          |
| 7,400.0                                                                    | 7,381.2               | 7,364.3               | 7,320.0               | 25.9             | 27.3          | -1.77                 | -520.6                              | 75.7         | 302.6                  | 251.4                   | 51.13                     | 5.917              |          |
| 7,500.0                                                                    | 7,479.8               | 7,466.0               | 7,418.9               | 26.3             | 27.8          | 0.12                  | -542.4                              | 66.4         | 307.7                  | 255.8                   | 51.88                     | 5.931              |          |
| 7,600.0                                                                    | 7,578.5               | 7,571.5               | 7,521.8               | 26.7             | 28.2          | 1.91                  | -563.6                              | 57.3         | 311.7                  | 259.0                   | 52.73                     | 5.911              |          |
| 7,700.0                                                                    | 7,677.2               | 7,677.4               | 7,625.7               | 27.0             | 28.7          | 3.57                  | -582.7                              | 48.6         | 313.9                  | 260.3                   | 53.58                     | 5.859              |          |
| 7,800.0                                                                    | 7,775.9               | 7,782.9               | 7,729.5               | 27.4             | 29.2          | 5.01                  | -599.8                              | 41.2         | 314.4                  | 260.0                   | 54.41                     | 5.779              |          |
| 7,864.2                                                                    | 7,839.3               | 7,846.3               | 7,792.0               | 27.7             | 29.4          | 5.80                  | -609.4                              | 37.2         | 314.1                  | 259.3                   | 54.84                     | 5.727              |          |
| 7,900.0                                                                    | 7,874.6               | 7,879.2               | 7,824.5               | 27.8             | 29.6          | 6.17                  | -614.6                              | 35.4         | 314.3                  | 259.2                   | 55.04                     | 5.710              |          |
| 8,000.0                                                                    | 7,973.3               | 7,977.8               | 7,921.4               | 28.2             | 30.0          | 7.11                  | -631.5                              | 30.5         | 315.8                  | 260.1                   | 55.72                     | 5.669              |          |
| 8,100.0                                                                    | 8,072.0               | 8,081.9               | 8,024.1               | 28.6             | 30.5          | 8.01                  | -648.7                              | 26.0         | 316.7                  | 260.2                   | 56.52                     | 5.604              |          |
| 8,200.0                                                                    | 8,170.7               | 8,185.3               | 8,126.2               | 28.9             | 30.9          | 8.82                  | -664.3                              | 22.1         | 316.3                  | 259.0                   | 57.31                     | 5.520              |          |
| 8,240.0                                                                    | 8,210.2               | 8,222.6               | 8,163.0               | 29.1             | 31.1          | 9.09                  | -669.9                              | 20.8         | 316.1                  | 258.5                   | 57.54                     | 5.493              |          |
| 8,300.0                                                                    | 8,269.4               | 8,274.8               | 8,214.5               | 29.3             | 31.3          | 9.46                  | -678.7                              | 19.0         | 316.8                  | 259.0                   | 57.80                     | 5.481              |          |
| 8,400.0                                                                    | 8,368.1               | 8,373.9               | 8,311.7               | 29.7             | 31.7          | 10.13                 | -697.0                              | 15.3         | 319.9                  | 261.4                   | 58.50                     | 5.468              |          |
| 8,500.0                                                                    | 8,466.8               | 8,473.6               | 8,409.8               | 30.1             | 32.2          | 10.74                 | -715.2                              | 12.0         | 322.6                  | 263.4                   | 59.22                     | 5.448              |          |
| 8,600.0                                                                    | 8,565.5               | 8,569.0               | 8,503.4               | 30.5             | 32.6          | 11.18                 | -733.3                              | 9.4          | 326.1                  | 266.3                   | 59.83                     | 5.451              |          |
| 8,700.0                                                                    | 8,664.2               | 8,673.2               | 8,605.6               | 30.9             | 33.1          | 11.57                 | -753.6                              | 7.0          | 330.0                  | 269.3                   | 60.66                     | 5.439              |          |
| 8,800.0                                                                    | 8,762.9               | 8,780.1               | 8,710.7               | 31.3             | 33.5          | 11.96                 | -772.4                              | 4.9          | 331.9                  | 270.3                   | 61.55                     | 5.393              |          |
| 8,900.0                                                                    | 8,861.6               | 8,884.8               | 8,814.2               | 31.7             | 34.0          | 12.37                 | -788.8                              | 3.1          | 331.8                  | 269.5                   | 62.37                     | 5.321              |          |
| 8,923.4                                                                    | 8,884.7               | 8,906.5               | 8,835.6               | 31.8             | 34.1          | 12.49                 | -792.1                              | 2.5          | 331.8                  | 269.3                   | 62.51                     | 5.308              |          |
| 9,000.0                                                                    | 8,960.3               | 8,977.7               | 8,905.8               | 32.1             | 34.4          | 13.15                 | -803.4                              | -1.0         | 332.4                  | 269.5                   | 62.96                     | 5.281              |          |
| 9,100.0                                                                    | 9,059.0               | 9,073.0               | 8,999.5               | 32.5             | 34.8          | 14.23                 | -819.6                              | -7.1         | 334.8                  | 271.2                   | 63.58                     | 5.266              |          |
| 9,200.0                                                                    | 9,157.7               | 9,170.2               | 9,094.8               | 32.9             | 35.3          | 15.39                 | -837.1                              | -14.2        | 338.6                  | 274.3                   | 64.26                     | 5.269              |          |
| 9,300.0                                                                    | 9,256.4               | 9,281.0               | 9,203.8               | 33.3             | 35.8          | 16.87                 | -855.4                              | -22.8        | 341.1                  | 275.9                   | 65.25                     | 5.228              |          |
| 9,400.0                                                                    | 9,355.1               | 9,392.4               | 9,314.0               | 33.7             | 36.2          | 18.54                 | -869.6                              | -31.6        | 340.3                  | 274.1                   | 66.19                     | 5.141              |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #524H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 127-MWD                                                    |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 9,500.0                                                                    | 9,453.8               | 9,500.0               | 9,420.7               | 34.1             | 36.7          | 20.07                 | -880.7                              | -38.6        | 336.8                  | 269.8                   | 67.03                     | 5.025              |          |
| 9,600.0                                                                    | 9,552.5               | 9,605.7               | 9,525.9               | 34.5             | 37.1          | 21.58                 | -889.6                              | -44.6        | 331.5                  | 263.7                   | 67.83                     | 4.887              |          |
| 9,700.0                                                                    | 9,651.2               | 9,709.6               | 9,629.4               | 34.9             | 37.5          | 23.22                 | -896.5                              | -50.4        | 324.8                  | 256.2                   | 68.62                     | 4.734              |          |
| 9,800.0                                                                    | 9,749.9               | 9,811.5               | 9,731.0               | 35.3             | 37.8          | 24.94                 | -902.2                              | -55.9        | 317.3                  | 247.9                   | 69.39                     | 4.573              |          |
| 9,900.0                                                                    | 9,848.6               | 9,917.4               | 9,836.6               | 35.7             | 38.2          | 26.84                 | -906.8                              | -61.2        | 308.8                  | 238.6                   | 70.17                     | 4.400              |          |
| 10,000.0                                                                   | 9,947.3               | 10,022.2              | 9,941.4               | 36.1             | 38.6          | 28.93                 | -909.1                              | -65.7        | 298.4                  | 227.5                   | 70.94                     | 4.207              |          |
| 10,100.0                                                                   | 10,046.0              | 10,120.1              | 10,039.1              | 36.5             | 38.9          | 31.00                 | -910.6                              | -69.6        | 287.6                  | 215.9                   | 71.74                     | 4.009              |          |
| 10,200.0                                                                   | 10,144.7              | 10,219.7              | 10,138.6              | 36.9             | 39.3          | 33.20                 | -912.4                              | -73.2        | 277.3                  | 204.8                   | 72.56                     | 3.822              |          |
| 10,300.0                                                                   | 10,243.4              | 10,296.6              | 10,215.3              | 37.3             | 39.5          | 34.36                 | -917.5                              | -74.9        | 270.8                  | 197.5                   | 73.26                     | 3.697              |          |
| 10,319.2                                                                   | 10,262.4              | 10,310.9              | 10,229.5              | 37.4             | 39.6          | 34.40                 | -919.6                              | -74.9        | 270.6                  | 197.3                   | 73.32                     | 3.691 SF           |          |
| 10,400.0                                                                   | 10,342.1              | 10,371.9              | 10,289.1              | 37.7             | 39.9          | 34.04                 | -932.2                              | -74.4        | 273.6                  | 200.2                   | 73.38                     | 3.728              |          |
| 10,500.0                                                                   | 10,440.8              | 10,451.9              | 10,365.2              | 38.1             | 40.3          | 32.43                 | -956.6                              | -72.2        | 285.0                  | 211.8                   | 73.19                     | 3.894              |          |
| 10,600.0                                                                   | 10,539.5              | 10,537.6              | 10,445.0              | 38.5             | 40.7          | 30.05                 | -987.6                              | -68.1        | 301.1                  | 228.1                   | 73.05                     | 4.122              |          |
| 10,700.0                                                                   | 10,638.2              | 10,608.1              | 10,508.3              | 39.0             | 41.1          | 27.67                 | -1,018.3                            | -63.9        | 324.4                  | 252.6                   | 71.82                     | 4.517              |          |
| 10,800.0                                                                   | 10,736.9              | 10,670.2              | 10,561.0              | 39.4             | 41.5          | 25.18                 | -1,050.8                            | -59.1        | 356.7                  | 287.0                   | 69.74                     | 5.115              |          |
| 10,900.0                                                                   | 10,835.6              | 10,711.0              | 10,593.3              | 39.8             | 41.8          | 23.28                 | -1,075.2                            | -54.6        | 398.9                  | 333.1                   | 65.81                     | 6.061              |          |
| 11,000.0                                                                   | 10,934.3              | 10,760.3              | 10,629.1              | 40.2             | 42.1          | 20.99                 | -1,108.7                            | -49.3        | 450.6                  | 387.7                   | 62.84                     | 7.170              |          |
| 11,100.0                                                                   | 11,033.0              | 10,807.0              | 10,658.7              | 40.6             | 42.5          | 19.05                 | -1,144.6                            | -45.6        | 511.9                  | 451.7                   | 60.18                     | 8.506              |          |
| 11,200.0                                                                   | 11,131.7              | 10,826.1              | 10,669.7              | 41.0             | 42.6          | 18.33                 | -1,160.2                            | -44.4        | 579.2                  | 523.3                   | 55.92                     | 10.358             |          |
| 11,300.0                                                                   | 11,230.4              | 10,858.5              | 10,687.0              | 41.4             | 42.9          | 17.16                 | -1,187.5                            | -42.3        | 651.7                  | 598.3                   | 53.39                     | 12.207             |          |
| 11,400.0                                                                   | 11,329.1              | 10,903.0              | 10,708.2              | 41.9             | 43.2          | 15.66                 | -1,226.5                            | -39.2        | 728.5                  | 676.3                   | 52.20                     | 13.954             |          |
| 11,500.0                                                                   | 11,427.8              | 10,903.0              | 10,708.2              | 42.3             | 43.2          | 15.66                 | -1,226.5                            | -39.2        | 807.7                  | 759.1                   | 48.62                     | 16.612             |          |
| 11,535.3                                                                   | 11,462.6              | 10,903.0              | 10,708.2              | 42.4             | 43.2          | 15.66                 | -1,226.5                            | -39.2        | 836.8                  | 789.2                   | 47.53                     | 17.605             |          |
| 11,600.0                                                                   | 11,526.5              | 10,939.1              | 10,723.5              | 42.7             | 43.5          | 14.99                 | -1,259.2                            | -37.4        | 889.8                  | 842.1                   | 47.77                     | 18.629             |          |
| 11,700.0                                                                   | 11,625.7              | 10,961.6              | 10,732.2              | 43.1             | 43.7          | 15.06                 | -1,279.8                            | -36.9        | 975.3                  | 928.7                   | 46.54                     | 20.955             |          |
| 11,800.0                                                                   | 11,725.1              | 10,999.0              | 10,745.6              | 43.5             | 44.0          | 14.94                 | -1,314.8                            | -37.5        | 1,063.8                | 1,017.4                 | 46.40                     | 22.925             |          |
| 11,900.0                                                                   | 11,824.8              | 10,999.0              | 10,745.6              | 43.9             | 44.0          | 15.76                 | -1,314.8                            | -37.5        | 1,153.9                | 1,109.1                 | 44.80                     | 25.757             |          |
| 12,000.0                                                                   | 11,924.7              | 10,999.0              | 10,745.6              | 44.2             | 44.0          | 16.79                 | -1,314.8                            | -37.5        | 1,246.4                | 1,202.8                 | 43.59                     | 28.596             |          |
| 12,100.0                                                                   | 12,024.6              | 10,999.0              | 10,745.6              | 44.6             | 44.0          | 18.09                 | -1,314.8                            | -37.5        | 1,340.8                | 1,298.1                 | 42.69                     | 31.408             |          |
| 12,152.4                                                                   | 12,077.0              | 11,031.5              | 10,755.8              | 44.7             | 44.3          | -163.84               | -1,345.6                            | -38.9        | 1,389.9                | 1,346.4                 | 43.48                     | 31.965             |          |
| 12,200.0                                                                   | 12,124.6              | 11,037.2              | 10,757.5              | 44.9             | 44.4          | 9.58                  | -1,351.0                            | -39.1        | 1,434.7                | 1,391.4                 | 43.29                     | 33.141             |          |
| 12,250.0                                                                   | 12,174.2              | 11,044.3              | 10,759.5              | 45.1             | 44.5          | 7.80                  | -1,357.8                            | -39.5        | 1,480.3                | 1,437.2                 | 43.04                     | 34.395             |          |
| 12,300.0                                                                   | 12,223.0              | 11,052.5              | 10,761.8              | 45.3             | 44.5          | 6.57                  | -1,365.7                            | -40.0        | 1,524.2                | 1,481.4                 | 42.74                     | 35.662             |          |
| 12,350.0                                                                   | 12,270.7              | 11,061.7              | 10,764.2              | 45.6             | 44.6          | 5.69                  | -1,374.5                            | -40.6        | 1,566.2                | 1,523.8                 | 42.40                     | 36.936             |          |
| 12,400.0                                                                   | 12,317.0              | 11,095.0              | 10,772.2              | 45.8             | 44.9          | 4.95                  | -1,406.7                            | -43.1        | 1,606.5                | 1,563.8                 | 42.74                     | 37.588             |          |
| 12,450.0                                                                   | 12,361.4              | 11,095.0              | 10,772.2              | 46.1             | 44.9          | 4.49                  | -1,406.7                            | -43.1        | 1,643.7                | 1,601.7                 | 42.00                     | 39.138             |          |
| 12,500.0                                                                   | 12,403.7              | 11,095.0              | 10,772.2              | 46.4             | 44.9          | 4.13                  | -1,406.7                            | -43.1        | 1,678.5                | 1,637.3                 | 41.24                     | 40.705             |          |
| 12,550.0                                                                   | 12,443.5              | 11,115.3              | 10,776.7              | 46.7             | 45.1          | 3.81                  | -1,426.5                            | -44.8        | 1,710.8                | 1,669.8                 | 41.02                     | 41.709             |          |
| 12,600.0                                                                   | 12,480.5              | 11,138.7              | 10,781.5              | 47.1             | 45.3          | 3.56                  | -1,449.2                            | -46.8        | 1,740.0                | 1,699.2                 | 40.83                     | 42.611             |          |
| 12,650.0                                                                   | 12,514.4              | 11,163.0              | 10,786.3              | 47.4             | 45.6          | 3.38                  | -1,473.0                            | -49.2        | 1,766.0                | 1,725.4                 | 40.64                     | 43.455             |          |
| 12,700.0                                                                   | 12,545.0              | 11,191.0              | 10,791.5              | 47.8             | 45.8          | 3.24                  | -1,500.3                            | -52.0        | 1,788.7                | 1,748.2                 | 40.50                     | 44.160             |          |
| 12,750.0                                                                   | 12,572.0              | 11,191.0              | 10,791.5              | 48.1             | 45.8          | 3.12                  | -1,500.3                            | -52.0        | 1,808.2                | 1,768.5                 | 39.67                     | 45.586             |          |
| 12,800.0                                                                   | 12,595.3              | 11,191.0              | 10,791.5              | 48.5             | 45.8          | 3.02                  | -1,500.3                            | -52.0        | 1,824.8                | 1,785.9                 | 38.86                     | 46.954             |          |
| 12,850.0                                                                   | 12,614.6              | 11,231.4              | 10,797.8              | 48.9             | 46.2          | 2.98                  | -1,540.0                            | -55.9        | 1,837.0                | 1,798.0                 | 38.97                     | 47.139             |          |
| 12,900.0                                                                   | 12,629.8              | 11,245.7              | 10,799.5              | 49.3             | 46.3          | 2.93                  | -1,554.2                            | -57.2        | 1,846.5                | 1,808.0                 | 38.50                     | 47.958             |          |
| 12,950.0                                                                   | 12,640.8              | 11,287.0              | 10,802.9              | 49.7             | 46.7          | 2.90                  | -1,595.2                            | -60.4        | 1,853.3                | 1,814.7                 | 38.60                     | 48.015             |          |
| 13,000.0                                                                   | 12,647.6              | 11,287.0              | 10,802.9              | 50.1             | 46.7          | 2.89                  | -1,595.2                            | -60.4        | 1,855.6                | 1,817.7                 | 37.88                     | 48.981             |          |
| 13,052.4                                                                   | 12,650.0              | 11,301.4              | 10,803.7              | 50.5             | 46.9          | 2.90                  | -1,609.6                            | -61.5        | 1,854.6                | 1,817.1                 | 37.47                     | 49.501             |          |
| 13,100.0                                                                   | 12,650.0              | 11,371.8              | 10,808.1              | 50.9             | 47.6          | 2.99                  | -1,679.6                            | -66.4        | 1,851.7                | 1,813.5                 | 38.13                     | 48.564             |          |
| 13,200.0                                                                   | 12,650.0              | 11,446.7              | 10,812.9              | 51.8             | 48.3          | 3.24                  | -1,754.1                            | -73.1        | 1,845.5                | 1,807.2                 | 38.27                     | 48.218             |          |
| 13,267.5                                                                   | 12,650.0              | 11,478.0              | 10,814.7              | 52.4             | 48.7          | 3.42                  | -1,785.1                            | -77.0        | 1,842.5                | 1,804.4                 | 38.10                     | 48.360             |          |
| 13,300.0                                                                   | 12,650.0              | 11,506.6              | 10,815.9              | 52.7             | 49.0          | 3.54                  | -1,813.4                            | -80.8        | 1,841.3                | 1,803.1                 | 38.27                     | 48.112             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #524H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 127-MWD                                                    |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 13,400.0                                                                   | 12,650.0              | 11,574.0              | 10,817.3              | 53.6             | 49.7          | 3.83                  | -1,880.2                            | -89.4        | 1,839.8                | 1,801.3                 | 38.50                     | 47.793             |          |
| 13,500.0                                                                   | 12,650.0              | 11,689.2              | 10,819.1              | 54.6             | 50.9          | 4.15                  | -1,995.0                            | -99.0        | 1,839.0                | 1,799.5                 | 39.52                     | 46.529             |          |
| 13,600.0                                                                   | 12,650.0              | 11,801.9              | 10,822.1              | 55.6             | 52.2          | 4.39                  | -2,107.4                            | -105.8       | 1,836.8                | 1,796.3                 | 40.56                     | 45.288             |          |
| 13,700.0                                                                   | 12,650.0              | 11,881.9              | 10,824.3              | 56.6             | 53.1          | 4.45                  | -2,187.5                            | -107.0       | 1,834.4                | 1,793.3                 | 41.06                     | 44.671             |          |
| 13,761.5                                                                   | 12,650.0              | 11,916.0              | 10,824.6              | 57.2             | 53.5          | 4.46                  | -2,221.5                            | -107.0       | 1,833.9                | 1,792.8                 | 41.16                     | 44.551             |          |
| 13,800.0                                                                   | 12,650.0              | 11,938.0              | 10,824.5              | 57.6             | 53.7          | 4.46                  | -2,243.5                            | -106.9       | 1,834.1                | 1,792.8                 | 41.25                     | 44.464             |          |
| 13,900.0                                                                   | 12,650.0              | 12,070.5              | 10,825.8              | 58.7             | 55.3          | 4.46                  | -2,376.0                            | -106.0       | 1,832.8                | 1,790.2                 | 42.61                     | 43.012             |          |
| 13,940.0                                                                   | 12,650.0              | 12,094.5              | 10,825.9              | 59.2             | 55.5          | 4.46                  | -2,400.0                            | -105.9       | 1,832.6                | 1,789.9                 | 42.73                     | 42.885             |          |
| 14,000.0                                                                   | 12,650.0              | 12,138.5              | 10,825.6              | 59.8             | 56.1          | 4.47                  | -2,444.0                            | -105.9       | 1,833.0                | 1,789.9                 | 43.05                     | 42.577             |          |
| 14,100.0                                                                   | 12,650.0              | 12,234.9              | 10,825.0              | 61.0             | 57.2          | 4.52                  | -2,540.3                            | -107.2       | 1,833.8                | 1,789.8                 | 43.97                     | 41.705             |          |
| 14,200.0                                                                   | 12,650.0              | 12,319.8              | 10,823.9              | 62.1             | 58.3          | 4.64                  | -2,625.2                            | -110.3       | 1,835.4                | 1,790.6                 | 44.79                     | 40.982             |          |
| 14,300.0                                                                   | 12,650.0              | 14,300.0              | 10,823.9              | 63.3             | 83.5          | 4.89                  | -2,771.8                            | -117.7       | 1,835.8                | 1,778.7                 | 57.04                     | 32.185             |          |
| 14,400.0                                                                   | 12,650.0              | 12,581.1              | 10,826.5              | 64.5             | 61.6          | 5.12                  | -2,886.1                            | -124.1       | 1,833.9                | 1,785.9                 | 48.02                     | 38.194             |          |
| 14,500.0                                                                   | 12,650.0              | 12,727.6              | 10,830.2              | 65.7             | 63.5          | 5.24                  | -3,032.5                            | -126.8       | 1,831.9                | 1,781.9                 | 49.95                     | 36.673             |          |
| 14,600.0                                                                   | 12,650.0              | 12,894.4              | 10,841.5              | 67.0             | 65.8          | 5.27                  | -3,198.9                            | -125.7       | 1,824.4                | 1,772.1                 | 52.31                     | 34.876             |          |
| 14,700.0                                                                   | 12,650.0              | 12,963.0              | 10,845.4              | 68.2             | 66.7          | 5.26                  | -3,267.4                            | -124.5       | 1,818.4                | 1,765.5                 | 52.87                     | 34.395             |          |
| 14,800.0                                                                   | 12,650.0              | 12,963.0              | 10,845.4              | 69.5             | 66.7          | 5.26                  | -3,267.4                            | -124.5       | 1,815.3                | 1,762.9                 | 52.32                     | 34.695             |          |
| 14,851.1                                                                   | 12,650.0              | 13,006.9              | 10,846.1              | 70.2             | 67.3          | 5.25                  | -3,311.2                            | -123.8       | 1,814.4                | 1,761.6                 | 52.80                     | 34.361             |          |
| 14,900.0                                                                   | 12,650.0              | 13,026.1              | 10,846.0              | 70.8             | 67.5          | 5.24                  | -3,330.5                            | -123.4       | 1,814.8                | 1,761.9                 | 52.92                     | 34.294             |          |
| 15,000.0                                                                   | 12,650.0              | 13,078.7              | 10,844.0              | 72.1             | 68.3          | 5.20                  | -3,383.0                            | -122.1       | 1,818.1                | 1,764.7                 | 53.41                     | 34.041             |          |
| 15,100.0                                                                   | 12,650.0              | 13,186.6              | 10,839.5              | 73.4             | 69.7          | 5.07                  | -3,490.7                            | -117.7       | 1,821.9                | 1,767.2                 | 54.66                     | 33.330             |          |
| 15,200.0                                                                   | 12,650.0              | 13,358.8              | 10,834.7              | 74.8             | 72.1          | 4.97                  | -3,662.7                            | -113.9       | 1,825.1                | 1,768.2                 | 56.94                     | 32.054             |          |
| 15,213.0                                                                   | 12,650.0              | 13,369.2              | 10,834.7              | 74.9             | 72.3          | 4.98                  | -3,673.1                            | -114.0       | 1,825.1                | 1,768.0                 | 57.06                     | 31.984             |          |
| 15,300.0                                                                   | 12,650.0              | 13,438.7              | 10,834.5              | 76.1             | 73.2          | 5.02                  | -3,742.6                            | -115.0       | 1,825.5                | 1,767.6                 | 57.90                     | 31.527             |          |
| 15,400.0                                                                   | 12,650.0              | 13,540.6              | 10,833.8              | 77.5             | 74.7          | 5.12                  | -3,844.5                            | -117.4       | 1,826.5                | 1,767.2                 | 59.26                     | 30.823             |          |
| 15,500.0                                                                   | 12,650.0              | 13,708.6              | 10,836.2              | 78.8             | 77.1          | 5.34                  | -4,012.3                            | -123.3       | 1,825.4                | 1,763.7                 | 61.77                     | 29.553             |          |
| 15,600.0                                                                   | 12,650.0              | 13,796.1              | 10,839.0              | 80.2             | 78.3          | 5.46                  | -4,099.7                            | -126.3       | 1,822.6                | 1,759.7                 | 62.94                     | 28.961             |          |
| 15,700.0                                                                   | 12,650.0              | 13,887.5              | 10,840.7              | 81.6             | 79.7          | 5.47                  | -4,191.2                            | -126.0       | 1,820.9                | 1,756.7                 | 64.12                     | 28.397             |          |
| 15,800.0                                                                   | 12,650.0              | 14,001.0              | 10,843.0              | 83.0             | 81.3          | 5.50                  | -4,304.6                            | -126.0       | 1,818.9                | 1,753.2                 | 65.69                     | 27.689             |          |
| 15,900.0                                                                   | 12,650.0              | 14,158.4              | 10,850.2              | 84.4             | 83.6          | 5.52                  | -4,461.8                            | -125.0       | 1,814.0                | 1,746.0                 | 68.01                     | 26.674             |          |
| 16,000.0                                                                   | 12,650.0              | 14,243.3              | 10,854.5              | 85.9             | 84.9          | 5.49                  | -4,546.6                            | -123.0       | 1,808.8                | 1,739.7                 | 69.09                     | 26.183             |          |
| 16,100.0                                                                   | 12,650.0              | 14,329.8              | 10,858.1              | 87.3             | 86.2          | 5.46                  | -4,633.0                            | -121.1       | 1,804.5                | 1,734.3                 | 70.20                     | 25.703             |          |
| 16,200.0                                                                   | 12,650.0              | 14,431.2              | 10,862.0              | 88.7             | 87.7          | 5.43                  | -4,734.3                            | -119.4       | 1,800.6                | 1,729.0                 | 71.59                     | 25.153             |          |
| 16,300.0                                                                   | 12,650.0              | 14,538.8              | 10,866.8              | 90.2             | 89.3          | 5.39                  | -4,841.8                            | -117.0       | 1,795.9                | 1,722.9                 | 73.07                     | 24.579             |          |
| 16,400.0                                                                   | 12,650.0              | 14,618.2              | 10,870.0              | 91.6             | 90.5          | 5.36                  | -4,921.1                            | -115.3       | 1,791.9                | 1,717.8                 | 74.10                     | 24.182             |          |
| 16,500.0                                                                   | 12,650.0              | 14,688.0              | 10,871.6              | 93.1             | 91.5          | 5.32                  | -4,990.8                            | -113.4       | 1,789.3                | 1,714.3                 | 74.97                     | 23.865             |          |
| 16,600.0                                                                   | 12,650.0              | 14,782.4              | 10,872.9              | 94.5             | 92.9          | 5.26                  | -5,085.2                            | -110.8       | 1,787.8                | 1,711.5                 | 76.25                     | 23.447             |          |
| 16,700.0                                                                   | 12,650.0              | 14,911.5              | 10,876.4              | 96.0             | 94.9          | 5.20                  | -5,214.2                            | -107.9       | 1,784.8                | 1,706.7                 | 78.09                     | 22.854             |          |
| 16,800.0                                                                   | 12,650.0              | 14,982.2              | 10,877.8              | 97.5             | 96.0          | 5.19                  | -5,284.9                            | -106.9       | 1,782.6                | 1,703.6                 | 79.03                     | 22.557             |          |
| 16,900.0                                                                   | 12,650.0              | 15,090.1              | 10,879.6              | 99.0             | 97.6          | 5.14                  | -5,392.8                            | -104.6       | 1,780.9                | 1,700.3                 | 80.55                     | 22.110             |          |
| 17,000.0                                                                   | 12,650.0              | 15,167.0              | 10,880.6              | 100.5            | 98.8          | 5.12                  | -5,469.6                            | -103.2       | 1,779.5                | 1,697.9                 | 81.59                     | 21.811             |          |
| 17,032.9                                                                   | 12,650.0              | 15,187.4              | 10,880.7              | 100.9            | 99.1          | 5.11                  | -5,490.0                            | -103.0       | 1,779.3                | 1,697.5                 | 81.85                     | 21.738             |          |
| 17,100.0                                                                   | 12,650.0              | 15,219.4              | 10,880.3              | 101.9            | 99.6          | 5.11                  | -5,522.0                            | -102.7       | 1,780.1                | 1,697.9                 | 82.25                     | 21.642             |          |
| 17,200.0                                                                   | 12,650.0              | 15,271.7              | 10,878.4              | 103.4            | 100.4         | 5.10                  | -5,574.3                            | -102.2       | 1,783.7                | 1,700.8                 | 82.93                     | 21.509             |          |
| 17,300.0                                                                   | 12,650.0              | 15,453.9              | 10,871.4              | 104.9            | 103.2         | 5.02                  | -5,756.3                            | -99.4        | 1,788.5                | 1,702.9                 | 85.62                     | 20.888             |          |
| 17,400.0                                                                   | 12,650.0              | 15,575.4              | 10,871.7              | 106.5            | 105.0         | 4.95                  | -5,877.7                            | -96.4        | 1,788.0                | 1,700.7                 | 87.37                     | 20.466             |          |
| 17,500.0                                                                   | 12,650.0              | 15,691.9              | 10,873.2              | 108.0            | 106.8         | 4.91                  | -5,994.2                            | -94.2        | 1,786.7                | 1,697.6                 | 89.05                     | 20.063             |          |
| 17,600.0                                                                   | 12,650.0              | 15,795.8              | 10,875.5              | 109.5            | 108.4         | 4.91                  | -6,098.1                            | -93.3        | 1,784.4                | 1,693.8                 | 90.57                     | 19.702             |          |
| 17,700.0                                                                   | 12,650.0              | 15,918.7              | 10,878.5              | 111.0            | 110.3         | 4.92                  | -6,221.0                            | -92.6        | 1,782.1                | 1,689.7                 | 92.40                     | 19.286             |          |
| 17,800.0                                                                   | 12,650.0              | 15,983.9              | 10,880.3              | 112.5            | 111.4         | 4.92                  | -6,286.1                            | -92.2        | 1,779.4                | 1,686.1                 | 93.32                     | 19.067             |          |
| 17,850.9                                                                   | 12,650.0              | 16,012.5              | 10,880.5              | 113.3            | 111.8         | 4.91                  | -6,314.7                            | -91.7        | 1,779.0                | 1,685.3                 | 93.71                     | 18.983             |          |
| 17,900.0                                                                   | 12,650.0              | 16,048.9              | 10,880.4              | 114.1            | 112.4         | 4.90                  | -6,351.2                            | -90.9        | 1,779.1                | 1,684.9                 | 94.22                     | 18.882             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #524H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 127-MWD                                                    |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               | Distance              |                                     |              |                        |                         |                           |                    |          |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  | Warning  |
| 18,000.0                                                                   | 12,650.0              | 16,149.9              | 10,879.7              | 115.6            | 113.9         | 4.85                  | -6,452.1                            | -89.0        | 1,779.7                | 1,684.0                 | 95.68                     | 18.600             |          |
| 18,100.0                                                                   | 12,650.0              | 16,253.4              | 10,879.4              | 117.1            | 115.5         | 4.83                  | -6,555.6                            | -87.7        | 1,779.9                | 1,682.7                 | 97.19                     | 18.312             |          |
| 18,200.0                                                                   | 12,650.0              | 16,351.3              | 10,878.9              | 118.7            | 117.1         | 4.78                  | -6,653.4                            | -85.4        | 1,780.3                | 1,681.7                 | 98.60                     | 18.055             |          |
| 18,300.0                                                                   | 12,650.0              | 16,444.6              | 10,878.4              | 120.2            | 118.5         | 4.71                  | -6,746.8                            | -82.7        | 1,780.6                | 1,680.7                 | 99.93                     | 17.819             |          |
| 18,400.0                                                                   | 12,650.0              | 16,550.4              | 10,877.2              | 121.8            | 120.2         | 4.69                  | -6,852.5                            | -81.7        | 1,781.8                | 1,680.3                 | 101.50                    | 17.555             |          |
| 18,477.6                                                                   | 12,650.0              | 16,635.4              | 10,877.4              | 123.0            | 121.5         | 4.69                  | -6,937.5                            | -81.1        | 1,781.5                | 1,678.8                 | 102.77                    | 17.335             |          |
| 18,500.0                                                                   | 12,650.0              | 16,651.5              | 10,877.4              | 123.3            | 121.8         | 4.69                  | -6,953.7                            | -81.1        | 1,781.6                | 1,678.6                 | 103.00                    | 17.296             |          |
| 18,600.0                                                                   | 12,650.0              | 16,753.6              | 10,876.7              | 124.9            | 123.4         | 4.74                  | -7,055.7                            | -82.1        | 1,782.4                | 1,677.8                 | 104.56                    | 17.045             |          |
| 18,700.0                                                                   | 12,650.0              | 16,858.6              | 10,877.1              | 126.4            | 125.0         | 4.81                  | -7,160.7                            | -83.4        | 1,782.2                | 1,676.0                 | 106.19                    | 16.783             |          |
| 18,709.1                                                                   | 12,650.0              | 16,867.0              | 10,877.1              | 126.5            | 125.2         | 4.81                  | -7,169.1                            | -83.6        | 1,782.2                | 1,675.8                 | 106.32                    | 16.763             |          |
| 18,800.0                                                                   | 12,650.0              | 16,928.7              | 10,876.9              | 128.0            | 126.1         | 4.88                  | -7,230.8                            | -85.3        | 1,782.8                | 1,675.5                 | 107.27                    | 16.620             |          |
| 18,900.0                                                                   | 12,650.0              | 17,003.0              | 10,875.1              | 129.5            | 127.3         | 4.98                  | -7,305.0                            | -88.0        | 1,785.5                | 1,677.0                 | 108.43                    | 16.467             |          |
| 19,000.0                                                                   | 12,650.0              | 17,175.6              | 10,873.6              | 131.1            | 130.0         | 5.17                  | -7,477.5                            | -93.1        | 1,786.7                | 1,675.5                 | 111.23                    | 16.063             |          |
| 19,061.4                                                                   | 12,650.0              | 17,219.6              | 10,873.9              | 132.0            | 130.7         | 5.21                  | -7,521.5                            | -94.2        | 1,786.5                | 1,674.5                 | 111.93                    | 15.961             |          |
| 19,100.0                                                                   | 12,650.0              | 17,248.2              | 10,873.9              | 132.6            | 131.2         | 5.24                  | -7,559.1                            | -94.9        | 1,786.6                | 1,674.2                 | 112.38                    | 15.898             |          |
| 19,200.0                                                                   | 12,650.0              | 17,365.5              | 10,873.8              | 134.2            | 133.0         | 5.34                  | -7,667.4                            | -97.2        | 1,787.0                | 1,672.7                 | 114.24                    | 15.642             |          |
| 19,209.3                                                                   | 12,650.0              | 17,378.0              | 10,873.9              | 134.4            | 133.2         | 5.35                  | -7,679.8                            | -97.4        | 1,786.9                | 1,672.5                 | 114.44                    | 15.615             |          |
| 19,300.0                                                                   | 12,650.0              | 17,420.0              | 10,873.4              | 135.8            | 133.9         | 5.38                  | -7,721.8                            | -98.1        | 1,787.9                | 1,672.8                 | 115.08                    | 15.536             |          |
| 19,400.0                                                                   | 12,650.0              | 17,490.2              | 10,871.1              | 137.3            | 135.0         | 5.42                  | -7,792.0                            | -99.3        | 1,791.1                | 1,675.0                 | 116.15                    | 15.421             |          |
| 19,500.0                                                                   | 12,650.0              | 17,603.5              | 10,867.5              | 138.9            | 136.8         | 5.51                  | -7,905.2                            | -101.7       | 1,794.6                | 1,676.7                 | 117.96                    | 15.214             |          |
| 19,600.0                                                                   | 12,650.0              | 17,756.6              | 10,865.3              | 140.5            | 139.2         | 5.61                  | -8,058.2                            | -104.3       | 1,796.3                | 1,675.9                 | 120.42                    | 14.918             |          |
| 19,700.0                                                                   | 12,650.0              | 17,825.8              | 10,864.7              | 142.1            | 140.3         | 5.63                  | -8,127.5                            | -104.5       | 1,797.3                | 1,675.8                 | 121.48                    | 14.795             |          |
| 19,800.0                                                                   | 12,650.0              | 17,979.9              | 10,863.4              | 143.6            | 142.8         | 5.63                  | -8,281.6                            | -103.5       | 1,798.4                | 1,674.5                 | 123.83                    | 14.523             |          |
| 19,900.0                                                                   | 12,650.0              | 18,077.4              | 10,865.3              | 145.2            | 144.4         | 5.59                  | -8,379.0                            | -101.7       | 1,796.4                | 1,671.1                 | 125.29                    | 14.338             |          |
| 19,943.4                                                                   | 12,650.0              | 18,101.9              | 10,865.4              | 145.9            | 144.7         | 5.58                  | -8,403.5                            | -101.2       | 1,796.1                | 1,670.5                 | 125.66                    | 14.294             |          |
| 20,000.0                                                                   | 12,650.0              | 18,142.1              | 10,865.0              | 146.8            | 145.4         | 5.57                  | -8,443.7                            | -100.6       | 1,796.5                | 1,670.3                 | 126.26                    | 14.229             |          |
| 20,100.0                                                                   | 12,650.0              | 18,261.9              | 10,865.3              | 148.4            | 147.3         | 5.55                  | -8,563.5                            | -99.2        | 1,796.1                | 1,668.0                 | 128.07                    | 14.024             |          |
| 20,110.5                                                                   | 12,650.0              | 18,269.0              | 10,865.3              | 148.6            | 147.4         | 5.55                  | -8,570.6                            | -99.1        | 1,796.1                | 1,667.9                 | 128.18                    | 14.012             |          |
| 20,200.0                                                                   | 12,650.0              | 18,334.2              | 10,864.7              | 150.0            | 148.5         | 5.52                  | -8,635.8                            | -97.9        | 1,796.8                | 1,667.6                 | 129.15                    | 13.912             |          |
| 20,300.0                                                                   | 12,650.0              | 18,440.3              | 10,863.4              | 151.6            | 150.2         | 5.46                  | -8,741.8                            | -95.6        | 1,797.9                | 1,667.2                 | 130.72                    | 13.754             |          |
| 20,400.0                                                                   | 12,650.0              | 18,538.1              | 10,862.0              | 153.2            | 151.7         | 5.41                  | -8,839.6                            | -93.5        | 1,799.1                | 1,666.9                 | 132.17                    | 13.612             |          |
| 20,500.0                                                                   | 12,650.0              | 18,633.3              | 10,861.2              | 154.7            | 153.3         | 5.38                  | -8,934.8                            | -91.8        | 1,799.9                | 1,666.3                 | 133.59                    | 13.473             |          |
| 20,600.0                                                                   | 12,650.0              | 18,689.1              | 10,859.7              | 156.3            | 154.1         | 5.37                  | -8,990.5                            | -91.3        | 1,802.5                | 1,668.1                 | 134.41                    | 13.411             |          |
| 20,700.0                                                                   | 12,650.0              | 18,777.6              | 10,855.8              | 157.9            | 155.6         | 5.37                  | -9,078.9                            | -91.3        | 1,807.0                | 1,671.2                 | 135.76                    | 13.310             |          |
| 20,800.0                                                                   | 12,650.0              | 18,894.1              | 10,851.1              | 159.5            | 157.4         | 5.41                  | -9,195.3                            | -92.3        | 1,811.1                | 1,673.5                 | 137.61                    | 13.161             |          |
| 20,900.0                                                                   | 12,650.0              | 19,061.4              | 10,848.1              | 161.1            | 160.1         | 5.50                  | -9,362.7                            | -94.4        | 1,813.2                | 1,672.9                 | 140.30                    | 12.924             |          |
| 21,000.0                                                                   | 12,650.0              | 19,171.2              | 10,849.3              | 162.7            | 161.9         | 5.61                  | -9,472.3                            | -97.1        | 1,812.5                | 1,670.4                 | 142.10                    | 12.755             |          |
| 21,020.6                                                                   | 12,650.0              | 19,190.7              | 10,849.4              | 163.0            | 162.2         | 5.63                  | -9,491.9                            | -97.6        | 1,812.3                | 1,669.9                 | 142.42                    | 12.725             |          |
| 21,100.0                                                                   | 12,650.0              | 19,222.8              | 10,849.2              | 164.3            | 162.7         | 5.66                  | -9,523.9                            | -98.2        | 1,813.0                | 1,670.0                 | 142.95                    | 12.682             |          |
| 21,200.0                                                                   | 12,650.0              | 19,280.0              | 10,847.0              | 165.9            | 163.6         | 5.66                  | -9,581.1                            | -98.3        | 1,816.6                | 1,672.8                 | 143.81                    | 12.632             |          |
| 21,300.0                                                                   | 12,650.0              | 19,332.1              | 10,843.6              | 167.5            | 164.5         | 5.65                  | -9,633.1                            | -98.0        | 1,822.6                | 1,678.1                 | 144.51                    | 12.613             |          |
| 21,400.0                                                                   | 12,650.0              | 19,511.6              | 10,833.8              | 169.1            | 167.4         | 5.61                  | -9,812.3                            | -96.4        | 1,828.6                | 1,681.2                 | 147.36                    | 12.409             |          |
| 21,500.0                                                                   | 12,650.0              | 19,686.9              | 10,833.7              | 170.7            | 170.2         | 5.62                  | -9,987.5                            | -95.8        | 1,828.3                | 1,678.3                 | 150.05                    | 12.185             |          |
| 21,554.2                                                                   | 12,650.0              | 19,713.6              | 10,833.9              | 171.6            | 170.6         | 5.63                  | -10,014.3                           | -95.8        | 1,827.9                | 1,677.4                 | 150.50                    | 12.146             |          |
| 21,600.0                                                                   | 12,650.0              | 19,736.2              | 10,833.8              | 172.3            | 171.0         | 5.63                  | -10,036.9                           | -95.7        | 1,828.2                | 1,677.3                 | 150.86                    | 12.119             |          |
| 21,700.0                                                                   | 12,650.0              | 19,799.9              | 10,832.1              | 173.9            | 172.0         | 5.61                  | -10,100.5                           | -94.9        | 1,830.6                | 1,678.8                 | 151.82                    | 12.058             |          |
| 21,800.0                                                                   | 12,650.0              | 19,885.9              | 10,828.7              | 175.5            | 173.4         | 5.59                  | -10,186.4                           | -94.1        | 1,834.5                | 1,681.4                 | 153.11                    | 11.981             |          |
| 21,900.0                                                                   | 12,650.0              | 20,020.6              | 10,824.3              | 177.1            | 175.6         | 5.60                  | -10,321.1                           | -93.8        | 1,837.9                | 1,682.6                 | 155.23                    | 11.840             |          |
| 22,000.0                                                                   | 12,650.0              | 20,187.8              | 10,824.6              | 178.7            | 178.3         | 5.67                  | -10,488.3                           | -95.0        | 1,837.6                | 1,679.7                 | 157.85                    | 11.641             |          |
| 22,100.0                                                                   | 12,650.0              | 20,277.9              | 10,826.0              | 180.3            | 179.7         | 5.68                  | -10,578.4                           | -94.8        | 1,836.1                | 1,676.8                 | 159.29                    | 11.527             |          |
| 22,173.3                                                                   | 12,650.0              | 20,333.0              | 10,826.2              | 181.5            | 180.6         | 5.64                  | -10,633.4                           | -93.2        | 1,835.7                | 1,675.6                 | 160.12                    | 11.464             |          |
| 22,200.0                                                                   | 12,650.0              | 20,333.0              | 10,826.2              | 182.0            | 180.6         | 5.64                  | -10,633.4                           | -93.2        | 1,835.9                | 1,675.8                 | 160.14                    | 11.464             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| <b>Offset Design</b> Blue Chip - Blue Chip 14 Fed Com #524H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | <b>Offset Site Error:</b> | 0.0 usft |
|-----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|----------|
| Survey Program: 127-MWD                                                           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | <b>Offset Well Error:</b> | 0.0 usft |
| Reference                                                                         |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                           | Warning  |
| Measured Depth (usft)                                                             | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor         |          |
| 22,300.0                                                                          | 12,650.0              | 20,401.4              | 10,824.9              | 183.6            | 181.7         | 5.57                  | -10,701.8                           | -90.6        | 1,837.7                | 1,676.6                 | 161.11                    | 11.407                    |          |
| 22,400.0                                                                          | 12,650.0              | 20,482.8              | 10,821.3              | 185.2            | 183.1         | 5.49                  | -10,783.1                           | -87.8        | 1,841.8                | 1,679.5                 | 162.26                    | 11.351                    |          |
| 22,500.0                                                                          | 12,650.0              | 20,583.2              | 10,817.1              | 186.8            | 184.7         | 5.44                  | -10,883.3                           | -85.9        | 1,845.8                | 1,682.1                 | 163.76                    | 11.272                    |          |
| 22,600.0                                                                          | 12,650.0              | 20,680.7              | 10,812.9              | 188.4            | 186.3         | 5.44                  | -10,980.8                           | -85.7        | 1,850.1                | 1,684.8                 | 165.27                    | 11.194                    |          |
| 22,700.0                                                                          | 12,650.0              | 20,782.4              | 10,808.7              | 190.0            | 187.9         | 5.46                  | -11,082.3                           | -86.3        | 1,854.3                | 1,687.5                 | 166.88                    | 11.112                    |          |
| 22,800.0                                                                          | 12,650.0              | 20,870.6              | 10,805.0              | 191.6            | 189.3         | 5.49                  | -11,170.4                           | -87.2        | 1,858.7                | 1,690.5                 | 168.28                    | 11.046                    |          |
| 22,884.1                                                                          | 12,650.0              | 20,952.9              | 10,800.9              | 193.0            | 190.7         | 5.52                  | -11,252.7                           | -87.7        | 1,863.0                | 1,693.4                 | 169.58                    | 10.986                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #551H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 29-MWD                                                     |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 0.0                                                                        | 0.0                   | 0.0                   | 0.0                   | 0.0              | 0.0           | 86.47                 | 110.7                               | 1,793.7      | 1,797.2                |                         |                           |                    |          |
| 100.0                                                                      | 100.0                 | 98.8                  | 98.8                  | 0.1              | 0.2           | 86.47                 | 110.8                               | 1,793.6      | 1,797.0                | 1,796.7                 | 0.38                      | 4,741.756          |          |
| 200.0                                                                      | 200.0                 | 211.1                 | 211.1                 | 0.5              | 0.6           | 86.46                 | 110.9                               | 1,792.9      | 1,796.4                | 1,795.3                 | 1.14                      | 1,577.260          |          |
| 300.0                                                                      | 300.0                 | 311.7                 | 311.7                 | 0.8              | 1.0           | 86.45                 | 111.1                               | 1,791.7      | 1,795.3                | 1,793.4                 | 1.86                      | 967.644            |          |
| 400.0                                                                      | 400.0                 | 411.2                 | 411.2                 | 1.2              | 1.4           | 86.45                 | 111.1                               | 1,790.7      | 1,794.3                | 1,791.7                 | 2.57                      | 699.080            |          |
| 500.0                                                                      | 500.0                 | 520.6                 | 520.5                 | 1.6              | 1.8           | 86.45                 | 110.9                               | 1,789.3      | 1,793.0                | 1,789.6                 | 3.32                      | 540.807            |          |
| 600.0                                                                      | 600.0                 | 618.7                 | 618.6                 | 1.9              | 2.1           | 86.43                 | 111.6                               | 1,787.7      | 1,791.4                | 1,787.4                 | 4.02                      | 445.209            |          |
| 700.0                                                                      | 700.0                 | 702.1                 | 702.1                 | 2.3              | 2.4           | 86.43                 | 111.5                               | 1,786.8      | 1,790.3                | 1,785.6                 | 4.68                      | 382.929            |          |
| 732.7                                                                      | 732.7                 | 725.7                 | 725.7                 | 2.4              | 2.5           | 86.43                 | 111.5                               | 1,786.8      | 1,790.2                | 1,785.4                 | 4.87                      | 367.355            |          |
| 800.0                                                                      | 800.0                 | 775.5                 | 775.4                 | 2.6              | 2.7           | 86.42                 | 111.7                               | 1,787.0      | 1,790.6                | 1,785.3                 | 5.29                      | 338.776            |          |
| 900.0                                                                      | 900.0                 | 865.0                 | 864.9                 | 3.0              | 3.0           | 86.40                 | 112.4                               | 1,788.1      | 1,791.9                | 1,785.9                 | 5.95                      | 301.400            |          |
| 1,000.0                                                                    | 1,000.0               | 959.0                 | 958.9                 | 3.4              | 3.3           | 86.39                 | 113.1                               | 1,789.7      | 1,793.6                | 1,787.0                 | 6.62                      | 270.840            |          |
| 1,100.0                                                                    | 1,100.0               | 1,066.6               | 1,066.5               | 3.7              | 3.6           | 86.40                 | 112.9                               | 1,791.7      | 1,795.4                | 1,788.1                 | 7.35                      | 244.359            |          |
| 1,200.0                                                                    | 1,200.0               | 1,194.4               | 1,194.3               | 4.1              | 4.1           | 86.42                 | 112.1                               | 1,792.7      | 1,796.2                | 1,788.0                 | 8.15                      | 220.496            |          |
| 1,300.0                                                                    | 1,300.0               | 1,297.2               | 1,297.1               | 4.4              | 4.4           | 86.44                 | 111.6                               | 1,792.5      | 1,795.9                | 1,787.1                 | 8.86                      | 202.627            |          |
| 1,400.0                                                                    | 1,400.0               | 1,405.9               | 1,405.8               | 4.8              | 4.8           | 86.46                 | 110.8                               | 1,791.9      | 1,795.4                | 1,785.8                 | 9.60                      | 186.966            |          |
| 1,500.0                                                                    | 1,500.0               | 1,501.8               | 1,501.7               | 5.1              | 5.2           | 86.48                 | 110.3                               | 1,791.4      | 1,794.8                | 1,784.5                 | 10.30                     | 174.263            |          |
| 1,600.0                                                                    | 1,600.0               | 1,600.2               | 1,600.1               | 5.5              | 5.5           | 86.49                 | 109.8                               | 1,791.0      | 1,794.4                | 1,783.4                 | 11.01                     | 163.044            |          |
| 1,700.0                                                                    | 1,700.0               | 1,695.5               | 1,695.4               | 5.9              | 5.8           | 86.51                 | 109.1                               | 1,790.8      | 1,794.1                | 1,782.4                 | 11.70                     | 153.343            |          |
| 1,721.9                                                                    | 1,721.9               | 1,716.1               | 1,716.0               | 5.9              | 5.9           | 86.52                 | 109.0                               | 1,790.8      | 1,794.1                | 1,782.2                 | 11.85                     | 151.386            |          |
| 1,800.0                                                                    | 1,800.0               | 1,774.6               | 1,774.5               | 6.2              | 6.1           | 86.53                 | 108.7                               | 1,791.1      | 1,794.5                | 1,782.1                 | 12.33                     | 145.491            |          |
| 1,900.0                                                                    | 1,900.0               | 1,879.9               | 1,879.8               | 6.6              | 6.5           | 86.55                 | 108.0                               | 1,792.2      | 1,795.5                | 1,782.4                 | 13.06                     | 137.501            |          |
| 2,000.0                                                                    | 2,000.0               | 1,995.9               | 1,995.8               | 6.9              | 6.9           | 86.60                 | 106.6                               | 1,792.5      | 1,795.7                | 1,781.8                 | 13.82                     | 129.887            |          |
| 2,100.0                                                                    | 2,100.0               | 2,105.1               | 2,104.9               | 7.3              | 7.3           | 86.66                 | 104.8                               | 1,792.4      | 1,795.5                | 1,780.9                 | 14.57                     | 123.234            |          |
| 2,200.0                                                                    | 2,200.0               | 2,221.7               | 2,221.5               | 7.7              | 7.7           | 86.75                 | 101.8                               | 1,791.0      | 1,794.1                | 1,778.7                 | 15.34                     | 116.944            |          |
| 2,300.0                                                                    | 2,300.0               | 2,324.0               | 2,323.8               | 8.0              | 8.1           | 86.82                 | 99.3                                | 1,789.4      | 1,792.5                | 1,776.4                 | 16.06                     | 111.584            |          |
| 2,400.0                                                                    | 2,400.0               | 2,458.7               | 2,458.3               | 8.4              | 8.5           | 86.95                 | 95.2                                | 1,786.3      | 1,790.0                | 1,773.1                 | 16.89                     | 105.951            |          |
| 2,500.0                                                                    | 2,500.0               | 2,553.4               | 2,552.9               | 8.7              | 8.9           | 87.07                 | 91.2                                | 1,783.3      | 1,786.6                | 1,769.0                 | 17.59                     | 101.549            |          |
| 2,600.0                                                                    | 2,600.0               | 2,649.1               | 2,648.5               | 9.1              | 9.2           | 87.20                 | 87.2                                | 1,780.4      | 1,783.4                | 1,765.1                 | 18.30                     | 97.473             |          |
| 2,700.0                                                                    | 2,700.0               | 2,745.5               | 2,744.8               | 9.4              | 9.6           | 87.32                 | 83.3                                | 1,777.6      | 1,780.4                | 1,761.4                 | 19.00                     | 93.694             |          |
| 2,800.0                                                                    | 2,800.0               | 2,839.7               | 2,838.9               | 9.8              | 9.9           | 87.43                 | 79.6                                | 1,775.3      | 1,777.6                | 1,757.9                 | 19.70                     | 90.235             |          |
| 2,900.0                                                                    | 2,900.0               | 2,942.2               | 2,941.3               | 10.2             | 10.3          | 87.55                 | 75.7                                | 1,772.7      | 1,774.9                | 1,754.5                 | 20.43                     | 86.894             |          |
| 3,000.0                                                                    | 3,000.0               | 3,036.2               | 3,035.2               | 10.5             | 10.6          | 87.66                 | 72.4                                | 1,770.4      | 1,772.4                | 1,751.2                 | 21.12                     | 83.901             |          |
| 3,100.0                                                                    | 3,100.0               | 3,125.9               | 3,124.8               | 10.9             | 10.9          | 87.75                 | 69.5                                | 1,768.6      | 1,770.3                | 1,748.5                 | 21.81                     | 81.178             |          |
| 3,200.0                                                                    | 3,200.0               | 3,219.2               | 3,218.0               | 11.2             | 11.3          | 87.83                 | 67.1                                | 1,767.2      | 1,768.7                | 1,746.2                 | 22.50                     | 78.602             |          |
| 3,300.0                                                                    | 3,300.0               | 3,318.5               | 3,317.3               | 11.6             | 11.6          | 87.89                 | 65.1                                | 1,765.9      | 1,767.3                | 1,744.1                 | 23.22                     | 76.122             |          |
| 3,400.0                                                                    | 3,400.0               | 3,415.3               | 3,414.1               | 12.0             | 12.0          | 87.94                 | 63.4                                | 1,764.7      | 1,766.0                | 1,742.1                 | 23.92                     | 73.821             |          |
| 3,500.0                                                                    | 3,500.0               | 3,506.7               | 3,505.5               | 12.3             | 12.3          | 87.97                 | 62.7                                | 1,763.9      | 1,765.1                | 1,740.4                 | 24.61                     | 71.730             |          |
| 3,600.0                                                                    | 3,600.0               | 3,605.0               | 3,603.8               | 12.7             | 12.6          | 87.96                 | 62.8                                | 1,763.2      | 1,764.4                | 1,739.1                 | 25.31                     | 69.714             |          |
| 3,700.0                                                                    | 3,700.0               | 3,695.4               | 3,694.3               | 13.0             | 13.0          | 87.94                 | 63.4                                | 1,762.9      | 1,764.0                | 1,738.0                 | 25.97                     | 67.912             |          |
| 3,709.9                                                                    | 3,709.9               | 3,704.1               | 3,702.9               | 13.1             | 13.0          | 87.94                 | 63.5                                | 1,762.9      | 1,764.0                | 1,738.0                 | 26.04                     | 67.743             |          |
| 3,800.0                                                                    | 3,800.0               | 3,782.9               | 3,781.7               | 13.4             | 13.2          | 87.92                 | 63.9                                | 1,763.1      | 1,764.3                | 1,737.7                 | 26.63                     | 66.262             |          |
| 3,900.0                                                                    | 3,900.0               | 3,889.3               | 3,888.1               | 13.7             | 13.6          | -2.10                 | 64.4                                | 1,763.6      | 1,763.0                | 1,735.7                 | 27.33                     | 64.500             |          |
| 4,000.0                                                                    | 3,999.8               | 3,984.9               | 3,983.7               | 14.1             | 13.9          | -2.12                 | 65.0                                | 1,764.0      | 1,758.2                | 1,730.2                 | 28.00                     | 62.804             |          |
| 4,100.0                                                                    | 4,099.6               | 4,081.5               | 4,080.3               | 14.4             | 14.3          | -2.14                 | 65.4                                | 1,764.5      | 1,751.8                | 1,723.2                 | 28.66                     | 61.121             |          |
| 4,200.0                                                                    | 4,199.4               | 4,171.1               | 4,170.0               | 14.8             | 14.6          | -2.16                 | 65.8                                | 1,765.4      | 1,745.8                | 1,716.5                 | 29.31                     | 59.574             |          |
| 4,300.0                                                                    | 4,299.1               | 4,251.2               | 4,249.9               | 15.1             | 14.8          | -2.19                 | 66.3                                | 1,766.9      | 1,740.7                | 1,710.8                 | 29.91                     | 58.191             |          |
| 4,400.0                                                                    | 4,398.9               | 4,340.0               | 4,338.8               | 15.5             | 15.1          | -2.23                 | 67.4                                | 1,769.3      | 1,736.5                | 1,706.0                 | 30.55                     | 56.833             |          |
| 4,500.0                                                                    | 4,498.6               | 4,449.0               | 4,447.7               | 15.8             | 15.5          | -2.30                 | 69.5                                | 1,772.3      | 1,732.4                | 1,701.2                 | 31.27                     | 55.395             |          |
| 4,600.0                                                                    | 4,598.5               | 4,546.6               | 4,545.3               | 16.2             | 15.8          | -2.38                 | 71.9                                | 1,774.8      | 1,729.4                | 1,697.4                 | 31.95                     | 54.126             |          |
| 4,661.1                                                                    | 4,659.5               | 4,606.2               | 4,604.8               | 16.4             | 16.0          | -2.43                 | 73.4                                | 1,776.3      | 1,728.8                | 1,696.5                 | 32.36                     | 53.418             |          |
| 4,700.0                                                                    | 4,698.4               | 4,644.2               | 4,642.7               | 16.5             | 16.2          | -2.47                 | 74.4                                | 1,777.4      | 1,729.1                | 1,696.4                 | 32.63                     | 52.993             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #551H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 29-MWD                                                     |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 4,766.7                                                                    | 4,765.1               | 4,710.5               | 4,709.0               | 16.8             | 16.4          | 87.48                 | 76.1                                | 1,779.2      | 1,730.4                | 1,697.3                 | 33.09                     | 52.293             |          |
| 4,800.0                                                                    | 4,798.4               | 4,743.8               | 4,742.3               | 16.9             | 16.5          | 87.45                 | 76.9                                | 1,780.1      | 1,731.3                | 1,698.0                 | 33.32                     | 51.956             |          |
| 4,900.0                                                                    | 4,898.4               | 4,843.7               | 4,842.1               | 17.2             | 16.8          | 87.36                 | 79.8                                | 1,782.8      | 1,734.1                | 1,700.1                 | 34.02                     | 50.970             |          |
| 5,000.0                                                                    | 4,998.4               | 4,939.5               | 4,937.8               | 17.6             | 17.2          | 87.27                 | 82.6                                | 1,785.5      | 1,737.1                | 1,702.4                 | 34.71                     | 50.050             |          |
| 5,100.0                                                                    | 5,098.4               | 5,039.1               | 5,037.4               | 17.9             | 17.5          | 87.18                 | 85.7                                | 1,788.4      | 1,740.2                | 1,704.8                 | 35.41                     | 49.149             |          |
| 5,200.0                                                                    | 5,198.4               | 5,141.4               | 5,139.5               | 18.3             | 17.9          | 87.07                 | 89.2                                | 1,791.4      | 1,743.3                | 1,707.1                 | 36.12                     | 48.265             |          |
| 5,300.0                                                                    | 5,298.4               | 5,245.8               | 5,243.9               | 18.7             | 18.2          | 86.96                 | 92.5                                | 1,794.2      | 1,746.1                | 1,709.3                 | 36.84                     | 47.399             |          |
| 5,400.0                                                                    | 5,398.4               | 5,348.9               | 5,346.9               | 19.0             | 18.6          | 86.86                 | 95.7                                | 1,796.7      | 1,748.7                | 1,711.2                 | 37.55                     | 46.565             |          |
| 5,500.0                                                                    | 5,498.4               | 5,451.5               | 5,449.3               | 19.4             | 18.9          | 86.75                 | 99.3                                | 1,799.1      | 1,751.2                | 1,713.0                 | 38.27                     | 45.761             |          |
| 5,600.0                                                                    | 5,598.4               | 5,547.0               | 5,544.8               | 19.7             | 19.3          | 86.65                 | 102.5                               | 1,801.2      | 1,753.6                | 1,714.7                 | 38.96                     | 45.017             |          |
| 5,700.0                                                                    | 5,698.4               | 5,660.4               | 5,658.1               | 20.1             | 19.7          | 86.53                 | 106.3                               | 1,803.9      | 1,756.3                | 1,716.6                 | 39.71                     | 44.224             |          |
| 5,766.7                                                                    | 5,765.1               | 5,752.8               | 5,750.5               | 20.3             | 20.0          | 86.56                 | 105.5                               | 1,804.9      | 1,756.9                | 1,716.6                 | 40.28                     | 43.619             |          |
| 5,800.0                                                                    | 5,798.4               | 5,791.8               | 5,789.4               | 20.4             | 20.1          | -91.72                | 104.0                               | 1,805.1      | 1,757.0                | 1,716.5                 | 40.53                     | 43.351             |          |
| 5,900.0                                                                    | 5,898.4               | 5,908.3               | 5,905.6               | 20.8             | 20.5          | -91.56                | 95.4                                | 1,805.2      | 1,756.8                | 1,715.5                 | 41.26                     | 42.575             |          |
| 6,000.0                                                                    | 5,998.1               | 6,091.5               | 6,087.4               | 21.1             | 21.2          | -91.29                | 73.4                                | 1,801.4      | 1,754.6                | 1,712.4                 | 42.17                     | 41.608             |          |
| 6,100.0                                                                    | 6,097.7               | 6,254.9               | 6,248.2               | 21.4             | 21.8          | -91.10                | 46.8                                | 1,790.5      | 1,747.1                | 1,704.2                 | 42.97                     | 40.658             |          |
| 6,200.0                                                                    | 6,196.8               | 6,405.9               | 6,395.1               | 21.8             | 22.3          | -90.94                | 15.0                                | 1,775.8      | 1,736.5                | 1,692.8                 | 43.72                     | 39.716             |          |
| 6,229.5                                                                    | 6,225.9               | 6,433.6               | 6,421.9               | 21.8             | 22.4          | -90.94                | 8.7                                 | 1,772.8      | 1,733.1                | 1,689.2                 | 43.93                     | 39.452             |          |
| 6,300.0                                                                    | 6,295.5               | 6,510.5               | 6,496.3               | 22.1             | 22.7          | -90.78                | -8.8                                | 1,764.4      | 1,724.9                | 1,680.5                 | 44.43                     | 38.821             |          |
| 6,400.0                                                                    | 6,394.2               | 6,614.2               | 6,596.3               | 22.4             | 23.1          | -90.51                | -33.8                               | 1,752.4      | 1,712.4                | 1,667.3                 | 45.15                     | 37.926             |          |
| 6,500.0                                                                    | 6,492.9               | 6,695.9               | 6,675.0               | 22.7             | 23.4          | -90.29                | -53.5                               | 1,743.5      | 1,700.7                | 1,654.9                 | 45.86                     | 37.084             |          |
| 6,600.0                                                                    | 6,591.6               | 6,777.8               | 6,754.2               | 23.1             | 23.8          | -90.08                | -72.9                               | 1,735.4      | 1,690.1                | 1,643.5                 | 46.57                     | 36.288             |          |
| 6,700.0                                                                    | 6,690.3               | 6,866.6               | 6,840.1               | 23.4             | 24.1          | -89.85                | -93.9                               | 1,727.3      | 1,680.3                | 1,633.0                 | 47.30                     | 35.523             |          |
| 6,800.0                                                                    | 6,789.0               | 6,957.5               | 6,928.1               | 23.8             | 24.5          | -89.62                | -115.3                              | 1,719.5      | 1,671.0                | 1,623.0                 | 48.04                     | 34.785             |          |
| 6,900.0                                                                    | 6,887.7               | 7,038.8               | 7,006.9               | 24.1             | 24.8          | -89.43                | -133.9                              | 1,713.2      | 1,662.6                | 1,613.8                 | 48.76                     | 34.097             |          |
| 7,000.0                                                                    | 6,986.4               | 7,158.8               | 7,123.3               | 24.5             | 25.3          | -89.12                | -162.0                              | 1,703.5      | 1,653.9                | 1,604.4                 | 49.57                     | 33.369             |          |
| 7,100.0                                                                    | 7,085.1               | 7,239.1               | 7,201.1               | 24.8             | 25.7          | -88.92                | -180.6                              | 1,697.2      | 1,645.5                | 1,595.2                 | 50.30                     | 32.713             |          |
| 7,200.0                                                                    | 7,183.8               | 7,333.7               | 7,292.8               | 25.2             | 26.1          | -88.66                | -203.1                              | 1,690.4      | 1,637.8                | 1,586.7                 | 51.07                     | 32.068             |          |
| 7,300.0                                                                    | 7,282.5               | 7,437.1               | 7,392.0               | 25.6             | 26.5          | -88.25                | -231.3                              | 1,683.1      | 1,630.1                | 1,578.2                 | 51.88                     | 31.420             |          |
| 7,400.0                                                                    | 7,381.2               | 7,531.8               | 7,482.3               | 25.9             | 26.9          | -87.80                | -258.8                              | 1,676.3      | 1,622.5                | 1,569.8                 | 52.68                     | 30.798             |          |
| 7,500.0                                                                    | 7,479.8               | 7,617.2               | 7,564.1               | 26.3             | 27.3          | -87.42                | -282.8                              | 1,670.7      | 1,615.6                | 1,562.1                 | 53.46                     | 30.220             |          |
| 7,600.0                                                                    | 7,578.5               | 7,701.7               | 7,645.5               | 26.7             | 27.7          | -87.10                | -305.0                              | 1,665.9      | 1,609.6                | 1,555.4                 | 54.23                     | 29.679             |          |
| 7,700.0                                                                    | 7,677.2               | 7,789.0               | 7,730.0               | 27.0             | 28.1          | -86.83                | -326.3                              | 1,661.7      | 1,604.5                | 1,549.5                 | 55.01                     | 29.169             |          |
| 7,800.0                                                                    | 7,775.9               | 7,883.4               | 7,821.7               | 27.4             | 28.5          | -86.58                | -348.3                              | 1,657.8      | 1,600.1                | 1,544.3                 | 55.81                     | 28.672             |          |
| 7,900.0                                                                    | 7,874.6               | 8,002.4               | 7,936.7               | 27.8             | 29.0          | -86.18                | -378.2                              | 1,652.3      | 1,595.3                | 1,538.6                 | 56.70                     | 28.136             |          |
| 8,000.0                                                                    | 7,973.3               | 8,099.9               | 8,030.5               | 28.2             | 29.5          | -85.77                | -404.6                              | 1,647.2      | 1,590.0                | 1,532.5                 | 57.54                     | 27.634             |          |
| 8,100.0                                                                    | 8,072.0               | 8,214.6               | 8,140.1               | 28.6             | 30.0          | -85.21                | -437.8                              | 1,640.2      | 1,584.1                | 1,525.7                 | 58.45                     | 27.102             |          |
| 8,200.0                                                                    | 8,170.7               | 8,306.1               | 8,227.5               | 28.9             | 30.5          | -84.77                | -464.1                              | 1,634.6      | 1,578.2                | 1,518.9                 | 59.29                     | 26.620             |          |
| 8,300.0                                                                    | 8,269.4               | 8,412.8               | 8,330.3               | 29.3             | 31.0          | -84.34                | -492.4                              | 1,628.7      | 1,572.9                | 1,512.7                 | 60.17                     | 26.140             |          |
| 8,400.0                                                                    | 8,368.1               | 8,545.2               | 8,456.8               | 29.7             | 31.6          | -83.70                | -529.8                              | 1,618.4      | 1,565.5                | 1,504.3                 | 61.15                     | 25.600             |          |
| 8,500.0                                                                    | 8,466.8               | 8,640.5               | 8,547.5               | 30.1             | 32.1          | -83.21                | -557.6                              | 1,610.3      | 1,557.6                | 1,495.5                 | 62.02                     | 25.112             |          |
| 8,600.0                                                                    | 8,565.5               | 8,723.4               | 8,627.1               | 30.5             | 32.5          | -82.83                | -580.2                              | 1,603.8      | 1,550.4                | 1,487.6                 | 62.85                     | 24.667             |          |
| 8,700.0                                                                    | 8,664.2               | 8,808.6               | 8,709.3               | 30.9             | 32.9          | -82.51                | -601.9                              | 1,598.4      | 1,544.5                | 1,480.8                 | 63.68                     | 24.254             |          |
| 8,800.0                                                                    | 8,762.9               | 8,899.6               | 8,796.9               | 31.3             | 33.4          | -82.14                | -625.8                              | 1,593.1      | 1,539.3                | 1,474.7                 | 64.52                     | 23.856             |          |
| 8,900.0                                                                    | 8,861.6               | 9,021.6               | 8,914.9               | 31.7             | 34.0          | -81.69                | -656.2                              | 1,586.0      | 1,534.1                | 1,468.6                 | 65.48                     | 23.427             |          |
| 9,000.0                                                                    | 8,960.3               | 9,134.6               | 9,024.0               | 32.1             | 34.5          | -81.28                | -684.0                              | 1,577.5      | 1,527.2                | 1,460.8                 | 66.41                     | 22.998             |          |
| 9,100.0                                                                    | 9,059.0               | 9,233.7               | 9,120.3               | 32.5             | 35.0          | -81.00                | -706.3                              | 1,570.0      | 1,520.1                | 1,452.8                 | 67.27                     | 22.595             |          |
| 9,200.0                                                                    | 9,157.7               | 9,324.7               | 9,208.9               | 32.9             | 35.4          | -80.76                | -726.3                              | 1,563.5      | 1,513.3                | 1,445.1                 | 68.12                     | 22.216             |          |
| 9,300.0                                                                    | 9,256.4               | 9,414.4               | 9,296.1               | 33.3             | 35.8          | -80.52                | -746.2                              | 1,557.6      | 1,507.1                | 1,438.1                 | 68.96                     | 21.856             |          |
| 9,400.0                                                                    | 9,355.1               | 9,514.6               | 9,393.3               | 33.7             | 36.3          | -80.19                | -769.8                              | 1,551.2      | 1,501.3                | 1,431.5                 | 69.84                     | 21.496             |          |
| 9,500.0                                                                    | 9,453.8               | 9,626.0               | 9,500.8               | 34.1             | 36.9          | -79.75                | -797.7                              | 1,543.3      | 1,495.1                | 1,424.4                 | 70.78                     | 21.125             |          |
| 9,600.0                                                                    | 9,552.5               | 9,711.2               | 9,583.0               | 34.5             | 37.3          | -79.41                | -819.3                              | 1,537.3      | 1,489.2                | 1,417.6                 | 71.63                     | 20.791             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #551H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 29-MWD                                                     |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 9,700.0                                                                    | 9,651.2               | 9,813.0               | 9,681.2               | 34.9             | 37.8          | -78.98                | -845.5                              | 1,530.5      | 1,483.7                | 1,411.1                 | 72.54                     | 20.454             |          |
| 9,800.0                                                                    | 9,749.9               | 9,935.3               | 9,800.2               | 35.3             | 38.4          | -78.63                | -872.5                              | 1,521.9      | 1,477.3                | 1,403.8                 | 73.49                     | 20.101             |          |
| 9,900.0                                                                    | 9,848.6               | 10,039.8              | 9,902.9               | 35.7             | 38.9          | -78.55                | -890.1                              | 1,514.3      | 1,469.7                | 1,395.3                 | 74.35                     | 19.767             |          |
| 10,000.0                                                                   | 9,947.3               | 10,123.7              | 9,985.7               | 36.1             | 39.2          | -78.58                | -901.7                              | 1,509.0      | 1,462.7                | 1,387.6                 | 75.14                     | 19.466             |          |
| 10,100.0                                                                   | 10,046.0              | 10,207.2              | 10,068.6              | 36.5             | 39.6          | -78.68                | -912.0                              | 1,505.2      | 1,457.0                | 1,381.1                 | 75.91                     | 19.194             |          |
| 10,200.0                                                                   | 10,144.7              | 10,310.5              | 10,171.5              | 36.9             | 40.0          | -78.98                | -920.1                              | 1,501.5      | 1,451.7                | 1,375.0                 | 76.71                     | 18.926             |          |
| 10,300.0                                                                   | 10,243.4              | 10,400.0              | 10,260.8              | 37.3             | 40.3          | -79.39                | -923.5                              | 1,498.8      | 1,446.3                | 1,368.8                 | 77.44                     | 18.677             |          |
| 10,400.0                                                                   | 10,342.1              | 10,470.0              | 10,330.8              | 37.7             | 40.5          | -79.78                | -924.8                              | 1,498.3      | 1,442.9                | 1,364.8                 | 78.09                     | 18.477             |          |
| 10,500.0                                                                   | 10,440.8              | 10,557.6              | 10,418.4              | 38.1             | 40.8          | -80.31                | -925.4                              | 1,499.2      | 1,441.1                | 1,362.3                 | 78.77                     | 18.295             |          |
| 10,600.0                                                                   | 10,539.5              | 10,665.2              | 10,526.0              | 38.5             | 41.1          | -80.96                | -926.4                              | 1,499.9      | 1,439.2                | 1,359.7                 | 79.52                     | 18.098             |          |
| 10,700.0                                                                   | 10,638.2              | 10,774.2              | 10,635.0              | 39.0             | 41.5          | -81.57                | -928.3                              | 1,499.7      | 1,436.8                | 1,356.5                 | 80.30                     | 17.894             |          |
| 10,800.0                                                                   | 10,736.9              | 10,875.9              | 10,736.7              | 39.4             | 41.9          | -82.11                | -930.9                              | 1,499.0      | 1,434.1                | 1,353.1                 | 81.05                     | 17.694             |          |
| 10,900.0                                                                   | 10,835.6              | 10,947.0              | 10,807.5              | 39.8             | 42.1          | -82.35                | -936.4                              | 1,498.4      | 1,432.0                | 1,350.3                 | 81.74                     | 17.520             |          |
| 10,921.0                                                                   | 10,856.3              | 10,958.3              | 10,818.6              | 39.9             | 42.2          | -82.34                | -938.4                              | 1,498.4      | 1,432.0                | 1,350.1                 | 81.87                     | 17.491 CC, ES      |          |
| 11,000.0                                                                   | 10,934.3              | 11,009.0              | 10,867.1              | 40.2             | 42.4          | -82.08                | -952.9                              | 1,498.8      | 1,433.0                | 1,350.7                 | 82.38                     | 17.396             |          |
| 11,100.0                                                                   | 11,033.0              | 11,048.2              | 10,902.9              | 40.6             | 42.6          | -81.69                | -968.7                              | 1,499.6      | 1,437.4                | 1,354.6                 | 82.81                     | 17.357             |          |
| 11,200.0                                                                   | 11,131.7              | 11,092.8              | 10,941.9              | 41.0             | 42.9          | -81.10                | -990.3                              | 1,501.5      | 1,445.7                | 1,362.5                 | 83.19                     | 17.379             |          |
| 11,300.0                                                                   | 11,230.4              | 11,198.2              | 11,026.7              | 41.4             | 43.6          | -79.24                | -1,052.7                            | 1,505.4      | 1,456.6                | 1,372.4                 | 84.26                     | 17.287             |          |
| 11,400.0                                                                   | 11,329.1              | 11,286.9              | 11,093.2              | 41.9             | 44.3          | -77.41                | -1,111.4                            | 1,506.2      | 1,468.1                | 1,382.9                 | 85.12                     | 17.247             |          |
| 11,500.0                                                                   | 11,427.8              | 11,325.1              | 11,120.7              | 42.3             | 44.6          | -76.58                | -1,137.8                            | 1,506.6      | 1,482.5                | 1,397.3                 | 85.21                     | 17.398             |          |
| 11,535.3                                                                   | 11,462.6              | 11,336.4              | 11,128.6              | 42.4             | 44.6          | -76.32                | -1,146.0                            | 1,506.9      | 1,488.7                | 1,403.5                 | 85.17                     | 17.479             |          |
| 11,600.0                                                                   | 11,526.5              | 11,356.2              | 11,141.9              | 42.7             | 44.8          | -76.04                | -1,160.6                            | 1,507.5      | 1,501.8                | 1,416.8                 | 85.02                     | 17.664             |          |
| 11,700.0                                                                   | 11,625.7              | 11,389.0              | 11,162.8              | 43.1             | 45.0          | -75.58                | -1,185.8                            | 1,509.0      | 1,526.5                | 1,441.8                 | 84.67                     | 18.028             |          |
| 11,800.0                                                                   | 11,725.1              | 11,424.3              | 11,184.1              | 43.5             | 45.3          | -75.07                | -1,213.9                            | 1,511.0      | 1,556.4                | 1,472.1                 | 84.23                     | 18.478             |          |
| 11,900.0                                                                   | 11,824.8              | 11,463.2              | 11,206.5              | 43.9             | 45.7          | -74.49                | -1,245.7                            | 1,513.2      | 1,590.9                | 1,507.2                 | 83.72                     | 19.004             |          |
| 12,000.0                                                                   | 11,924.7              | 11,511.0              | 11,232.5              | 44.2             | 46.1          | -73.69                | -1,286.6                            | 1,515.9      | 1,630.0                | 1,546.7                 | 83.28                     | 19.572             |          |
| 12,100.0                                                                   | 12,024.6              | 11,573.9              | 11,266.2              | 44.6             | 46.6          | -72.47                | -1,338.6                            | 1,519.0      | 1,672.8                | 1,589.7                 | 83.09                     | 20.132             |          |
| 12,152.4                                                                   | 12,077.0              | 11,579.0              | 11,268.9              | 44.7             | 46.6          | 105.62                | -1,343.0                            | 1,519.2      | 1,696.8                | 1,614.4                 | 82.41                     | 20.589             |          |
| 12,200.0                                                                   | 12,124.6              | 11,603.9              | 11,281.7              | 44.9             | 46.9          | -75.11                | -1,364.3                            | 1,520.1      | 1,719.1                | 1,636.9                 | 82.20                     | 20.913             |          |
| 12,250.0                                                                   | 12,174.2              | 11,618.2              | 11,288.6              | 45.1             | 47.0          | -72.17                | -1,376.8                            | 1,520.5      | 1,742.4                | 1,660.7                 | 81.74                     | 21.317             |          |
| 12,300.0                                                                   | 12,223.0              | 11,633.1              | 11,295.4              | 45.3             | 47.1          | -69.33                | -1,390.1                            | 1,520.8      | 1,765.5                | 1,684.2                 | 81.29                     | 21.718             |          |
| 12,350.0                                                                   | 12,270.7              | 11,648.6              | 11,302.2              | 45.6             | 47.3          | -66.63                | -1,404.1                            | 1,521.1      | 1,788.0                | 1,707.1                 | 80.87                     | 22.111             |          |
| 12,400.0                                                                   | 12,317.0              | 11,674.0              | 11,312.4              | 45.8             | 47.5          | -63.91                | -1,427.3                            | 1,521.2      | 1,809.8                | 1,729.2                 | 80.64                     | 22.443             |          |
| 12,450.0                                                                   | 12,361.4              | 11,674.0              | 11,312.4              | 46.1             | 47.5          | -61.87                | -1,427.3                            | 1,521.2      | 1,830.7                | 1,750.7                 | 79.96                     | 22.896             |          |
| 12,500.0                                                                   | 12,403.7              | 11,699.8              | 11,321.8              | 46.4             | 47.8          | -59.56                | -1,451.3                            | 1,521.1      | 1,850.4                | 1,770.6                 | 79.80                     | 23.188             |          |
| 12,550.0                                                                   | 12,443.5              | 11,718.4              | 11,328.1              | 46.7             | 47.9          | -57.60                | -1,468.8                            | 1,521.0      | 1,868.8                | 1,789.3                 | 79.53                     | 23.498             |          |
| 12,600.0                                                                   | 12,480.5              | 11,737.4              | 11,334.0              | 47.1             | 48.1          | -55.85                | -1,486.9                            | 1,520.7      | 1,885.8                | 1,806.5                 | 79.31                     | 23.778             |          |
| 12,650.0                                                                   | 12,514.4              | 11,770.0              | 11,343.0              | 47.4             | 48.4          | -54.19                | -1,518.2                            | 1,520.1      | 1,901.3                | 1,822.0                 | 79.37                     | 23.957             |          |
| 12,700.0                                                                   | 12,545.0              | 11,770.0              | 11,343.0              | 47.8             | 48.4          | -53.05                | -1,518.2                            | 1,520.1      | 1,915.0                | 1,836.1                 | 78.91                     | 24.268             |          |
| 12,750.0                                                                   | 12,572.0              | 11,770.0              | 11,343.0              | 48.1             | 48.4          | -52.04                | -1,518.2                            | 1,520.1      | 1,927.3                | 1,848.8                 | 78.52                     | 24.546             |          |
| 12,800.0                                                                   | 12,595.3              | 11,770.0              | 11,343.0              | 48.5             | 48.4          | -51.16                | -1,518.2                            | 1,520.1      | 1,938.2                | 1,860.0                 | 78.20                     | 24.786             |          |
| 12,850.0                                                                   | 12,614.6              | 11,807.4              | 11,351.3              | 48.9             | 48.8          | -50.34                | -1,554.6                            | 1,519.6      | 1,946.2                | 1,867.6                 | 78.58                     | 24.768             |          |
| 12,900.0                                                                   | 12,629.8              | 11,818.9              | 11,353.4              | 49.3             | 48.9          | -49.79                | -1,565.9                            | 1,519.7      | 1,953.1                | 1,874.5                 | 78.60                     | 24.850             |          |
| 12,950.0                                                                   | 12,640.8              | 11,830.4              | 11,355.2              | 49.7             | 49.0          | -49.40                | -1,577.3                            | 1,519.8      | 1,958.2                | 1,879.5                 | 78.70                     | 24.882             |          |
| 13,000.0                                                                   | 12,647.6              | 11,865.0              | 11,359.2              | 50.1             | 49.4          | -49.22                | -1,611.7                            | 1,520.7      | 1,962.0                | 1,882.8                 | 79.23                     | 24.765             |          |
| 13,052.4                                                                   | 12,650.0              | 11,865.0              | 11,359.2              | 50.5             | 49.4          | -49.15                | -1,611.7                            | 1,520.7      | 1,962.9                | 1,883.6                 | 79.33                     | 24.743             |          |
| 13,100.0                                                                   | 12,650.0              | 11,865.0              | 11,359.2              | 50.9             | 49.4          | -49.16                | -1,611.7                            | 1,520.7      | 1,963.2                | 1,883.8                 | 79.48                     | 24.702             |          |
| 13,200.0                                                                   | 12,650.0              | 11,915.0              | 11,362.3              | 51.8             | 49.9          | -49.31                | -1,661.5                            | 1,522.5      | 1,964.5                | 1,884.0                 | 80.47                     | 24.413             |          |
| 13,267.5                                                                   | 12,650.0              | 11,959.0              | 11,363.4              | 52.4             | 50.3          | -49.38                | -1,705.5                            | 1,524.1      | 1,965.3                | 1,884.1                 | 81.23                     | 24.194             |          |
| 13,300.0                                                                   | 12,650.0              | 11,978.7              | 11,363.6              | 52.7             | 50.5          | -49.39                | -1,725.1                            | 1,524.7      | 1,965.7                | 1,884.2                 | 81.58                     | 24.097             |          |
| 13,400.0                                                                   | 12,650.0              | 12,098.8              | 11,365.3              | 53.6             | 51.7          | -49.47                | -1,845.2                            | 1,527.6      | 1,966.1                | 1,882.7                 | 83.43                     | 23.567             |          |
| 13,500.0                                                                   | 12,650.0              | 12,200.8              | 11,366.7              | 54.6             | 52.8          | -49.53                | -1,947.2                            | 1,529.9      | 1,966.5                | 1,881.4                 | 85.11                     | 23.106             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #551H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 29-MWD                                                     |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 13,600.0                                                                   | 12,650.0              | 12,308.8              | 11,368.1              | 55.6             | 54.0          | -49.58                | -2,055.2                            | 1,531.5      | 1,966.3                | 1,879.4                 | 86.91                     | 22.625             |          |
| 13,700.0                                                                   | 12,650.0              | 12,410.3              | 11,369.1              | 56.6             | 55.1          | -49.61                | -2,156.6                            | 1,532.6      | 1,966.0                | 1,877.3                 | 88.67                     | 22.173             |          |
| 13,800.0                                                                   | 12,650.0              | 12,508.7              | 11,370.5              | 57.6             | 56.2          | -49.66                | -2,255.1                            | 1,534.0      | 1,965.7                | 1,875.2                 | 90.45                     | 21.732             |          |
| 13,900.0                                                                   | 12,650.0              | 12,621.5              | 11,371.7              | 58.7             | 57.6          | -49.69                | -2,367.8                            | 1,535.0      | 1,965.2                | 1,872.7                 | 92.47                     | 21.252             |          |
| 14,000.0                                                                   | 12,650.0              | 12,750.9              | 11,372.9              | 59.8             | 59.1          | -49.68                | -2,497.2                            | 1,533.7      | 1,963.4                | 1,868.6                 | 94.73                     | 20.727             |          |
| 14,100.0                                                                   | 12,650.0              | 12,867.3              | 11,372.8              | 61.0             | 60.6          | -49.60                | -2,613.5                            | 1,530.3      | 1,960.7                | 1,863.9                 | 96.77                     | 20.262             |          |
| 14,200.0                                                                   | 12,650.0              | 12,960.7              | 11,373.9              | 62.1             | 61.7          | -49.56                | -2,706.9                            | 1,527.5      | 1,957.3                | 1,858.7                 | 98.56                     | 19.858             |          |
| 14,300.0                                                                   | 12,650.0              | 13,051.4              | 11,374.3              | 63.3             | 62.9          | -49.52                | -2,797.6                            | 1,525.6      | 1,954.9                | 1,854.5                 | 100.36                    | 19.479             |          |
| 14,400.0                                                                   | 12,650.0              | 13,171.1              | 11,376.6              | 64.5             | 64.4          | -49.52                | -2,917.3                            | 1,523.7      | 1,952.0                | 1,849.3                 | 102.65                    | 19.015             |          |
| 14,500.0                                                                   | 12,650.0              | 13,254.3              | 11,378.6              | 65.7             | 65.5          | -49.53                | -3,000.4                            | 1,522.4      | 1,948.8                | 1,844.3                 | 104.46                    | 18.656             |          |
| 14,600.0                                                                   | 12,650.0              | 13,341.6              | 11,381.2              | 67.0             | 66.7          | -49.59                | -3,087.6                            | 1,522.8      | 1,946.7                | 1,840.3                 | 106.40                    | 18.295             |          |
| 14,700.0                                                                   | 12,650.0              | 13,433.5              | 11,383.2              | 68.2             | 67.9          | -49.62                | -3,179.5                            | 1,522.9      | 1,944.9                | 1,836.5                 | 108.42                    | 17.938             |          |
| 14,800.0                                                                   | 12,650.0              | 13,551.2              | 11,385.3              | 69.5             | 69.5          | -49.66                | -3,297.2                            | 1,522.9      | 1,943.3                | 1,832.5                 | 110.86                    | 17.529             |          |
| 14,900.0                                                                   | 12,650.0              | 13,631.7              | 11,387.9              | 70.8             | 70.6          | -49.71                | -3,377.7                            | 1,523.1      | 1,941.1                | 1,828.3                 | 112.78                    | 17.211             |          |
| 15,000.0                                                                   | 12,650.0              | 13,709.7              | 11,389.2              | 72.1             | 71.6          | -49.75                | -3,455.6                            | 1,524.1      | 1,940.4                | 1,825.7                 | 114.66                    | 16.923             |          |
| 15,058.6                                                                   | 12,650.0              | 13,762.6              | 11,389.5              | 72.9             | 72.4          | -49.76                | -3,508.5                            | 1,524.6      | 1,940.3                | 1,824.5                 | 115.87                    | 16.746             |          |
| 15,100.0                                                                   | 12,650.0              | 13,798.2              | 11,389.7              | 73.4             | 72.9          | -49.77                | -3,544.1                            | 1,525.0      | 1,940.4                | 1,823.7                 | 116.69                    | 16.628             |          |
| 15,200.0                                                                   | 12,650.0              | 13,887.6              | 11,390.7              | 74.8             | 74.1          | -49.82                | -3,633.5                            | 1,527.1      | 1,941.0                | 1,822.2                 | 118.81                    | 16.337             |          |
| 15,300.0                                                                   | 12,650.0              | 13,989.8              | 11,391.8              | 76.1             | 75.5          | -49.88                | -3,735.6                            | 1,529.8      | 1,941.9                | 1,820.7                 | 121.18                    | 16.025             |          |
| 15,400.0                                                                   | 12,650.0              | 14,099.7              | 11,390.8              | 77.5             | 77.1          | -49.86                | -3,845.6                            | 1,530.4      | 1,942.4                | 1,818.8                 | 123.57                    | 15.719             |          |
| 15,500.0                                                                   | 12,650.0              | 14,215.0              | 11,391.2              | 78.8             | 78.7          | -49.87                | -3,960.8                            | 1,531.2      | 1,942.3                | 1,816.1                 | 126.11                    | 15.401             |          |
| 15,600.0                                                                   | 12,650.0              | 14,318.6              | 11,391.9              | 80.2             | 80.2          | -49.88                | -4,064.5                            | 1,531.5      | 1,941.5                | 1,813.0                 | 128.48                    | 15.111             |          |
| 15,700.0                                                                   | 12,650.0              | 14,425.6              | 11,392.7              | 81.6             | 81.7          | -49.89                | -4,171.5                            | 1,531.6      | 1,940.6                | 1,809.7                 | 130.92                    | 14.822             |          |
| 15,800.0                                                                   | 12,650.0              | 14,519.5              | 11,393.9              | 83.0             | 83.1          | -49.91                | -4,265.4                            | 1,531.9      | 1,939.7                | 1,806.5                 | 133.19                    | 14.563             |          |
| 15,900.0                                                                   | 12,650.0              | 14,626.9              | 11,395.2              | 84.4             | 84.7          | -49.93                | -4,372.7                            | 1,532.4      | 1,938.7                | 1,803.0                 | 135.70                    | 14.287             |          |
| 16,000.0                                                                   | 12,650.0              | 14,713.3              | 11,395.0              | 85.9             | 85.9          | -49.91                | -4,459.2                            | 1,531.8      | 1,937.9                | 1,800.1                 | 137.79                    | 14.064             |          |
| 16,100.0                                                                   | 12,650.0              | 14,846.6              | 11,395.2              | 87.3             | 87.9          | -49.87                | -4,592.4                            | 1,530.3      | 1,936.4                | 1,795.7                 | 140.65                    | 13.767             |          |
| 16,200.0                                                                   | 12,650.0              | 14,945.7              | 11,397.6              | 88.7             | 89.3          | -49.90                | -4,691.5                            | 1,529.9      | 1,934.1                | 1,791.0                 | 143.08                    | 13.517             |          |
| 16,300.0                                                                   | 12,650.0              | 15,032.9              | 11,399.4              | 90.2             | 90.6          | -49.93                | -4,778.7                            | 1,529.9      | 1,932.3                | 1,786.9                 | 145.32                    | 13.296             |          |
| 16,400.0                                                                   | 12,650.0              | 15,122.8              | 11,398.0              | 91.6             | 92.0          | -49.86                | -4,868.6                            | 1,527.9      | 1,931.1                | 1,783.6                 | 147.44                    | 13.098             |          |
| 16,500.0                                                                   | 12,650.0              | 15,219.8              | 11,397.2              | 93.1             | 93.4          | -49.80                | -4,965.5                            | 1,526.8      | 1,930.2                | 1,780.5                 | 149.72                    | 12.893             |          |
| 16,600.0                                                                   | 12,650.0              | 15,323.5              | 11,398.9              | 94.5             | 95.0          | -49.85                | -5,069.2                            | 1,527.6      | 1,929.3                | 1,777.1                 | 152.28                    | 12.669             |          |
| 16,700.0                                                                   | 12,650.0              | 15,432.8              | 11,402.7              | 96.0             | 96.6          | -49.96                | -5,178.4                            | 1,529.8      | 1,928.2                | 1,773.1                 | 155.08                    | 12.433             |          |
| 16,800.0                                                                   | 12,650.0              | 15,521.2              | 11,406.2              | 97.5             | 98.0          | -50.06                | -5,266.8                            | 1,531.6      | 1,926.7                | 1,769.2                 | 157.52                    | 12.231             |          |
| 16,860.1                                                                   | 12,650.0              | 15,564.7              | 11,407.6              | 98.4             | 98.6          | -50.11                | -5,310.1                            | 1,532.8      | 1,926.5                | 1,767.7                 | 158.81                    | 12.131             |          |
| 16,900.0                                                                   | 12,650.0              | 15,601.5              | 11,408.6              | 99.0             | 99.2          | -50.15                | -5,346.9                            | 1,533.9      | 1,926.5                | 1,766.7                 | 159.81                    | 12.055             |          |
| 17,000.0                                                                   | 12,650.0              | 15,709.3              | 11,410.2              | 100.5            | 100.8         | -50.22                | -5,454.7                            | 1,536.1      | 1,926.7                | 1,764.1                 | 162.54                    | 11.853             |          |
| 17,100.0                                                                   | 12,650.0              | 15,812.5              | 11,412.6              | 101.9            | 102.4         | -50.30                | -5,557.9                            | 1,537.9      | 1,926.1                | 1,760.8                 | 165.23                    | 11.657             |          |
| 17,158.2                                                                   | 12,650.0              | 15,862.8              | 11,413.7              | 102.8            | 103.2         | -50.34                | -5,608.1                            | 1,539.0      | 1,926.0                | 1,759.3                 | 166.62                    | 11.559             |          |
| 17,200.0                                                                   | 12,650.0              | 15,896.8              | 11,414.2              | 103.4            | 103.7         | -50.36                | -5,642.1                            | 1,539.7      | 1,926.0                | 1,758.5                 | 167.56                    | 11.495             |          |
| 17,300.0                                                                   | 12,650.0              | 15,984.2              | 11,414.2              | 104.9            | 105.0         | -50.38                | -5,729.5                            | 1,541.3      | 1,926.9                | 1,757.0                 | 169.88                    | 11.343             |          |
| 17,400.0                                                                   | 12,650.0              | 16,113.4              | 11,415.2              | 106.5            | 107.0         | -50.44                | -5,858.7                            | 1,544.0      | 1,927.7                | 1,754.6                 | 173.02                    | 11.141             |          |
| 17,500.0                                                                   | 12,650.0              | 16,259.2              | 11,419.2              | 108.0            | 109.3         | -50.52                | -6,004.4                            | 1,544.5      | 1,925.5                | 1,749.1                 | 176.46                    | 10.912             |          |
| 17,600.0                                                                   | 12,650.0              | 16,341.2              | 11,421.0              | 109.5            | 110.5         | -50.54                | -6,086.4                            | 1,544.0      | 1,923.2                | 1,744.4                 | 178.75                    | 10.759             |          |
| 17,700.0                                                                   | 12,650.0              | 16,429.7              | 11,422.1              | 111.0            | 111.9         | -50.55                | -6,174.9                            | 1,543.5      | 1,921.6                | 1,740.5                 | 181.10                    | 10.610             |          |
| 17,800.0                                                                   | 12,650.0              | 16,517.7              | 11,422.2              | 112.5            | 113.3         | -50.53                | -6,262.9                            | 1,543.0      | 1,920.6                | 1,737.2                 | 183.40                    | 10.472             |          |
| 17,844.7                                                                   | 12,650.0              | 16,549.5              | 11,421.8              | 113.2            | 113.7         | -50.51                | -6,294.7                            | 1,542.7      | 1,920.4                | 1,736.2                 | 184.28                    | 10.421             |          |
| 17,900.0                                                                   | 12,650.0              | 16,587.5              | 11,420.7              | 114.1            | 114.3         | -50.48                | -6,332.7                            | 1,542.4      | 1,920.7                | 1,735.4                 | 185.31                    | 10.365             |          |
| 18,000.0                                                                   | 12,650.0              | 16,688.2              | 11,417.0              | 115.6            | 115.9         | -50.36                | -6,433.3                            | 1,541.5      | 1,921.9                | 1,734.3                 | 187.63                    | 10.243             |          |
| 18,100.0                                                                   | 12,650.0              | 16,786.4              | 11,415.2              | 117.1            | 117.4         | -50.31                | -6,531.5                            | 1,541.6      | 1,922.7                | 1,732.7                 | 190.05                    | 10.117             |          |
| 18,200.0                                                                   | 12,650.0              | 16,854.1              | 11,414.3              | 118.7            | 118.5         | -50.30                | -6,599.1                            | 1,542.6      | 1,924.4                | 1,732.4                 | 191.97                    | 10.024             |          |
| 18,300.0                                                                   | 12,650.0              | 16,926.3              | 11,411.9              | 120.2            | 119.6         | -50.28                | -6,671.4                            | 1,544.6      | 1,928.0                | 1,734.1                 | 193.91                    | 9.943              |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #551H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 29-MWD                                                     |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 18,400.0                                                                   | 12,650.0              | 17,034.2              | 11,408.2              | 121.8            | 121.3         | -50.23                | -6,779.1                            | 1,547.4      | 1,931.7                | 1,735.1                 | 196.55                    | 9.828              |          |
| 18,500.0                                                                   | 12,650.0              | 17,133.9              | 11,404.2              | 123.3            | 122.9         | -50.17                | -6,878.7                            | 1,549.6      | 1,935.5                | 1,736.5                 | 198.98                    | 9.727              |          |
| 18,600.0                                                                   | 12,650.0              | 17,234.5              | 11,401.7              | 124.9            | 124.4         | -50.16                | -6,979.2                            | 1,552.7      | 1,939.0                | 1,737.5                 | 201.55                    | 9.621              |          |
| 18,700.0                                                                   | 12,650.0              | 17,334.2              | 11,398.0              | 126.4            | 126.0         | -50.11                | -7,078.8                            | 1,555.2      | 1,942.8                | 1,738.7                 | 204.01                    | 9.523              |          |
| 18,800.0                                                                   | 12,650.0              | 17,431.4              | 11,394.2              | 128.0            | 127.5         | -50.06                | -7,175.9                            | 1,557.2      | 1,946.4                | 1,740.0                 | 206.40                    | 9.430              |          |
| 18,900.0                                                                   | 12,650.0              | 17,547.9              | 11,388.7              | 129.5            | 129.4         | -49.95                | -7,292.3                            | 1,558.8      | 1,950.1                | 1,741.0                 | 209.08                    | 9.327              |          |
| 19,000.0                                                                   | 12,650.0              | 17,655.5              | 11,386.0              | 131.1            | 131.1         | -49.92                | -7,399.8                            | 1,560.9      | 1,952.7                | 1,741.0                 | 211.74                    | 9.222              |          |
| 19,100.0                                                                   | 12,650.0              | 17,788.3              | 11,384.1              | 132.6            | 133.2         | -49.89                | -7,532.6                            | 1,562.8      | 1,954.2                | 1,739.3                 | 214.91                    | 9.093              |          |
| 19,200.0                                                                   | 12,650.0              | 17,875.8              | 11,383.1              | 134.2            | 134.6         | -49.88                | -7,620.1                            | 1,563.7      | 1,955.2                | 1,738.0                 | 217.22                    | 9.001              |          |
| 19,300.0                                                                   | 12,650.0              | 17,949.0              | 11,380.6              | 135.8            | 135.7         | -49.82                | -7,693.2                            | 1,564.3      | 1,957.6                | 1,738.4                 | 219.16                    | 8.932              |          |
| 19,400.0                                                                   | 12,650.0              | 18,173.5              | 11,378.0              | 137.3            | 139.3         | -49.74                | -7,917.6                            | 1,564.2      | 1,958.4                | 1,734.7                 | 223.72                    | 8.754              |          |
| 19,500.0                                                                   | 12,650.0              | 18,296.6              | 11,383.3              | 138.9            | 141.2         | -49.80                | -8,040.7                            | 1,562.1      | 1,953.8                | 1,727.0                 | 226.79                    | 8.615              |          |
| 19,600.0                                                                   | 12,650.0              | 18,384.6              | 11,386.6              | 140.5            | 142.6         | -49.83                | -8,128.5                            | 1,560.4      | 1,949.4                | 1,720.1                 | 229.31                    | 8.501              |          |
| 19,700.0                                                                   | 12,650.0              | 18,462.9              | 11,389.3              | 142.1            | 143.9         | -49.87                | -8,206.8                            | 1,559.5      | 1,945.9                | 1,714.2                 | 231.69                    | 8.399              |          |
| 19,800.0                                                                   | 12,650.0              | 18,533.0              | 11,391.4              | 143.6            | 145.0         | -49.91                | -8,276.8                            | 1,559.6      | 1,943.7                | 1,709.8                 | 233.93                    | 8.309              |          |
| 19,877.2                                                                   | 12,650.0              | 18,583.3              | 11,391.9              | 144.9            | 145.8         | -49.92                | -8,327.1                            | 1,560.0      | 1,943.1                | 1,707.6                 | 235.52                    | 8.251              |          |
| 19,900.0                                                                   | 12,650.0              | 18,598.1              | 11,391.9              | 145.2            | 146.0         | -49.92                | -8,341.9                            | 1,560.1      | 1,943.2                | 1,707.2                 | 235.97                    | 8.235              |          |
| 20,000.0                                                                   | 12,650.0              | 18,687.7              | 11,391.0              | 146.8            | 147.5         | -49.90                | -8,431.5                            | 1,560.8      | 1,944.0                | 1,705.7                 | 238.34                    | 8.156              |          |
| 20,100.0                                                                   | 12,650.0              | 18,795.7              | 11,390.0              | 148.4            | 149.2         | -49.89                | -8,539.6                            | 1,561.8      | 1,944.8                | 1,703.7                 | 241.07                    | 8.067              |          |
| 20,200.0                                                                   | 12,650.0              | 18,936.2              | 11,392.3              | 150.0            | 151.4         | -49.95                | -8,680.0                            | 1,563.4      | 1,944.2                | 1,699.6                 | 244.56                    | 7.950              |          |
| 20,300.0                                                                   | 12,650.0              | 19,038.1              | 11,395.3              | 151.6            | 153.1         | -50.03                | -8,781.8                            | 1,564.3      | 1,942.4                | 1,695.0                 | 247.42                    | 7.851              |          |
| 20,400.0                                                                   | 12,650.0              | 19,115.5              | 11,397.1              | 153.2            | 154.3         | -50.07                | -8,859.2                            | 1,564.9      | 1,941.2                | 1,691.4                 | 249.78                    | 7.772              |          |
| 20,425.7                                                                   | 12,650.0              | 19,131.8              | 11,397.2              | 153.6            | 154.6         | -50.07                | -8,875.5                            | 1,565.1      | 1,941.1                | 1,690.8                 | 250.30                    | 7.755              |          |
| 20,500.0                                                                   | 12,650.0              | 19,185.0              | 11,396.7              | 154.7            | 155.4         | -50.07                | -8,928.7                            | 1,565.6      | 1,941.6                | 1,689.8                 | 251.84                    | 7.710              |          |
| 20,600.0                                                                   | 12,650.0              | 19,266.8              | 11,395.0              | 156.3            | 156.7         | -50.04                | -9,010.5                            | 1,566.5      | 1,943.4                | 1,689.4                 | 254.03                    | 7.650              |          |
| 20,700.0                                                                   | 12,650.0              | 19,347.2              | 11,392.5              | 157.9            | 158.0         | -49.99                | -9,090.9                            | 1,567.6      | 1,945.9                | 1,689.8                 | 256.13                    | 7.597              |          |
| 20,800.0                                                                   | 12,650.0              | 19,491.1              | 11,387.8              | 159.5            | 160.3         | -49.89                | -9,234.6                            | 1,568.7      | 1,948.3                | 1,688.9                 | 259.37                    | 7.512              |          |
| 20,900.0                                                                   | 12,650.0              | 19,641.4              | 11,389.3              | 161.1            | 162.7         | -49.93                | -9,384.9                            | 1,570.0      | 1,947.9                | 1,684.9                 | 263.00                    | 7.406              |          |
| 21,000.0                                                                   | 12,650.0              | 19,757.8              | 11,393.7              | 162.7            | 164.6         | -50.03                | -9,501.2                            | 1,570.9      | 1,945.5                | 1,679.4                 | 266.17                    | 7.309              |          |
| 21,100.0                                                                   | 12,650.0              | 19,865.0              | 11,398.3              | 164.3            | 166.3         | -50.13                | -9,608.4                            | 1,571.4      | 1,942.7                | 1,673.5                 | 269.21                    | 7.216              |          |
| 21,200.0                                                                   | 12,650.0              | 19,962.6              | 11,402.5              | 165.9            | 167.9         | -50.22                | -9,705.9                            | 1,571.8      | 1,939.7                | 1,667.6                 | 272.09                    | 7.129              |          |
| 21,300.0                                                                   | 12,650.0              | 20,058.1              | 11,406.6              | 167.5            | 169.4         | -50.32                | -9,801.2                            | 1,572.4      | 1,937.0                | 1,662.1                 | 274.94                    | 7.045              |          |
| 21,400.0                                                                   | 12,650.0              | 20,159.9              | 11,412.1              | 169.1            | 171.1         | -50.45                | -9,902.9                            | 1,573.6      | 1,934.0                | 1,656.0                 | 278.02                    | 6.956              |          |
| 21,500.0                                                                   | 12,650.0              | 20,231.0              | 11,414.9              | 170.7            | 172.2         | -50.53                | -9,973.9                            | 1,574.6      | 1,932.1                | 1,651.6                 | 280.46                    | 6.889              |          |
| 21,600.0                                                                   | 12,650.0              | 20,313.4              | 11,416.7              | 172.3            | 173.6         | -50.58                | -10,056.3                           | 1,575.8      | 1,931.3                | 1,648.3                 | 282.98                    | 6.825              |          |
| 21,700.0                                                                   | 12,650.0              | 20,421.2              | 11,418.3              | 173.9            | 175.3         | -50.63                | -10,164.0                           | 1,577.1      | 1,930.9                | 1,645.0                 | 285.93                    | 6.753              |          |
| 21,788.5                                                                   | 12,650.0              | 20,495.5              | 11,419.3              | 175.3            | 176.5         | -50.66                | -10,238.3                           | 1,578.1      | 1,930.6                | 1,642.4                 | 288.14                    | 6.700              |          |
| 21,800.0                                                                   | 12,650.0              | 20,505.0              | 11,419.4              | 175.5            | 176.7         | -50.67                | -10,247.9                           | 1,578.2      | 1,930.6                | 1,642.1                 | 288.43                    | 6.693              |          |
| 21,900.0                                                                   | 12,650.0              | 20,614.3              | 11,420.6              | 177.1            | 178.4         | -50.71                | -10,357.2                           | 1,579.8      | 1,930.5                | 1,639.1                 | 291.41                    | 6.625              |          |
| 22,000.0                                                                   | 12,650.0              | 20,715.7              | 11,422.1              | 178.7            | 180.1         | -50.76                | -10,458.5                           | 1,581.1      | 1,930.1                | 1,635.8                 | 294.25                    | 6.559              |          |
| 22,066.2                                                                   | 12,650.0              | 20,773.2              | 11,422.7              | 179.8            | 181.0         | -50.78                | -10,516.0                           | 1,581.8      | 1,930.0                | 1,634.0                 | 295.92                    | 6.522              |          |
| 22,100.0                                                                   | 12,650.0              | 20,803.8              | 11,422.8              | 180.3            | 181.5         | -50.78                | -10,546.6                           | 1,582.1      | 1,930.0                | 1,633.2                 | 296.78                    | 6.503              |          |
| 22,200.0                                                                   | 12,650.0              | 20,933.6              | 11,423.7              | 182.0            | 183.6         | -50.80                | -10,676.4                           | 1,582.4      | 1,929.2                | 1,629.2                 | 300.01                    | 6.430              |          |
| 22,300.0                                                                   | 12,650.0              | 21,034.5              | 11,425.3              | 183.6            | 185.2         | -50.82                | -10,777.3                           | 1,582.3      | 1,927.7                | 1,624.9                 | 302.78                    | 6.367              |          |
| 22,400.0                                                                   | 12,650.0              | 21,130.2              | 11,426.4              | 185.2            | 186.8         | -50.83                | -10,873.0                           | 1,582.3      | 1,926.4                | 1,621.0                 | 305.44                    | 6.307              |          |
| 22,500.0                                                                   | 12,650.0              | 21,235.8              | 11,427.7              | 186.8            | 188.5         | -50.85                | -10,978.5                           | 1,582.2      | 1,925.2                | 1,616.9                 | 308.27                    | 6.245              |          |
| 22,600.0                                                                   | 12,650.0              | 21,344.4              | 11,429.4              | 188.4            | 190.2         | -50.87                | -11,087.2                           | 1,581.9      | 1,923.4                | 1,612.2                 | 311.16                    | 6.181              |          |
| 22,700.0                                                                   | 12,650.0              | 21,445.0              | 11,431.3              | 190.0            | 191.9         | -50.89                | -11,187.7                           | 1,581.4      | 1,921.4                | 1,607.5                 | 313.93                    | 6.121              |          |
| 22,800.0                                                                   | 12,650.0              | 21,544.5              | 11,433.4              | 191.6            | 193.5         | -50.93                | -11,287.3                           | 1,581.2      | 1,919.4                | 1,602.7                 | 316.72                    | 6.060              |          |
| 22,880.9                                                                   | 12,650.0              | 21,588.0              | 11,434.3              | 192.9            | 194.2         | -50.94                | -11,330.7                           | 1,581.2      | 1,918.2                | 1,599.9                 | 318.32                    | 6.026              |          |
| 22,884.1                                                                   | 12,650.0              | 21,588.0              | 11,434.3              | 193.0            | 194.2         | -50.94                | -11,330.7                           | 1,581.2      | 1,918.2                | 1,599.9                 | 318.35                    | 6.026 SF           |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design          |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 29-MWD |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference              |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)  | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 0.0                    | 0.0                   | 0.0                   | 0.0                   | 0.0              | 0.0           | 66.23                 | 35.0                                | 79.5         | 86.9                   |                         |                           |                    |          |
| 100.0                  | 100.0                 | 99.6                  | 99.6                  | 0.1              | 0.3           | 66.20                 | 35.1                                | 79.6         | 87.0                   | 86.6                    | 0.38                      | 226.180            |          |
| 200.0                  | 200.0                 | 199.2                 | 199.2                 | 0.5              | 0.6           | 66.03                 | 35.6                                | 80.2         | 87.7                   | 86.6                    | 1.10                      | 79.819             |          |
| 300.0                  | 300.0                 | 299.4                 | 299.4                 | 0.8              | 1.0           | 65.86                 | 36.2                                | 80.8         | 88.5                   | 86.7                    | 1.81                      | 48.791             |          |
| 400.0                  | 400.0                 | 399.4                 | 399.4                 | 1.2              | 1.3           | 65.71                 | 36.7                                | 81.3         | 89.2                   | 86.7                    | 2.53                      | 35.276             |          |
| 500.0                  | 500.0                 | 499.5                 | 499.5                 | 1.6              | 1.7           | 65.70                 | 36.9                                | 81.8         | 89.7                   | 86.5                    | 3.24                      | 27.648             |          |
| 600.0                  | 600.0                 | 599.2                 | 599.1                 | 1.9              | 2.0           | 65.77                 | 37.2                                | 82.6         | 90.6                   | 86.6                    | 3.96                      | 22.881             |          |
| 700.0                  | 700.0                 | 699.6                 | 699.6                 | 2.3              | 2.4           | 66.07                 | 37.1                                | 83.5         | 91.4                   | 86.7                    | 4.67                      | 19.562             |          |
| 800.0                  | 800.0                 | 799.7                 | 799.7                 | 2.6              | 2.7           | 66.52                 | 36.5                                | 84.1         | 91.7                   | 86.3                    | 5.38                      | 17.046             |          |
| 900.0                  | 900.0                 | 899.5                 | 899.4                 | 3.0              | 3.1           | 66.88                 | 36.2                                | 84.7         | 92.1                   | 86.0                    | 6.09                      | 15.133             |          |
| 1,000.0                | 1,000.0               | 999.9                 | 999.9                 | 3.4              | 3.4           | 67.17                 | 35.9                                | 85.3         | 92.5                   | 85.7                    | 6.80                      | 13.606             |          |
| 1,100.0                | 1,100.0               | 1,101.0               | 1,100.9               | 3.7              | 3.8           | 67.25                 | 35.6                                | 84.9         | 92.0                   | 84.5                    | 7.50                      | 12.267             |          |
| 1,200.0                | 1,200.0               | 1,201.4               | 1,201.4               | 4.1              | 4.1           | 67.28                 | 35.0                                | 83.6         | 90.7                   | 82.5                    | 8.20                      | 11.064             |          |
| 1,300.0                | 1,300.0               | 1,301.5               | 1,301.4               | 4.4              | 4.5           | 67.50                 | 34.1                                | 82.4         | 89.2                   | 80.3                    | 8.89                      | 10.030             |          |
| 1,400.0                | 1,400.0               | 1,401.0               | 1,400.9               | 4.8              | 4.8           | 67.92                 | 32.9                                | 81.2         | 87.6                   | 78.0                    | 9.59                      | 9.132              |          |
| 1,500.0                | 1,500.0               | 1,500.4               | 1,500.3               | 5.1              | 5.2           | 68.22                 | 32.3                                | 80.9         | 87.1                   | 76.8                    | 10.30                     | 8.455              |          |
| 1,600.0                | 1,600.0               | 1,600.5               | 1,600.4               | 5.5              | 5.5           | 68.55                 | 31.7                                | 80.6         | 86.6                   | 75.6                    | 11.01                     | 7.872              |          |
| 1,666.5                | 1,666.5               | 1,666.5               | 1,666.5               | 5.7              | 5.7           | 68.83                 | 31.2                                | 80.6         | 86.4                   | 74.9                    | 11.48                     | 7.530 CC           |          |
| 1,700.0                | 1,700.0               | 1,699.7               | 1,699.7               | 5.9              | 5.8           | 68.94                 | 31.1                                | 80.7         | 86.5                   | 74.8                    | 11.71                     | 7.383              |          |
| 1,800.0                | 1,800.0               | 1,798.6               | 1,798.5               | 6.2              | 6.2           | 69.37                 | 30.8                                | 81.9         | 87.6                   | 75.1                    | 12.42                     | 7.050              |          |
| 1,900.0                | 1,900.0               | 1,898.8               | 1,898.7               | 6.6              | 6.6           | 71.17                 | 28.8                                | 84.3         | 89.1                   | 76.0                    | 13.13                     | 6.785              |          |
| 2,000.0                | 2,000.0               | 1,999.2               | 1,999.0               | 6.9              | 6.9           | 73.61                 | 25.5                                | 86.8         | 90.5                   | 76.6                    | 13.85                     | 6.532              |          |
| 2,100.0                | 2,100.0               | 2,100.2               | 2,099.9               | 7.3              | 7.3           | 75.74                 | 22.4                                | 88.3         | 91.1                   | 76.5                    | 14.57                     | 6.253              |          |
| 2,200.0                | 2,200.0               | 2,200.9               | 2,200.5               | 7.7              | 7.6           | 77.82                 | 19.2                                | 88.7         | 90.8                   | 75.5                    | 15.28                     | 5.937              |          |
| 2,300.0                | 2,300.0               | 2,300.7               | 2,300.4               | 8.0              | 8.0           | 79.78                 | 16.0                                | 88.8         | 90.2                   | 74.2                    | 16.00                     | 5.639              |          |
| 2,384.8                | 2,384.8               | 2,385.2               | 2,384.8               | 8.3              | 8.3           | 81.17                 | 13.8                                | 89.0         | 90.0                   | 73.4                    | 16.60                     | 5.424              |          |
| 2,400.0                | 2,400.0               | 2,400.4               | 2,399.9               | 8.4              | 8.3           | 81.39                 | 13.5                                | 89.0         | 90.1                   | 73.3                    | 16.71                     | 5.389              |          |
| 2,500.0                | 2,500.0               | 2,499.8               | 2,499.3               | 8.7              | 8.7           | 82.86                 | 11.2                                | 89.7         | 90.4                   | 73.0                    | 17.42                     | 5.188              |          |
| 2,600.0                | 2,600.0               | 2,599.1               | 2,598.6               | 9.1              | 9.1           | 84.81                 | 8.3                                 | 91.2         | 91.6                   | 73.4                    | 18.14                     | 5.048              |          |
| 2,700.0                | 2,700.0               | 2,699.1               | 2,698.6               | 9.4              | 9.4           | 86.83                 | 5.2                                 | 93.0         | 93.2                   | 74.3                    | 18.85                     | 4.941              |          |
| 2,800.0                | 2,800.0               | 2,799.8               | 2,799.2               | 9.8              | 9.8           | 88.72                 | 2.1                                 | 94.4         | 94.4                   | 74.8                    | 19.58                     | 4.822              |          |
| 2,900.0                | 2,900.0               | 2,900.1               | 2,899.4               | 10.2             | 10.1          | 91.09                 | -1.8                                | 95.0         | 95.0                   | 74.7                    | 20.29                     | 4.681              |          |
| 3,000.0                | 3,000.0               | 2,999.9               | 2,999.1               | 10.5             | 10.5          | 93.54                 | -5.9                                | 95.6         | 95.8                   | 74.8                    | 21.01                     | 4.558              |          |
| 3,100.0                | 3,100.0               | 3,099.5               | 3,098.7               | 10.9             | 10.8          | 95.78                 | -9.8                                | 96.4         | 96.9                   | 75.2                    | 21.73                     | 4.460              |          |
| 3,200.0                | 3,200.0               | 3,199.5               | 3,198.6               | 11.2             | 11.2          | 97.59                 | -13.0                               | 97.5         | 98.4                   | 75.9                    | 22.44                     | 4.383              |          |
| 3,300.0                | 3,300.0               | 3,299.7               | 3,298.8               | 11.6             | 11.6          | 99.08                 | -15.7                               | 98.4         | 99.7                   | 76.5                    | 23.16                     | 4.304              |          |
| 3,400.0                | 3,400.0               | 3,399.5               | 3,398.5               | 12.0             | 11.9          | 100.09                | -17.7                               | 99.4         | 101.0                  | 77.1                    | 23.88                     | 4.230              |          |
| 3,500.0                | 3,500.0               | 3,499.6               | 3,498.6               | 12.3             | 12.3          | 100.88                | -19.3                               | 100.6        | 102.5                  | 77.9                    | 24.59                     | 4.167              |          |
| 3,600.0                | 3,600.0               | 3,599.5               | 3,598.4               | 12.7             | 12.6          | 101.46                | -20.6                               | 101.9        | 103.9                  | 78.6                    | 25.31                     | 4.107              |          |
| 3,700.0                | 3,700.0               | 3,698.8               | 3,697.7               | 13.0             | 13.0          | 102.49                | -22.9                               | 103.2        | 105.7                  | 79.7                    | 26.02                     | 4.062              |          |
| 3,800.0                | 3,800.0               | 3,797.6               | 3,796.4               | 13.4             | 13.4          | 104.93                | -27.9                               | 104.5        | 108.2                  | 81.5                    | 26.73                     | 4.049              |          |
| 3,900.0                | 3,900.0               | 3,895.2               | 3,893.7               | 13.7             | 13.7          | 18.61                 | -35.5                               | 106.9        | 111.2                  | 83.8                    | 27.41                     | 4.057              |          |
| 4,000.0                | 3,999.8               | 3,994.3               | 3,992.3               | 14.1             | 14.1          | 22.93                 | -43.8                               | 110.2        | 112.4                  | 84.3                    | 28.09                     | 4.003              |          |
| 4,100.0                | 4,099.6               | 4,094.7               | 4,092.3               | 14.4             | 14.5          | 27.28                 | -51.8                               | 114.2        | 113.1                  | 84.3                    | 28.79                     | 3.927              |          |
| 4,200.0                | 4,199.4               | 4,198.7               | 4,196.0               | 14.8             | 14.8          | 32.28                 | -59.3                               | 114.7        | 111.0                  | 81.5                    | 29.54                     | 3.757              |          |
| 4,300.0                | 4,299.1               | 4,298.5               | 4,295.6               | 15.1             | 15.2          | 37.51                 | -65.9                               | 113.7        | 108.3                  | 78.0                    | 30.24                     | 3.580              |          |
| 4,400.0                | 4,398.9               | 4,398.1               | 4,395.1               | 15.5             | 15.6          | 42.56                 | -72.0                               | 113.2        | 106.4                  | 75.5                    | 30.94                     | 3.440              |          |
| 4,500.0                | 4,498.6               | 4,498.3               | 4,495.1               | 15.8             | 15.9          | 47.79                 | -77.6                               | 112.2        | 104.8                  | 73.2                    | 31.64                     | 3.314              |          |
| 4,555.0                | 4,553.5               | 4,553.1               | 4,549.9               | 16.0             | 16.1          | 50.59                 | -80.7                               | 111.5        | 104.5                  | 72.5                    | 32.02                     | 3.263              |          |
| 4,600.0                | 4,598.5               | 4,598.1               | 4,594.7               | 16.2             | 16.3          | 52.64                 | -83.2                               | 110.9        | 104.7                  | 72.4                    | 32.34                     | 3.238 ES           |          |
| 4,700.0                | 4,698.4               | 4,697.6               | 4,694.1               | 16.5             | 16.7          | 56.35                 | -88.9                               | 109.7        | 106.8                  | 73.8                    | 33.03                     | 3.233 SF           |          |
| 4,766.7                | 4,765.1               | 4,764.5               | 4,760.9               | 16.8             | 16.9          | 148.02                | -92.5                               | 108.9        | 109.1                  | 75.6                    | 33.51                     | 3.257              |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #553H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 29-MWD                                                     |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 4,800.0                                                                    | 4,798.4               | 4,797.9               | 4,794.3               | 16.9             | 17.0          | 148.70                | -94.3                               | 108.5        | 110.4                  | 76.6                    | 33.75                     | 3.271              |          |
| 4,900.0                                                                    | 4,898.4               | 4,897.0               | 4,893.2               | 17.2             | 17.4          | 150.03                | -99.1                               | 108.3        | 114.6                  | 80.1                    | 34.45                     | 3.325              |          |
| 5,000.0                                                                    | 4,998.4               | 4,999.2               | 4,995.4               | 17.6             | 17.8          | 150.76                | -103.1                              | 108.9        | 118.2                  | 83.0                    | 35.19                     | 3.360              |          |
| 5,100.0                                                                    | 5,098.4               | 5,099.4               | 5,095.5               | 17.9             | 18.1          | 150.96                | -105.4                              | 109.7        | 120.6                  | 84.7                    | 35.90                     | 3.358              |          |
| 5,200.0                                                                    | 5,198.4               | 5,199.2               | 5,195.3               | 18.3             | 18.5          | 151.22                | -107.9                              | 110.4        | 123.1                  | 86.5                    | 36.62                     | 3.362              |          |
| 5,300.0                                                                    | 5,298.4               | 5,299.6               | 5,295.6               | 18.7             | 18.8          | 151.43                | -110.2                              | 111.2        | 125.5                  | 88.2                    | 37.34                     | 3.362              |          |
| 5,400.0                                                                    | 5,398.4               | 5,399.4               | 5,395.4               | 19.0             | 19.2          | 151.73                | -112.5                              | 111.7        | 127.8                  | 89.8                    | 38.05                     | 3.359              |          |
| 5,500.0                                                                    | 5,498.4               | 5,499.7               | 5,495.6               | 19.4             | 19.6          | 152.00                | -114.8                              | 112.2        | 130.1                  | 91.3                    | 38.77                     | 3.355              |          |
| 5,600.0                                                                    | 5,598.4               | 5,599.7               | 5,595.6               | 19.7             | 19.9          | 152.20                | -116.9                              | 112.8        | 132.2                  | 92.7                    | 39.48                     | 3.348              |          |
| 5,700.0                                                                    | 5,698.4               | 5,700.0               | 5,695.9               | 20.1             | 20.3          | 152.56                | -119.1                              | 113.0        | 134.2                  | 94.0                    | 40.20                     | 3.338              |          |
| 5,766.7                                                                    | 5,765.1               | 5,763.8               | 5,759.7               | 20.3             | 20.5          | 152.67                | -120.7                              | 113.5        | 135.9                  | 95.3                    | 40.66                     | 3.344              |          |
| 5,800.0                                                                    | 5,798.4               | 5,795.2               | 5,791.1               | 20.4             | 20.6          | -25.70                | -121.9                              | 114.2        | 137.3                  | 96.4                    | 40.86                     | 3.360              |          |
| 5,900.0                                                                    | 5,898.4               | 5,893.2               | 5,888.9               | 20.8             | 21.0          | -26.36                | -127.2                              | 117.5        | 140.9                  | 99.4                    | 41.52                     | 3.395              |          |
| 6,000.0                                                                    | 5,998.1               | 5,988.3               | 5,983.7               | 21.1             | 21.3          | -27.69                | -133.7                              | 121.7        | 143.5                  | 101.4                   | 42.09                     | 3.409              |          |
| 6,100.0                                                                    | 6,097.7               | 6,081.7               | 6,076.3               | 21.4             | 21.7          | -29.39                | -143.6                              | 127.5        | 147.1                  | 104.5                   | 42.56                     | 3.456              |          |
| 6,200.0                                                                    | 6,196.8               | 6,177.1               | 6,170.4               | 21.8             | 22.1          | -30.69                | -158.2                              | 133.2        | 151.7                  | 108.7                   | 43.06                     | 3.523              |          |
| 6,229.5                                                                    | 6,225.9               | 6,205.4               | 6,198.3               | 21.8             | 22.2          | -30.98                | -163.2                              | 134.7        | 153.0                  | 109.8                   | 43.21                     | 3.541              |          |
| 6,300.0                                                                    | 6,295.5               | 6,273.2               | 6,264.7               | 22.1             | 22.4          | -31.66                | -176.0                              | 138.4        | 156.7                  | 113.1                   | 43.58                     | 3.595              |          |
| 6,400.0                                                                    | 6,394.2               | 6,371.9               | 6,361.2               | 22.4             | 22.8          | -32.38                | -196.1                              | 144.2        | 163.2                  | 119.0                   | 44.22                     | 3.691              |          |
| 6,500.0                                                                    | 6,492.9               | 6,470.0               | 6,456.9               | 22.7             | 23.3          | -32.72                | -217.0                              | 149.4        | 170.4                  | 125.6                   | 44.84                     | 3.801              |          |
| 6,600.0                                                                    | 6,591.6               | 6,572.8               | 6,557.2               | 23.1             | 23.7          | -33.02                | -238.9                              | 154.7        | 177.5                  | 131.8                   | 45.70                     | 3.884              |          |
| 6,700.0                                                                    | 6,690.3               | 6,671.2               | 6,653.5               | 23.4             | 24.1          | -33.90                | -258.1                              | 161.0        | 183.8                  | 137.4                   | 46.35                     | 3.964              |          |
| 6,800.0                                                                    | 6,789.0               | 6,769.4               | 6,749.5               | 23.8             | 24.5          | -35.00                | -277.4                              | 168.5        | 191.0                  | 144.0                   | 47.01                     | 4.063              |          |
| 6,900.0                                                                    | 6,887.7               | 6,867.7               | 6,845.2               | 24.1             | 24.9          | -35.27                | -298.8                              | 174.5        | 199.0                  | 151.3                   | 47.66                     | 4.175              |          |
| 7,000.0                                                                    | 6,986.4               | 6,966.9               | 6,941.6               | 24.5             | 25.4          | -34.91                | -322.1                              | 178.9        | 207.5                  | 159.1                   | 48.35                     | 4.291              |          |
| 7,100.0                                                                    | 7,085.1               | 7,069.5               | 7,041.4               | 24.8             | 25.8          | -34.78                | -345.2                              | 183.8        | 215.3                  | 166.1                   | 49.19                     | 4.376              |          |
| 7,200.0                                                                    | 7,183.8               | 7,169.1               | 7,138.5               | 25.2             | 26.2          | -34.75                | -366.8                              | 188.4        | 222.4                  | 172.5                   | 49.91                     | 4.457              |          |
| 7,300.0                                                                    | 7,282.5               | 7,267.5               | 7,234.2               | 25.6             | 26.7          | -34.61                | -389.0                              | 192.9        | 230.2                  | 179.6                   | 50.58                     | 4.551              |          |
| 7,400.0                                                                    | 7,381.2               | 7,370.3               | 7,334.5               | 25.9             | 27.1          | -34.48                | -411.7                              | 197.4        | 237.4                  | 186.0                   | 51.42                     | 4.616              |          |
| 7,500.0                                                                    | 7,479.8               | 7,474.3               | 7,436.1               | 26.3             | 27.6          | -34.57                | -432.9                              | 201.7        | 243.1                  | 190.8                   | 52.29                     | 4.649              |          |
| 7,600.0                                                                    | 7,578.5               | 7,578.5               | 7,538.6               | 26.7             | 28.0          | -35.00                | -451.8                              | 206.0        | 247.0                  | 193.8                   | 53.16                     | 4.645              |          |
| 7,700.0                                                                    | 7,677.2               | 7,675.4               | 7,633.9               | 27.0             | 28.4          | -35.55                | -468.2                              | 210.1        | 250.0                  | 196.1                   | 53.82                     | 4.645              |          |
| 7,800.0                                                                    | 7,775.9               | 7,770.3               | 7,726.7               | 27.4             | 28.9          | -35.71                | -487.4                              | 214.5        | 255.8                  | 201.4                   | 54.40                     | 4.703              |          |
| 7,900.0                                                                    | 7,874.6               | 7,874.1               | 7,828.3               | 27.8             | 29.3          | -35.84                | -508.3                              | 219.1        | 261.6                  | 206.3                   | 55.27                     | 4.732              |          |
| 8,000.0                                                                    | 7,973.3               | 7,978.8               | 7,931.2               | 28.2             | 29.8          | -36.13                | -527.4                              | 223.0        | 265.3                  | 209.1                   | 56.15                     | 4.724              |          |
| 8,100.0                                                                    | 8,072.0               | 8,073.6               | 8,024.4               | 28.6             | 30.2          | -36.31                | -544.6                              | 226.0        | 268.6                  | 211.8                   | 56.76                     | 4.732              |          |
| 8,200.0                                                                    | 8,170.7               | 8,169.7               | 8,118.3               | 28.9             | 30.6          | -36.37                | -564.3                              | 230.3        | 274.6                  | 217.2                   | 57.40                     | 4.785              |          |
| 8,300.0                                                                    | 8,269.4               | 8,270.9               | 8,217.2               | 29.3             | 31.1          | -36.31                | -585.5                              | 234.3        | 280.7                  | 222.5                   | 58.19                     | 4.824              |          |
| 8,400.0                                                                    | 8,368.1               | 8,373.5               | 8,317.8               | 29.7             | 31.5          | -36.55                | -605.5                              | 239.1        | 286.0                  | 227.0                   | 59.02                     | 4.845              |          |
| 8,500.0                                                                    | 8,466.8               | 8,473.0               | 8,415.3               | 30.1             | 32.0          | -36.68                | -624.7                              | 242.9        | 290.7                  | 230.9                   | 59.77                     | 4.863              |          |
| 8,600.0                                                                    | 8,565.5               | 8,566.1               | 8,506.4               | 30.5             | 32.4          | -36.89                | -643.2                              | 247.6        | 296.5                  | 236.2                   | 60.33                     | 4.915              |          |
| 8,700.0                                                                    | 8,664.2               | 8,669.1               | 8,607.1               | 30.9             | 32.9          | -37.44                | -663.6                              | 254.9        | 303.7                  | 242.5                   | 61.20                     | 4.962              |          |
| 8,800.0                                                                    | 8,762.9               | 8,777.9               | 8,714.0               | 31.3             | 33.3          | -38.07                | -682.8                              | 261.3        | 308.5                  | 246.2                   | 62.21                     | 4.959              |          |
| 8,900.0                                                                    | 8,861.6               | 8,877.1               | 8,811.5               | 31.7             | 33.8          | -38.15                | -701.0                              | 264.2        | 311.8                  | 248.8                   | 62.95                     | 4.952              |          |
| 9,000.0                                                                    | 8,960.3               | 8,965.7               | 8,898.2               | 32.1             | 34.2          | -38.08                | -719.0                              | 267.3        | 317.0                  | 253.6                   | 63.42                     | 4.999              |          |
| 9,100.0                                                                    | 9,059.0               | 9,069.6               | 8,999.4               | 32.5             | 34.7          | -37.87                | -741.6                              | 271.3        | 323.7                  | 259.4                   | 64.29                     | 5.035              |          |
| 9,200.0                                                                    | 9,157.7               | 9,167.4               | 9,094.9               | 32.9             | 35.1          | -37.65                | -762.7                              | 274.6        | 329.8                  | 264.8                   | 64.99                     | 5.074              |          |
| 9,300.0                                                                    | 9,256.4               | 9,260.1               | 9,185.3               | 33.3             | 35.6          | -37.57                | -783.1                              | 279.1        | 337.3                  | 271.7                   | 65.55                     | 5.145              |          |
| 9,400.0                                                                    | 9,355.1               | 9,375.4               | 9,298.0               | 33.7             | 36.1          | -37.76                | -806.4                              | 285.0        | 343.5                  | 276.8                   | 66.73                     | 5.148              |          |
| 9,500.0                                                                    | 9,453.8               | 9,479.8               | 9,400.9               | 34.1             | 36.5          | -38.47                | -823.0                              | 291.0        | 346.8                  | 279.2                   | 67.61                     | 5.129              |          |
| 9,600.0                                                                    | 9,552.5               | 9,580.6               | 9,500.3               | 34.5             | 37.0          | -39.35                | -838.0                              | 297.4        | 349.7                  | 281.2                   | 68.44                     | 5.110              |          |
| 9,700.0                                                                    | 9,651.2               | 9,689.8               | 9,608.4               | 34.9             | 37.4          | -40.37                | -852.5                              | 303.6        | 351.0                  | 281.6                   | 69.40                     | 5.058              |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #553H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 29-MWD                                                     |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 9,800.0                                                                    | 9,749.9               | 9,793.7               | 9,711.5               | 35.3             | 37.9          | -41.50                | -863.8                              | 308.4        | 350.0                  | 279.7                   | 70.27                     | 4.981              |          |
| 9,900.0                                                                    | 9,848.6               | 9,892.6               | 9,809.8               | 35.7             | 38.3          | -42.50                | -874.9                              | 312.7        | 349.1                  | 278.1                   | 71.07                     | 4.912              |          |
| 10,000.0                                                                   | 9,947.3               | 9,998.6               | 9,915.1               | 36.1             | 38.7          | -43.64                | -886.1                              | 317.2        | 347.9                  | 275.9                   | 71.96                     | 4.834              |          |
| 10,100.0                                                                   | 10,046.0              | 10,106.3              | 10,022.2              | 36.5             | 39.1          | -44.85                | -895.6                              | 320.1        | 344.3                  | 271.5                   | 72.85                     | 4.727              |          |
| 10,200.0                                                                   | 10,144.7              | 10,213.5              | 10,129.1              | 36.9             | 39.5          | -45.93                | -904.1                              | 320.5        | 338.7                  | 265.0                   | 73.69                     | 4.597              |          |
| 10,300.0                                                                   | 10,243.4              | 10,317.4              | 10,232.9              | 37.3             | 39.9          | -47.32                | -909.8                              | 320.8        | 331.5                  | 256.9                   | 74.53                     | 4.448              |          |
| 10,400.0                                                                   | 10,342.1              | 10,420.7              | 10,336.2              | 37.7             | 40.3          | -49.14                | -913.0                              | 321.4        | 323.2                  | 247.8                   | 75.38                     | 4.287              |          |
| 10,500.0                                                                   | 10,440.8              | 10,504.7              | 10,419.9              | 38.1             | 40.6          | -50.06                | -919.5                              | 321.2        | 317.2                  | 241.0                   | 76.23                     | 4.161              |          |
| 10,564.6                                                                   | 10,504.5              | 10,557.3              | 10,471.8              | 38.4             | 40.8          | -49.96                | -927.7                              | 320.2        | 315.9                  | 239.2                   | 76.63                     | 4.122              |          |
| 10,600.0                                                                   | 10,539.5              | 10,585.0              | 10,498.7              | 38.5             | 40.9          | -49.57                | -934.0                              | 319.3        | 316.3                  | 239.5                   | 76.77                     | 4.120              |          |
| 10,700.0                                                                   | 10,638.2              | 10,657.3              | 10,567.2              | 39.0             | 41.3          | -47.56                | -956.8                              | 316.0        | 322.9                  | 246.2                   | 76.64                     | 4.212              |          |
| 10,800.0                                                                   | 10,736.9              | 10,724.0              | 10,627.9              | 39.4             | 41.7          | -45.10                | -984.5                              | 314.9        | 339.3                  | 263.6                   | 75.69                     | 4.483              |          |
| 10,900.0                                                                   | 10,835.6              | 10,798.3              | 10,693.2              | 39.8             | 42.1          | -42.29                | -1,019.9                            | 316.2        | 364.0                  | 289.2                   | 74.76                     | 4.869              |          |
| 11,000.0                                                                   | 10,934.3              | 10,868.9              | 10,752.9              | 40.2             | 42.6          | -39.55                | -1,057.4                            | 318.3        | 395.4                  | 321.9                   | 73.48                     | 5.380              |          |
| 11,100.0                                                                   | 11,033.0              | 10,933.3              | 10,804.0              | 40.6             | 43.0          | -36.63                | -1,096.5                            | 318.5        | 433.5                  | 361.8                   | 71.66                     | 6.049              |          |
| 11,200.0                                                                   | 11,131.7              | 10,991.5              | 10,847.2              | 41.0             | 43.5          | -33.87                | -1,135.5                            | 317.9        | 478.5                  | 409.1                   | 69.46                     | 6.889              |          |
| 11,300.0                                                                   | 11,230.4              | 11,063.8              | 10,898.5              | 41.4             | 44.0          | -30.69                | -1,186.4                            | 317.3        | 529.0                  | 460.5                   | 68.47                     | 7.726              |          |
| 11,400.0                                                                   | 11,329.1              | 11,127.8              | 10,944.0              | 41.9             | 44.5          | -28.46                | -1,231.4                            | 318.7        | 581.8                  | 514.6                   | 67.26                     | 8.651              |          |
| 11,500.0                                                                   | 11,427.8              | 11,174.1              | 10,975.3              | 42.3             | 44.9          | -26.96                | -1,265.6                            | 320.0        | 639.5                  | 574.3                   | 65.14                     | 9.817              |          |
| 11,535.3                                                                   | 11,462.6              | 11,196.0              | 10,989.3              | 42.4             | 45.1          | -26.27                | -1,282.4                            | 320.7        | 661.0                  | 596.2                   | 64.81                     | 10.198             |          |
| 11,600.0                                                                   | 11,526.5              | 11,219.1              | 11,003.8              | 42.7             | 45.3          | -25.89                | -1,300.4                            | 321.4        | 702.1                  | 638.8                   | 63.26                     | 11.099             |          |
| 11,700.0                                                                   | 11,625.7              | 11,262.7              | 11,030.1              | 43.1             | 45.6          | -25.15                | -1,335.0                            | 323.2        | 769.9                  | 708.2                   | 61.69                     | 12.481             |          |
| 11,800.0                                                                   | 11,725.1              | 11,292.0              | 11,047.1              | 43.5             | 45.9          | -24.93                | -1,358.9                            | 324.7        | 842.5                  | 782.8                   | 59.69                     | 14.113             |          |
| 11,900.0                                                                   | 11,824.8              | 11,328.5              | 11,067.2              | 43.9             | 46.2          | -24.57                | -1,389.3                            | 326.7        | 919.2                  | 860.7                   | 58.50                     | 15.713             |          |
| 12,000.0                                                                   | 11,924.7              | 11,353.2              | 11,079.9              | 44.2             | 46.4          | -24.63                | -1,410.4                            | 328.1        | 1,000.0                | 942.9                   | 57.04                     | 17.531             |          |
| 12,100.0                                                                   | 12,024.6              | 11,388.0              | 11,096.6              | 44.6             | 46.8          | -24.43                | -1,440.9                            | 330.1        | 1,084.2                | 1,027.8                 | 56.40                     | 19.225             |          |
| 12,152.4                                                                   | 12,077.0              | 11,388.0              | 11,096.6              | 44.7             | 46.8          | 153.34                | -1,440.9                            | 330.1        | 1,129.2                | 1,073.9                 | 55.33                     | 20.409             |          |
| 12,200.0                                                                   | 12,124.6              | 11,388.0              | 11,096.6              | 44.9             | 46.8          | -26.83                | -1,440.9                            | 330.1        | 1,170.0                | 1,115.6                 | 54.39                     | 21.512             |          |
| 12,250.0                                                                   | 12,174.2              | 11,388.0              | 11,096.6              | 45.1             | 46.8          | -23.70                | -1,440.9                            | 330.1        | 1,211.3                | 1,157.9                 | 53.35                     | 22.704             |          |
| 12,300.0                                                                   | 12,223.0              | 11,388.0              | 11,096.6              | 45.3             | 46.8          | -21.21                | -1,440.9                            | 330.1        | 1,250.9                | 1,198.7                 | 52.28                     | 23.926             |          |
| 12,350.0                                                                   | 12,270.7              | 11,388.0              | 11,096.6              | 45.6             | 46.8          | -19.20                | -1,440.9                            | 330.1        | 1,288.9                | 1,237.7                 | 51.19                     | 25.177             |          |
| 12,400.0                                                                   | 12,317.0              | 11,428.9              | 11,113.8              | 45.8             | 47.1          | -17.36                | -1,477.9                            | 332.1        | 1,322.6                | 1,270.9                 | 51.67                     | 25.598             |          |
| 12,450.0                                                                   | 12,361.4              | 11,439.2              | 11,117.7              | 46.1             | 47.2          | -16.06                | -1,487.5                            | 332.6        | 1,355.3                | 1,304.4                 | 50.89                     | 26.634             |          |
| 12,500.0                                                                   | 12,403.7              | 11,449.8              | 11,121.4              | 46.4             | 47.3          | -15.01                | -1,497.4                            | 333.0        | 1,385.6                | 1,335.5                 | 50.10                     | 27.659             |          |
| 12,550.0                                                                   | 12,443.5              | 11,484.0              | 11,131.9              | 46.7             | 47.7          | -14.11                | -1,529.9                            | 334.1        | 1,414.1                | 1,364.0                 | 50.12                     | 28.213             |          |
| 12,600.0                                                                   | 12,480.5              | 11,484.0              | 11,131.9              | 47.1             | 47.7          | -13.43                | -1,529.9                            | 334.1        | 1,438.6                | 1,389.7                 | 48.92                     | 29.406             |          |
| 12,650.0                                                                   | 12,514.4              | 11,484.0              | 11,131.9              | 47.4             | 47.7          | -12.87                | -1,529.9                            | 334.1        | 1,460.8                | 1,413.1                 | 47.76                     | 30.590             |          |
| 12,700.0                                                                   | 12,545.0              | 11,484.0              | 11,131.9              | 47.8             | 47.7          | -12.40                | -1,529.9                            | 334.1        | 1,480.5                | 1,433.9                 | 46.63                     | 31.751             |          |
| 12,750.0                                                                   | 12,572.0              | 11,484.0              | 11,131.9              | 48.1             | 47.7          | -12.01                | -1,529.9                            | 334.1        | 1,497.7                | 1,452.2                 | 45.56                     | 32.874             |          |
| 12,800.0                                                                   | 12,595.3              | 11,526.7              | 11,142.2              | 48.5             | 48.1          | -11.78                | -1,571.3                            | 335.1        | 1,510.4                | 1,464.7                 | 45.77                     | 33.002             |          |
| 12,850.0                                                                   | 12,614.6              | 11,541.5              | 11,145.1              | 48.9             | 48.2          | -11.59                | -1,585.8                            | 335.4        | 1,520.9                | 1,475.7                 | 45.18                     | 33.666             |          |
| 12,900.0                                                                   | 12,629.8              | 11,580.0              | 11,151.0              | 49.3             | 48.6          | -11.52                | -1,623.8                            | 335.9        | 1,528.9                | 1,483.7                 | 45.25                     | 33.787             |          |
| 12,950.0                                                                   | 12,640.8              | 11,580.0              | 11,151.0              | 49.7             | 48.6          | -11.44                | -1,623.8                            | 335.9        | 1,532.7                | 1,488.3                 | 44.35                     | 34.556             |          |
| 13,000.0                                                                   | 12,647.6              | 11,594.3              | 11,152.8              | 50.1             | 48.7          | -11.46                | -1,638.0                            | 336.0        | 1,533.7                | 1,489.8                 | 43.89                     | 34.940             |          |
| 13,052.4                                                                   | 12,650.0              | 11,629.9              | 11,156.8              | 50.5             | 49.1          | -11.62                | -1,673.4                            | 335.8        | 1,530.9                | 1,487.0                 | 43.94                     | 34.843             |          |
| 13,100.0                                                                   | 12,650.0              | 11,670.0              | 11,160.7              | 50.9             | 49.5          | -11.62                | -1,713.3                            | 335.0        | 1,526.7                | 1,482.6                 | 44.14                     | 34.587             |          |
| 13,200.0                                                                   | 12,650.0              | 11,774.4              | 11,170.6              | 51.8             | 50.6          | -11.54                | -1,817.2                            | 332.1        | 1,517.5                | 1,472.6                 | 44.96                     | 33.750             |          |
| 13,267.5                                                                   | 12,650.0              | 11,817.4              | 11,174.4              | 52.4             | 51.0          | -11.39                | -1,860.0                            | 330.5        | 1,511.3                | 1,466.4                 | 44.90                     | 33.660             |          |
| 13,300.0                                                                   | 12,650.0              | 11,840.6              | 11,176.2              | 52.7             | 51.2          | -11.36                | -1,883.1                            | 329.4        | 1,508.4                | 1,463.5                 | 44.91                     | 33.587             |          |
| 13,400.0                                                                   | 12,650.0              | 11,914.7              | 11,181.1              | 53.6             | 52.0          | -11.25                | -1,956.9                            | 326.1        | 1,501.0                | 1,455.9                 | 45.04                     | 33.325             |          |
| 13,500.0                                                                   | 12,650.0              | 12,004.1              | 11,185.9              | 54.6             | 53.0          | -11.15                | -2,046.1                            | 323.0        | 1,494.9                | 1,449.3                 | 45.53                     | 32.831             |          |
| 13,600.0                                                                   | 12,650.0              | 12,103.5              | 11,191.1              | 55.6             | 54.1          | -11.04                | -2,145.4                            | 319.8        | 1,489.0                | 1,442.7                 | 46.26                     | 32.185             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #553H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 29-MWD                                                     |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 13,700.0                                                                   | 12,650.0              | 12,195.2              | 11,195.9              | 56.6             | 55.1          | -10.97                | -2,236.9                            | 317.5        | 1,483.3                | 1,436.4                 | 46.90                     | 31.623            |                    |          |
| 13,800.0                                                                   | 12,650.0              | 12,268.6              | 11,199.0              | 57.6             | 56.0          | -10.93                | -2,310.3                            | 316.1        | 1,478.7                | 1,431.4                 | 47.25                     | 31.293            |                    |          |
| 13,900.0                                                                   | 12,650.0              | 12,417.3              | 11,204.6              | 58.7             | 57.7          | -10.72                | -2,458.7                            | 310.6        | 1,474.5                | 1,425.5                 | 49.00                     | 30.092            |                    |          |
| 14,000.0                                                                   | 12,650.0              | 12,524.8              | 11,211.4              | 59.8             | 59.0          | -10.63                | -2,566.0                            | 307.6        | 1,467.7                | 1,417.6                 | 50.07                     | 29.310            |                    |          |
| 14,100.0                                                                   | 12,650.0              | 12,627.4              | 11,219.5              | 61.0             | 60.3          | -10.63                | -2,668.3                            | 306.6        | 1,459.6                | 1,408.5                 | 51.15                     | 28.538            |                    |          |
| 14,200.0                                                                   | 12,650.0              | 12,717.4              | 11,225.6              | 62.1             | 61.4          | -10.63                | -2,758.1                            | 306.3        | 1,452.8                | 1,400.8                 | 51.99                     | 27.944            |                    |          |
| 14,300.0                                                                   | 12,650.0              | 12,841.7              | 11,235.2              | 63.3             | 63.0          | -10.63                | -2,881.9                            | 305.2        | 1,444.9                | 1,391.3                 | 53.61                     | 26.953            |                    |          |
| 14,400.0                                                                   | 12,650.0              | 12,956.7              | 11,245.6              | 64.5             | 64.5          | -10.65                | -2,996.5                            | 304.4        | 1,435.7                | 1,380.6                 | 55.08                     | 26.067            |                    |          |
| 14,500.0                                                                   | 12,650.0              | 13,035.1              | 11,252.8              | 65.7             | 65.6          | -10.67                | -3,074.6                            | 304.1        | 1,426.6                | 1,370.9                 | 55.75                     | 25.589            |                    |          |
| 14,600.0                                                                   | 12,650.0              | 13,103.5              | 11,257.6              | 67.0             | 66.5          | -10.68                | -3,142.7                            | 303.7        | 1,419.4                | 1,363.2                 | 56.23                     | 25.244            |                    |          |
| 14,700.0                                                                   | 12,650.0              | 13,174.8              | 11,260.8              | 68.2             | 67.4          | -10.65                | -3,214.0                            | 302.8        | 1,414.6                | 1,357.9                 | 56.79                     | 24.910            |                    |          |
| 14,800.0                                                                   | 12,650.0              | 13,291.0              | 11,266.0              | 69.5             | 69.0          | -10.63                | -3,330.1                            | 302.2        | 1,410.0                | 1,351.7                 | 58.32                     | 24.179            |                    |          |
| 14,900.0                                                                   | 12,650.0              | 13,387.9              | 11,271.2              | 70.8             | 70.3          | -10.67                | -3,426.8                            | 302.6        | 1,404.7                | 1,345.2                 | 59.51                     | 23.605            |                    |          |
| 15,000.0                                                                   | 12,650.0              | 13,464.1              | 11,274.4              | 72.1             | 71.4          | -10.68                | -3,502.9                            | 302.8        | 1,400.5                | 1,340.2                 | 60.28                     | 23.232            |                    |          |
| 15,100.0                                                                   | 12,650.0              | 13,527.1              | 11,275.7              | 73.4             | 72.2          | -10.69                | -3,565.9                            | 303.2        | 1,398.6                | 1,337.7                 | 60.83                     | 22.990            |                    |          |
| 15,200.0                                                                   | 12,650.0              | 13,631.3              | 11,276.2              | 74.8             | 73.7          | -10.72                | -3,670.2                            | 304.6        | 1,398.2                | 1,336.0                 | 62.23                     | 22.468            |                    |          |
| 15,257.0                                                                   | 12,650.0              | 13,675.7              | 11,276.6              | 75.5             | 74.3          | -10.75                | -3,714.5                            | 305.3        | 1,397.9                | 1,335.1                 | 62.75                     | 22.276            |                    |          |
| 15,300.0                                                                   | 12,650.0              | 13,706.9              | 11,276.5              | 76.1             | 74.7          | -10.76                | -3,745.7                            | 305.8        | 1,398.1                | 1,335.0                 | 63.10                     | 22.155            |                    |          |
| 15,400.0                                                                   | 12,650.0              | 13,821.3              | 11,275.7              | 77.5             | 76.3          | -10.78                | -3,860.1                            | 307.2        | 1,399.0                | 1,334.3                 | 64.71                     | 21.620            |                    |          |
| 15,500.0                                                                   | 12,650.0              | 13,939.2              | 11,276.9              | 78.8             | 78.0          | -10.83                | -3,978.0                            | 309.0        | 1,398.1                | 1,331.7                 | 66.43                     | 21.046            |                    |          |
| 15,600.0                                                                   | 12,650.0              | 14,071.7              | 11,280.4              | 80.2             | 79.9          | -10.89                | -4,110.4                            | 310.7        | 1,395.7                | 1,327.3                 | 68.48                     | 20.382            |                    |          |
| 15,700.0                                                                   | 12,650.0              | 14,156.7              | 11,283.9              | 81.6             | 81.1          | -10.91                | -4,195.4                            | 311.1        | 1,391.7                | 1,322.2                 | 69.57                     | 20.004            |                    |          |
| 15,795.2                                                                   | 12,650.0              | 14,214.0              | 11,284.6              | 83.0             | 82.0          | -10.92                | -4,252.7                            | 311.5        | 1,390.6                | 1,320.4                 | 70.17                     | 19.818            |                    |          |
| 15,800.0                                                                   | 12,650.0              | 14,214.0              | 11,284.6              | 83.0             | 82.0          | -10.92                | -4,252.7                            | 311.5        | 1,390.6                | 1,320.5                 | 70.14                     | 19.825            |                    |          |
| 15,900.0                                                                   | 12,650.0              | 14,331.1              | 11,285.3              | 84.4             | 83.7          | -10.97                | -4,369.7                            | 313.3        | 1,390.2                | 1,318.3                 | 71.91                     | 19.333            |                    |          |
| 15,984.8                                                                   | 12,650.0              | 14,403.6              | 11,285.9              | 85.6             | 84.7          | -11.03                | -4,442.2                            | 315.1        | 1,389.8                | 1,316.9                 | 72.93                     | 19.057            |                    |          |
| 16,000.0                                                                   | 12,650.0              | 14,416.8              | 11,285.9              | 85.9             | 84.9          | -11.05                | -4,455.4                            | 315.5        | 1,389.8                | 1,316.7                 | 73.12                     | 19.007            |                    |          |
| 16,100.0                                                                   | 12,650.0              | 14,506.3              | 11,285.8              | 87.3             | 86.2          | -11.14                | -4,544.9                            | 318.5        | 1,390.4                | 1,316.0                 | 74.45                     | 18.675            |                    |          |
| 16,200.0                                                                   | 12,650.0              | 14,658.6              | 11,289.0              | 88.7             | 88.5          | -11.37                | -4,697.0                            | 324.4        | 1,388.8                | 1,311.6                 | 77.12                     | 18.007            |                    |          |
| 16,300.0                                                                   | 12,650.0              | 14,733.9              | 11,291.4              | 90.2             | 89.6          | -11.47                | -4,772.3                            | 326.8        | 1,386.4                | 1,308.1                 | 78.22                     | 17.724            |                    |          |
| 16,335.7                                                                   | 12,650.0              | 14,754.7              | 11,291.6              | 90.7             | 89.9          | -11.49                | -4,793.1                            | 327.5        | 1,386.2                | 1,307.7                 | 78.49                     | 17.661            |                    |          |
| 16,400.0                                                                   | 12,650.0              | 14,796.3              | 11,291.4              | 91.6             | 90.5          | -11.53                | -4,834.6                            | 328.9        | 1,386.8                | 1,307.7                 | 79.05                     | 17.542            |                    |          |
| 16,500.0                                                                   | 12,650.0              | 14,910.0              | 11,290.9              | 93.1             | 92.2          | -11.63                | -4,948.2                            | 332.0        | 1,387.5                | 1,306.7                 | 80.88                     | 17.155            |                    |          |
| 16,600.0                                                                   | 12,650.0              | 15,002.4              | 11,290.1              | 94.5             | 93.6          | -11.72                | -5,040.6                            | 334.9        | 1,388.9                | 1,306.6                 | 82.32                     | 16.872            |                    |          |
| 16,700.0                                                                   | 12,650.0              | 15,120.1              | 11,290.9              | 96.0             | 95.4          | -11.78                | -5,158.3                            | 336.9        | 1,388.3                | 1,304.1                 | 84.20                     | 16.488            |                    |          |
| 16,702.8                                                                   | 12,650.0              | 15,121.9              | 11,290.9              | 96.0             | 95.4          | -11.78                | -5,160.1                            | 337.0        | 1,388.3                | 1,304.1                 | 84.23                     | 16.483            |                    |          |
| 16,800.0                                                                   | 12,650.0              | 15,199.5              | 11,290.1              | 97.5             | 96.6          | -11.79                | -5,237.6                            | 337.9        | 1,389.3                | 1,304.0                 | 85.32                     | 16.283            |                    |          |
| 16,900.0                                                                   | 12,650.0              | 15,316.6              | 11,289.3              | 99.0             | 98.4          | -11.80                | -5,354.7                            | 338.9        | 1,390.0                | 1,302.9                 | 87.13                     | 15.953            |                    |          |
| 17,000.0                                                                   | 12,650.0              | 15,422.0              | 11,289.5              | 100.5            | 99.9          | -11.82                | -5,460.1                            | 340.2        | 1,389.9                | 1,301.2                 | 88.76                     | 15.659            |                    |          |
| 17,100.0                                                                   | 12,650.0              | 15,525.7              | 11,290.1              | 101.9            | 101.5         | -11.87                | -5,563.9                            | 341.9        | 1,389.6                | 1,299.2                 | 90.40                     | 15.371            |                    |          |
| 17,193.9                                                                   | 12,650.0              | 15,613.1              | 11,290.6              | 103.4            | 102.9         | -11.92                | -5,651.2                            | 343.6        | 1,389.3                | 1,297.5                 | 91.78                     | 15.138            |                    |          |
| 17,200.0                                                                   | 12,650.0              | 15,618.5              | 11,290.7              | 103.4            | 102.9         | -11.92                | -5,656.6                            | 343.7        | 1,389.3                | 1,297.4                 | 91.86                     | 15.124            |                    |          |
| 17,300.0                                                                   | 12,650.0              | 15,743.8              | 11,291.6              | 104.9            | 104.9         | -12.00                | -5,781.8                            | 346.1        | 1,388.9                | 1,295.0                 | 93.94                     | 14.785            |                    |          |
| 17,400.0                                                                   | 12,650.0              | 15,834.5              | 11,293.1              | 106.5            | 106.3         | -12.04                | -5,872.5                            | 347.5        | 1,387.5                | 1,292.1                 | 95.37                     | 14.548            |                    |          |
| 17,500.0                                                                   | 12,650.0              | 15,942.2              | 11,294.7              | 108.0            | 107.9         | -12.08                | -5,980.2                            | 348.7        | 1,386.1                | 1,289.0                 | 97.09                     | 14.277            |                    |          |
| 17,600.0                                                                   | 12,650.0              | 16,036.0              | 11,296.1              | 109.5            | 109.4         | -12.11                | -6,074.0                            | 349.6        | 1,384.7                | 1,286.2                 | 98.55                     | 14.050            |                    |          |
| 17,700.0                                                                   | 12,650.0              | 16,120.7              | 11,296.7              | 111.0            | 110.7         | -12.11                | -6,158.7                            | 350.1        | 1,384.1                | 1,284.3                 | 99.82                     | 13.865            |                    |          |
| 17,800.0                                                                   | 12,650.0              | 16,249.5              | 11,297.9              | 112.5            | 112.7         | -12.06                | -6,287.5                            | 349.3        | 1,382.9                | 1,281.1                 | 101.81                    | 13.584            |                    |          |
| 17,900.0                                                                   | 12,650.0              | 16,353.2              | 11,300.3              | 114.1            | 114.3         | -12.06                | -6,391.2                            | 349.4        | 1,380.5                | 1,277.1                 | 103.42                    | 13.349            |                    |          |
| 18,000.0                                                                   | 12,650.0              | 16,448.0              | 11,302.6              | 115.6            | 115.7         | -12.07                | -6,486.0                            | 349.9        | 1,378.2                | 1,273.3                 | 104.90                    | 13.137            |                    |          |
| 18,100.0                                                                   | 12,650.0              | 16,534.7              | 11,303.8              | 117.1            | 117.1         | -12.04                | -6,572.6                            | 349.4        | 1,376.5                | 1,270.3                 | 106.18                    | 12.964            |                    |          |
| 18,200.0                                                                   | 12,650.0              | 16,619.2              | 11,304.0              | 118.7            | 118.4         | -12.02                | -6,657.1                            | 349.4        | 1,376.1                | 1,268.7                 | 107.43                    | 12.809            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #553H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 29-MWD                                                     |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 18,247.2                                                                   | 12,650.0              | 16,683.5              | 11,304.4              | 119.4            | 119.4         | -12.02                | -6,721.5                            | 349.6        | 1,375.8                | 1,267.4                 | 108.47                    | 12.684             |          |
| 18,300.0                                                                   | 12,650.0              | 16,738.3              | 11,305.2              | 120.2            | 120.3         | -12.02                | -6,776.2                            | 349.8        | 1,375.0                | 1,265.7                 | 109.34                    | 12.576             |          |
| 18,400.0                                                                   | 12,650.0              | 16,831.1              | 11,306.1              | 121.8            | 121.7         | -12.01                | -6,869.0                            | 350.1        | 1,374.0                | 1,263.2                 | 110.77                    | 12.405             |          |
| 18,500.0                                                                   | 12,650.0              | 16,926.8              | 11,306.8              | 123.3            | 123.2         | -12.00                | -6,964.7                            | 350.1        | 1,373.2                | 1,261.0                 | 112.23                    | 12.235             |          |
| 18,564.6                                                                   | 12,650.0              | 16,984.0              | 11,306.9              | 124.3            | 124.1         | -11.99                | -7,021.9                            | 350.3        | 1,373.0                | 1,259.9                 | 113.11                    | 12.139             |          |
| 18,600.0                                                                   | 12,650.0              | 17,017.1              | 11,306.8              | 124.9            | 124.6         | -11.99                | -7,055.0                            | 350.4        | 1,373.1                | 1,259.5                 | 113.62                    | 12.085             |          |
| 18,700.0                                                                   | 12,650.0              | 17,113.2              | 11,306.4              | 126.4            | 126.1         | -11.96                | -7,151.2                            | 350.4        | 1,373.4                | 1,258.3                 | 115.07                    | 11.935             |          |
| 18,800.0                                                                   | 12,650.0              | 17,220.8              | 11,305.9              | 128.0            | 127.8         | -11.94                | -7,258.7                            | 350.8        | 1,373.8                | 1,257.0                 | 116.77                    | 11.765             |          |
| 18,900.0                                                                   | 12,650.0              | 17,325.4              | 11,306.4              | 129.5            | 129.5         | -11.91                | -7,363.4                            | 350.6        | 1,373.1                | 1,254.7                 | 118.38                    | 11.599             |          |
| 19,000.0                                                                   | 12,650.0              | 17,423.6              | 11,306.5              | 131.1            | 131.0         | -11.90                | -7,461.5                            | 351.0        | 1,373.0                | 1,253.1                 | 119.91                    | 11.450             |          |
| 19,100.0                                                                   | 12,650.0              | 17,532.0              | 11,307.1              | 132.6            | 132.7         | -11.88                | -7,569.9                            | 351.0        | 1,372.3                | 1,250.7                 | 121.61                    | 11.284             |          |
| 19,200.0                                                                   | 12,650.0              | 17,640.8              | 11,308.5              | 134.2            | 134.5         | -11.90                | -7,678.7                            | 351.7        | 1,371.1                | 1,247.8                 | 123.38                    | 11.113             |          |
| 19,300.0                                                                   | 12,650.0              | 17,730.5              | 11,309.6              | 135.8            | 135.9         | -11.89                | -7,768.4                            | 351.9        | 1,369.8                | 1,245.0                 | 124.79                    | 10.977             |          |
| 19,400.0                                                                   | 12,650.0              | 17,838.3              | 11,310.5              | 137.3            | 137.6         | -11.89                | -7,876.1                            | 352.3        | 1,369.0                | 1,242.5                 | 126.51                    | 10.821             |          |
| 19,500.0                                                                   | 12,650.0              | 18,010.8              | 11,320.2              | 138.9            | 140.3         | -11.98                | -8,048.3                            | 353.6        | 1,362.4                | 1,233.0                 | 129.43                    | 10.526             |          |
| 19,600.0                                                                   | 12,650.0              | 18,072.6              | 11,323.4              | 140.5            | 141.3         | -11.96                | -8,110.0                            | 352.8        | 1,357.0                | 1,226.6                 | 130.41                    | 10.406             |          |
| 19,700.0                                                                   | 12,650.0              | 18,142.0              | 11,324.3              | 142.1            | 142.4         | -11.91                | -8,179.4                            | 351.9        | 1,355.0                | 1,223.6                 | 131.41                    | 10.311             |          |
| 19,722.1                                                                   | 12,650.0              | 18,142.0              | 11,324.3              | 142.4            | 142.4         | -11.91                | -8,179.4                            | 351.9        | 1,354.8                | 1,223.5                 | 131.38                    | 10.313             |          |
| 19,800.0                                                                   | 12,650.0              | 18,220.6              | 11,323.8              | 143.6            | 143.7         | -11.85                | -8,258.0                            | 351.0        | 1,355.0                | 1,222.5                 | 132.53                    | 10.225             |          |
| 19,830.1                                                                   | 12,650.0              | 18,254.2              | 11,323.8              | 144.1            | 144.2         | -11.83                | -8,291.7                            | 350.7        | 1,355.0                | 1,221.9                 | 133.03                    | 10.185             |          |
| 19,900.0                                                                   | 12,650.0              | 18,306.9              | 11,323.4              | 145.2            | 145.0         | -11.82                | -8,344.3                            | 350.8        | 1,355.3                | 1,221.5                 | 133.82                    | 10.128             |          |
| 20,000.0                                                                   | 12,650.0              | 18,389.9              | 11,322.2              | 146.8            | 146.4         | -11.83                | -8,427.3                            | 351.8        | 1,356.9                | 1,221.8                 | 135.12                    | 10.042             |          |
| 20,100.0                                                                   | 12,650.0              | 18,473.9              | 11,319.9              | 148.4            | 147.7         | -11.84                | -8,511.2                            | 353.0        | 1,359.7                | 1,223.3                 | 136.43                    | 9.966              |          |
| 20,200.0                                                                   | 12,650.0              | 18,572.9              | 11,316.4              | 150.0            | 149.3         | -11.86                | -8,610.2                            | 354.8        | 1,363.5                | 1,225.4                 | 138.06                    | 9.876              |          |
| 20,300.0                                                                   | 12,650.0              | 18,682.9              | 11,313.2              | 151.6            | 151.0         | -11.84                | -8,720.1                            | 355.9        | 1,366.4                | 1,226.6                 | 139.84                    | 9.771              |          |
| 20,400.0                                                                   | 12,650.0              | 18,812.3              | 11,310.8              | 153.2            | 153.1         | -11.85                | -8,849.5                            | 357.3        | 1,368.4                | 1,226.4                 | 142.01                    | 9.636              |          |
| 20,500.0                                                                   | 12,650.0              | 18,894.6              | 11,309.8              | 154.7            | 154.4         | -11.85                | -8,931.8                            | 358.0        | 1,369.6                | 1,226.3                 | 143.30                    | 9.558              |          |
| 20,600.0                                                                   | 12,650.0              | 19,010.1              | 11,308.2              | 156.3            | 156.3         | -11.87                | -9,047.3                            | 359.6        | 1,371.1                | 1,225.9                 | 145.25                    | 9.440              |          |
| 20,700.0                                                                   | 12,650.0              | 19,126.3              | 11,308.2              | 157.9            | 158.1         | -11.89                | -9,163.4                            | 360.8        | 1,371.3                | 1,224.1                 | 147.18                    | 9.317              |          |
| 20,800.0                                                                   | 12,650.0              | 19,233.6              | 11,309.2              | 159.5            | 159.9         | -11.91                | -9,270.8                            | 361.8        | 1,370.3                | 1,221.4                 | 148.98                    | 9.198              |          |
| 20,900.0                                                                   | 12,650.0              | 19,329.0              | 11,310.2              | 161.1            | 161.4         | -11.96                | -9,366.2                            | 363.2        | 1,369.6                | 1,219.0                 | 150.61                    | 9.094              |          |
| 21,000.0                                                                   | 12,650.0              | 19,433.3              | 11,311.1              | 162.7            | 163.1         | -12.01                | -9,470.4                            | 365.0        | 1,368.9                | 1,216.5                 | 152.42                    | 8.981              |          |
| 21,100.0                                                                   | 12,650.0              | 19,533.1              | 11,312.6              | 164.3            | 164.7         | -12.07                | -9,570.2                            | 366.8        | 1,367.7                | 1,213.6                 | 154.17                    | 8.872              |          |
| 21,200.0                                                                   | 12,650.0              | 19,625.7              | 11,313.4              | 165.9            | 166.2         | -12.13                | -9,662.8                            | 368.5        | 1,367.1                | 1,211.3                 | 155.78                    | 8.776              |          |
| 21,300.0                                                                   | 12,650.0              | 19,730.8              | 11,314.1              | 167.5            | 167.9         | -12.18                | -9,767.9                            | 370.3        | 1,366.7                | 1,209.1                 | 157.61                    | 8.671              |          |
| 21,400.0                                                                   | 12,650.0              | 19,839.8              | 11,315.5              | 169.1            | 169.6         | -12.21                | -9,876.9                            | 371.4        | 1,365.5                | 1,206.0                 | 159.46                    | 8.563              |          |
| 21,500.0                                                                   | 12,650.0              | 19,945.5              | 11,317.2              | 170.7            | 171.3         | -12.21                | -9,982.5                            | 371.7        | 1,363.9                | 1,202.7                 | 161.18                    | 8.461              |          |
| 21,600.0                                                                   | 12,650.0              | 20,037.4              | 11,318.8              | 172.3            | 172.8         | -12.22                | -10,074.4                           | 372.3        | 1,362.2                | 1,199.5                 | 162.72                    | 8.372              |          |
| 21,700.0                                                                   | 12,650.0              | 20,142.2              | 11,320.3              | 173.9            | 174.5         | -12.25                | -10,179.2                           | 373.3        | 1,360.9                | 1,196.4                 | 164.50                    | 8.273              |          |
| 21,766.3                                                                   | 12,650.0              | 20,186.6              | 11,320.7              | 175.0            | 175.2         | -12.26                | -10,223.5                           | 373.5        | 1,360.3                | 1,195.0                 | 165.22                    | 8.233              |          |
| 21,800.0                                                                   | 12,650.0              | 20,206.3              | 11,320.7              | 175.5            | 175.5         | -12.26                | -10,243.3                           | 373.8        | 1,360.4                | 1,194.9                 | 165.53                    | 8.219              |          |
| 21,900.0                                                                   | 12,650.0              | 20,297.7              | 11,318.9              | 177.1            | 177.0         | -12.31                | -10,334.6                           | 376.0        | 1,362.6                | 1,195.5                 | 167.13                    | 8.153              |          |
| 22,000.0                                                                   | 12,650.0              | 20,390.9              | 11,318.5              | 178.7            | 178.5         | -12.42                | -10,427.8                           | 379.3        | 1,363.7                | 1,194.8                 | 168.89                    | 8.075              |          |
| 22,100.0                                                                   | 12,650.0              | 20,467.3              | 11,315.8              | 180.3            | 179.8         | -12.42                | -10,504.1                           | 380.3        | 1,367.1                | 1,197.1                 | 170.06                    | 8.039              |          |
| 22,200.0                                                                   | 12,650.0              | 20,620.0              | 11,312.9              | 182.0            | 182.2         | -12.48                | -10,656.8                           | 383.4        | 1,369.5                | 1,196.6                 | 172.84                    | 7.923              |          |
| 22,300.0                                                                   | 12,650.0              | 20,721.0              | 11,313.3              | 183.6            | 183.9         | -12.52                | -10,757.8                           | 384.9        | 1,369.3                | 1,194.7                 | 174.60                    | 7.842              |          |
| 22,400.0                                                                   | 12,650.0              | 20,837.0              | 11,313.9              | 185.2            | 185.7         | -12.50                | -10,873.7                           | 385.1        | 1,368.7                | 1,192.2                 | 176.48                    | 7.756              |          |
| 22,500.0                                                                   | 12,650.0              | 20,938.6              | 11,314.7              | 186.8            | 187.4         | -12.42                | -10,975.3                           | 383.5        | 1,367.4                | 1,189.5                 | 177.96                    | 7.684              |          |
| 22,600.0                                                                   | 12,650.0              | 21,032.0              | 11,315.4              | 188.4            | 188.9         | -12.36                | -11,068.7                           | 382.4        | 1,366.3                | 1,187.0                 | 179.34                    | 7.619              |          |
| 22,700.0                                                                   | 12,650.0              | 21,125.6              | 11,315.7              | 190.0            | 190.4         | -12.33                | -11,162.3                           | 382.2        | 1,365.8                | 1,185.0                 | 180.81                    | 7.554              |          |
| 22,800.0                                                                   | 12,650.0              | 21,228.4              | 11,316.1              | 191.6            | 192.1         | -12.27                | -11,265.1                           | 381.3        | 1,365.1                | 1,182.8                 | 182.37                    | 7.486              |          |
| 22,884.1                                                                   | 12,650.0              | 21,305.3              | 11,316.0              | 193.0            | 193.3         | -12.22                | -11,342.0                           | 380.6        | 1,365.0                | 1,181.5                 | 183.51                    | 7.438              |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

|                    |                            |                              |                                 |
|--------------------|----------------------------|------------------------------|---------------------------------|
| Company:           | Matador Production Company | Local Co-ordinate Reference: | Well Blue Chip 14 Fed Com #704H |
| Project:           | Ranger/Arrowhead           | TVD Reference:               | KB @ 3887.5usft                 |
| Reference Site:    | Blue Chip                  | MD Reference:                | KB @ 3887.5usft                 |
| Site Error:        | 0.0 usft                   | North Reference:             | Grid                            |
| Reference Well:    | Blue Chip 14 Fed Com #704H | Survey Calculation Method:   | Minimum Curvature               |
| Well Error:        | 0.0 usft                   | Output errors are at         | 2.00 sigma                      |
| Reference Wellbore | Wellbore #1                | Database:                    | EDM 5000.14 Single User Db      |
| Reference Design:  | BLM Plan #1                | Offset TVD Reference:        | Offset Datum                    |

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #601H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 29-MWD                                                     |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 0.0                                                                        | 0.0                   | 0.0                   | 0.0                   | 0.0              | 0.0           | 86.60                 | 111.4                               | 1,873.7      | 1,877.0                |                         |                           |                    |          |
| 100.0                                                                      | 100.0                 | 99.1                  | 99.1                  | 0.1              | 0.2           | 86.60                 | 111.3                               | 1,873.6      | 1,876.9                | 1,876.6                 | 0.38                      | 5,000.443          |          |
| 200.0                                                                      | 200.0                 | 198.2                 | 198.2                 | 0.5              | 0.6           | 86.63                 | 110.4                               | 1,873.3      | 1,876.6                | 1,875.5                 | 1.08                      | 1,736.335          |          |
| 238.1                                                                      | 238.1                 | 232.2                 | 232.1                 | 0.6              | 0.7           | 86.64                 | 110.0                               | 1,873.3      | 1,876.5                | 1,875.2                 | 1.34                      | 1,403.610          |          |
| 300.0                                                                      | 300.0                 | 287.4                 | 287.4                 | 0.8              | 0.9           | 86.66                 | 109.3                               | 1,873.4      | 1,876.6                | 1,874.9                 | 1.75                      | 1,069.562          |          |
| 400.0                                                                      | 400.0                 | 383.7                 | 383.7                 | 1.2              | 1.3           | 86.69                 | 108.3                               | 1,874.0      | 1,877.2                | 1,874.7                 | 2.46                      | 764.467            |          |
| 500.0                                                                      | 500.0                 | 501.6                 | 501.6                 | 1.6              | 1.7           | 86.73                 | 107.1                               | 1,874.3      | 1,877.4                | 1,874.1                 | 3.23                      | 580.485            |          |
| 600.0                                                                      | 600.0                 | 604.4                 | 604.4                 | 1.9              | 2.0           | 86.76                 | 106.2                               | 1,873.7      | 1,876.8                | 1,872.8                 | 3.96                      | 474.257            |          |
| 654.4                                                                      | 654.4                 | 648.5                 | 648.4                 | 2.1              | 2.2           | 86.76                 | 106.0                               | 1,873.6      | 1,876.6                | 1,872.3                 | 4.31                      | 435.694            |          |
| 700.0                                                                      | 700.0                 | 688.9                 | 688.8                 | 2.3              | 2.3           | 86.77                 | 105.9                               | 1,873.7      | 1,876.7                | 1,872.1                 | 4.61                      | 406.882            |          |
| 800.0                                                                      | 800.0                 | 806.8                 | 806.8                 | 2.6              | 2.7           | 86.77                 | 105.7                               | 1,873.2      | 1,876.3                | 1,870.9                 | 5.38                      | 348.736            |          |
| 900.0                                                                      | 900.0                 | 908.2                 | 908.2                 | 3.0              | 3.1           | 86.75                 | 106.4                               | 1,872.6      | 1,875.7                | 1,869.6                 | 6.09                      | 308.226            |          |
| 1,000.0                                                                    | 1,000.0               | 1,007.7               | 1,007.6               | 3.4              | 3.4           | 86.70                 | 107.9                               | 1,871.6      | 1,874.8                | 1,868.0                 | 6.78                      | 276.350            |          |
| 1,100.0                                                                    | 1,100.0               | 1,095.6               | 1,095.5               | 3.7              | 3.7           | 86.66                 | 109.1                               | 1,871.2      | 1,874.4                | 1,866.9                 | 7.45                      | 251.760            |          |
| 1,110.9                                                                    | 1,110.9               | 1,105.0               | 1,104.9               | 3.8              | 3.8           | 86.66                 | 109.2                               | 1,871.2      | 1,874.4                | 1,866.8                 | 7.52                      | 249.372            |          |
| 1,200.0                                                                    | 1,200.0               | 1,194.2               | 1,194.2               | 4.1              | 4.1           | 86.64                 | 110.0                               | 1,871.2      | 1,874.4                | 1,866.3                 | 8.14                      | 230.150            |          |
| 1,300.0                                                                    | 1,300.0               | 1,314.3               | 1,314.2               | 4.4              | 4.5           | 86.63                 | 110.0                               | 1,870.6      | 1,874.0                | 1,865.0                 | 8.92                      | 210.024            |          |
| 1,400.0                                                                    | 1,400.0               | 1,408.7               | 1,408.7               | 4.8              | 4.8           | 86.63                 | 110.2                               | 1,869.9      | 1,873.2                | 1,863.6                 | 9.61                      | 194.850            |          |
| 1,500.0                                                                    | 1,500.0               | 1,511.9               | 1,511.8               | 5.1              | 5.2           | 86.61                 | 110.6                               | 1,868.6      | 1,872.0                | 1,861.7                 | 10.33                     | 181.137            |          |
| 1,565.8                                                                    | 1,565.8               | 1,559.9               | 1,559.8               | 5.4              | 5.4           | 86.61                 | 110.8                               | 1,868.4      | 1,871.7                | 1,860.9                 | 10.74                     | 174.288            |          |
| 1,600.0                                                                    | 1,600.0               | 1,593.3               | 1,593.2               | 5.5              | 5.5           | 86.60                 | 111.0                               | 1,868.4      | 1,871.7                | 1,860.7                 | 10.98                     | 170.494            |          |
| 1,700.0                                                                    | 1,700.0               | 1,695.4               | 1,695.3               | 5.9              | 5.8           | 86.59                 | 111.5                               | 1,868.3      | 1,871.6                | 1,859.9                 | 11.69                     | 160.047            |          |
| 1,715.7                                                                    | 1,715.7               | 1,709.7               | 1,709.7               | 5.9              | 5.9           | 86.58                 | 111.6                               | 1,868.3      | 1,871.6                | 1,859.8                 | 11.80                     | 158.601            |          |
| 1,800.0                                                                    | 1,800.0               | 1,785.1               | 1,785.0               | 6.2              | 6.1           | 86.57                 | 112.0                               | 1,868.4      | 1,871.8                | 1,859.4                 | 12.37                     | 151.372            |          |
| 1,900.0                                                                    | 1,900.0               | 1,901.8               | 1,901.8               | 6.6              | 6.5           | 86.57                 | 111.9                               | 1,868.6      | 1,872.0                | 1,858.9                 | 13.13                     | 142.584            |          |
| 2,000.0                                                                    | 2,000.0               | 2,054.2               | 2,054.1               | 6.9              | 7.1           | 86.68                 | 108.2                               | 1,865.8      | 1,869.9                | 1,855.9                 | 14.02                     | 133.419            |          |
| 2,100.0                                                                    | 2,100.0               | 2,154.5               | 2,154.2               | 7.3              | 7.4           | 86.78                 | 104.9                               | 1,862.7      | 1,866.6                | 1,851.9                 | 14.73                     | 126.748            |          |
| 2,200.0                                                                    | 2,200.0               | 2,271.2               | 2,270.8               | 7.7              | 7.9           | 86.90                 | 100.6                               | 1,858.8      | 1,863.1                | 1,847.6                 | 15.49                     | 120.247            |          |
| 2,300.0                                                                    | 2,300.0               | 2,417.5               | 2,416.6               | 8.0              | 8.4           | 87.15                 | 92.1                                | 1,850.9      | 1,857.3                | 1,840.9                 | 16.35                     | 113.561            |          |
| 2,400.0                                                                    | 2,400.0               | 2,516.3               | 2,515.0               | 8.4              | 8.7           | 87.35                 | 85.3                                | 1,844.6      | 1,850.6                | 1,833.5                 | 17.07                     | 108.431            |          |
| 2,500.0                                                                    | 2,500.0               | 2,607.6               | 2,606.0               | 8.7              | 9.1           | 87.53                 | 79.3                                | 1,839.1      | 1,844.2                | 1,826.5                 | 17.76                     | 103.861            |          |
| 2,600.0                                                                    | 2,600.0               | 2,697.7               | 2,695.7               | 9.1              | 9.4           | 87.71                 | 73.5                                | 1,834.1      | 1,838.4                | 1,820.0                 | 18.44                     | 99.676             |          |
| 2,700.0                                                                    | 2,700.0               | 2,789.6               | 2,787.3               | 9.4              | 9.7           | 87.87                 | 67.9                                | 1,829.5      | 1,833.2                | 1,814.0                 | 19.14                     | 95.790             |          |
| 2,800.0                                                                    | 2,800.0               | 2,879.4               | 2,876.8               | 9.8              | 10.1          | 88.03                 | 62.9                                | 1,825.3      | 1,828.3                | 1,808.5                 | 19.82                     | 92.226             |          |
| 2,900.0                                                                    | 2,900.0               | 2,968.2               | 2,965.4               | 10.2             | 10.4          | 88.17                 | 58.2                                | 1,821.8      | 1,824.1                | 1,803.6                 | 20.51                     | 88.949             |          |
| 3,000.0                                                                    | 3,000.0               | 3,067.3               | 3,064.4               | 10.5             | 10.7          | 88.33                 | 53.0                                | 1,818.2      | 1,820.3                | 1,799.1                 | 21.23                     | 85.764             |          |
| 3,100.0                                                                    | 3,100.0               | 3,164.4               | 3,161.1               | 10.9             | 11.1          | 88.54                 | 46.1                                | 1,814.6      | 1,816.4                | 1,794.5                 | 21.94                     | 82.797             |          |
| 3,200.0                                                                    | 3,200.0               | 3,254.2               | 3,250.7               | 11.2             | 11.4          | 88.74                 | 39.7                                | 1,811.7      | 1,813.0                | 1,790.4                 | 22.63                     | 80.126             |          |
| 3,300.0                                                                    | 3,300.0               | 3,406.1               | 3,402.2               | 11.6             | 12.0          | 89.05                 | 30.1                                | 1,805.9      | 1,809.4                | 1,785.9                 | 23.52                     | 76.934             |          |
| 3,400.0                                                                    | 3,400.0               | 3,499.4               | 3,495.1               | 12.0             | 12.3          | 89.23                 | 24.1                                | 1,800.7      | 1,803.6                | 1,779.4                 | 24.22                     | 74.458             |          |
| 3,500.0                                                                    | 3,500.0               | 3,584.0               | 3,579.5               | 12.3             | 12.7          | 89.40                 | 18.8                                | 1,796.3      | 1,798.5                | 1,773.6                 | 24.90                     | 72.225             |          |
| 3,600.0                                                                    | 3,600.0               | 3,667.8               | 3,663.1               | 12.7             | 13.0          | 89.56                 | 13.9                                | 1,792.8      | 1,794.2                | 1,768.6                 | 25.57                     | 70.158             |          |
| 3,700.0                                                                    | 3,700.0               | 3,769.0               | 3,764.0               | 13.0             | 13.3          | 89.74                 | 8.2                                 | 1,789.0      | 1,790.4                | 1,764.1                 | 26.30                     | 68.068             |          |
| 3,800.0                                                                    | 3,800.0               | 3,858.3               | 3,853.1               | 13.4             | 13.7          | 89.89                 | 3.4                                 | 1,785.7      | 1,786.7                | 1,759.7                 | 26.99                     | 66.193             |          |
| 3,900.0                                                                    | 3,900.0               | 3,952.7               | 3,947.4               | 13.7             | 14.0          | 0.05                  | -1.5                                | 1,782.8      | 1,781.9                | 1,754.2                 | 27.69                     | 64.354             |          |
| 4,000.0                                                                    | 3,999.8               | 4,055.8               | 4,050.2               | 14.1             | 14.4          | 0.23                  | -7.1                                | 1,779.6      | 1,773.6                | 1,745.2                 | 28.41                     | 62.437             |          |
| 4,100.0                                                                    | 4,099.6               | 4,164.5               | 4,158.7               | 14.4             | 14.8          | 0.42                  | -12.7                               | 1,775.9      | 1,763.2                | 1,734.1                 | 29.14                     | 60.506             |          |
| 4,200.0                                                                    | 4,199.4               | 4,255.7               | 4,249.7               | 14.8             | 15.1          | 0.55                  | -16.9                               | 1,772.8      | 1,752.8                | 1,723.0                 | 29.82                     | 58.783             |          |
| 4,300.0                                                                    | 4,299.1               | 4,340.4               | 4,334.3               | 15.1             | 15.4          | 0.68                  | -20.7                               | 1,770.2      | 1,743.0                | 1,712.5                 | 30.47                     | 57.195             |          |
| 4,400.0                                                                    | 4,398.9               | 4,419.0               | 4,412.8               | 15.5             | 15.7          | 0.81                  | -24.5                               | 1,768.8      | 1,734.2                | 1,703.1                 | 31.11                     | 55.752             |          |
| 4,500.0                                                                    | 4,498.6               | 4,510.1               | 4,503.9               | 15.8             | 16.1          | 0.96                  | -28.7                               | 1,768.0      | 1,726.4                | 1,694.7                 | 31.78                     | 54.322             |          |
| 4,600.0                                                                    | 4,598.5               | 4,605.5               | 4,599.1               | 16.2             | 16.4          | 1.10                  | -33.0                               | 1,767.4      | 1,720.2                | 1,687.7                 | 32.47                     | 52.976             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #601H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 29-MWD                                                     |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 4,700.0                                                                    | 4,698.4               | 4,706.2               | 4,699.7               | 16.5             | 16.8          | 1.26                  | -37.7                               | 1,767.0      | 1,716.8                | 1,683.6                 | 33.18                     | 51.739             |          |
| 4,766.7                                                                    | 4,765.1               | 4,774.4               | 4,767.9               | 16.8             | 17.0          | 91.36                 | -40.8                               | 1,766.6      | 1,715.9                | 1,682.2                 | 33.66                     | 50.970             |          |
| 4,800.0                                                                    | 4,798.4               | 4,807.4               | 4,800.8               | 16.9             | 17.1          | 91.41                 | -42.3                               | 1,766.3      | 1,715.7                | 1,681.8                 | 33.90                     | 50.606             |          |
| 4,900.0                                                                    | 4,898.4               | 4,904.2               | 4,897.5               | 17.2             | 17.5          | 91.56                 | -46.7                               | 1,765.8      | 1,715.3                | 1,680.7                 | 34.61                     | 49.557             |          |
| 5,000.0                                                                    | 4,998.4               | 5,005.1               | 4,998.3               | 17.6             | 17.9          | 91.71                 | -51.2                               | 1,765.4      | 1,715.0                | 1,679.7                 | 35.34                     | 48.533             |          |
| 5,100.0                                                                    | 5,098.4               | 5,100.9               | 5,094.0               | 17.9             | 18.2          | 91.85                 | -55.4                               | 1,765.1      | 1,714.8                | 1,678.8                 | 36.04                     | 47.577             |          |
| 5,187.0                                                                    | 5,185.4               | 5,186.5               | 5,179.5               | 18.3             | 18.5          | 91.97                 | -59.0                               | 1,764.9      | 1,714.8                | 1,678.1                 | 36.66                     | 46.770             |          |
| 5,200.0                                                                    | 5,198.4               | 5,198.7               | 5,191.7               | 18.3             | 18.6          | 91.99                 | -59.5                               | 1,764.9      | 1,714.8                | 1,678.0                 | 36.75                     | 46.655             |          |
| 5,300.0                                                                    | 5,298.4               | 5,298.5               | 5,291.5               | 18.7             | 18.9          | 92.12                 | -63.5                               | 1,764.9      | 1,714.9                | 1,677.4                 | 37.47                     | 45.763             |          |
| 5,400.0                                                                    | 5,398.4               | 5,403.8               | 5,396.7               | 19.0             | 19.3          | 92.26                 | -67.6                               | 1,764.6      | 1,714.7                | 1,676.5                 | 38.21                     | 44.874             |          |
| 5,500.0                                                                    | 5,498.4               | 5,503.3               | 5,496.1               | 19.4             | 19.6          | 92.39                 | -71.4                               | 1,764.2      | 1,714.5                | 1,675.6                 | 38.93                     | 44.041             |          |
| 5,600.0                                                                    | 5,598.4               | 5,612.2               | 5,604.9               | 19.7             | 20.0          | 92.52                 | -75.3                               | 1,763.6      | 1,714.2                | 1,674.5                 | 39.68                     | 43.197             |          |
| 5,700.0                                                                    | 5,698.4               | 5,700.0               | 5,655.4               | 20.1             | 20.4          | 93.19                 | -94.6                               | 1,749.0      | 1,708.2                | 1,668.0                 | 40.19                     | 42.501             |          |
| 5,766.7                                                                    | 5,765.1               | 5,965.0               | 5,954.7               | 20.3             | 21.4          | 93.65                 | -107.6                              | 1,737.0      | 1,700.5                | 1,659.2                 | 41.38                     | 41.097             |          |
| 5,800.0                                                                    | 5,798.4               | 6,001.8               | 5,991.0               | 20.4             | 21.6          | -84.58                | -112.5                              | 1,732.4      | 1,696.7                | 1,655.0                 | 41.63                     | 40.757             |          |
| 5,900.0                                                                    | 5,898.4               | 6,115.3               | 6,102.5               | 20.8             | 22.0          | -84.41                | -127.0                              | 1,717.7      | 1,684.2                | 1,641.9                 | 42.36                     | 39.755             |          |
| 6,000.0                                                                    | 5,998.1               | 6,213.0               | 6,198.4               | 21.1             | 22.4          | -84.39                | -140.5                              | 1,704.5      | 1,671.0                | 1,627.9                 | 43.09                     | 38.783             |          |
| 6,100.0                                                                    | 6,097.7               | 6,304.4               | 6,287.8               | 21.4             | 22.8          | -84.41                | -155.4                              | 1,692.4      | 1,658.0                | 1,614.1                 | 43.81                     | 37.845             |          |
| 6,200.0                                                                    | 6,196.8               | 6,404.8               | 6,385.6               | 21.8             | 23.2          | -84.47                | -173.9                              | 1,679.3      | 1,644.8                | 1,600.3                 | 44.55                     | 36.920             |          |
| 6,229.5                                                                    | 6,225.9               | 6,436.9               | 6,416.8               | 21.8             | 23.4          | -84.50                | -179.8                              | 1,675.0      | 1,640.8                | 1,596.0                 | 44.77                     | 36.646             |          |
| 6,300.0                                                                    | 6,295.5               | 6,507.0               | 6,485.1               | 22.1             | 23.7          | -84.41                | -192.7                              | 1,665.5      | 1,631.1                | 1,585.8                 | 45.30                     | 36.005             |          |
| 6,400.0                                                                    | 6,394.2               | 6,657.2               | 6,630.4               | 22.4             | 24.4          | -84.11                | -223.3                              | 1,643.4      | 1,616.5                | 1,570.4                 | 46.11                     | 35.055             |          |
| 6,500.0                                                                    | 6,492.9               | 6,744.4               | 6,714.3               | 22.7             | 24.8          | -83.88                | -242.4                              | 1,629.3      | 1,600.3                | 1,553.4                 | 46.88                     | 34.134             |          |
| 6,600.0                                                                    | 6,591.6               | 6,833.0               | 6,799.7               | 23.1             | 25.2          | -83.65                | -261.6                              | 1,615.3      | 1,584.5                | 1,536.8                 | 47.66                     | 33.249             |          |
| 6,700.0                                                                    | 6,690.3               | 6,931.2               | 6,894.4               | 23.4             | 25.6          | -83.40                | -282.6                              | 1,600.1      | 1,569.1                | 1,520.6                 | 48.44                     | 32.389             |          |
| 6,800.0                                                                    | 6,789.0               | 7,020.0               | 6,980.1               | 23.8             | 26.0          | -83.18                | -301.3                              | 1,586.7      | 1,554.0                | 1,504.7                 | 49.23                     | 31.568             |          |
| 6,900.0                                                                    | 6,887.7               | 7,102.8               | 7,060.5               | 24.1             | 26.4          | -83.01                | -317.8                              | 1,574.9      | 1,539.7                | 1,489.7                 | 50.00                     | 30.794             |          |
| 7,000.0                                                                    | 6,986.4               | 7,201.2               | 7,156.2               | 24.5             | 26.9          | -82.85                | -336.5                              | 1,561.6      | 1,526.1                | 1,475.3                 | 50.79                     | 30.045             |          |
| 7,100.0                                                                    | 7,085.1               | 7,327.2               | 7,278.5               | 24.8             | 27.5          | -82.64                | -360.3                              | 1,543.6      | 1,511.6                | 1,460.0                 | 51.62                     | 29.284             |          |
| 7,200.0                                                                    | 7,183.8               | 7,438.5               | 7,386.2               | 25.2             | 28.0          | -82.40                | -382.1                              | 1,525.8      | 1,495.7                | 1,443.2                 | 52.44                     | 28.523             |          |
| 7,300.0                                                                    | 7,282.5               | 7,529.2               | 7,473.7               | 25.6             | 28.4          | -82.18                | -400.7                              | 1,511.1      | 1,479.6                | 1,426.3                 | 53.25                     | 27.785             |          |
| 7,400.0                                                                    | 7,381.2               | 7,614.7               | 7,556.6               | 25.9             | 28.8          | -81.99                | -417.5                              | 1,498.2      | 1,464.4                | 1,410.4                 | 54.06                     | 27.089             |          |
| 7,500.0                                                                    | 7,479.8               | 7,715.9               | 7,654.7               | 26.3             | 29.3          | -81.79                | -436.9                              | 1,483.0      | 1,449.4                | 1,394.5                 | 54.88                     | 26.409             |          |
| 7,600.0                                                                    | 7,578.5               | 7,801.6               | 7,738.1               | 26.7             | 29.7          | -81.64                | -452.7                              | 1,470.6      | 1,434.9                | 1,379.2                 | 55.69                     | 25.766             |          |
| 7,700.0                                                                    | 7,677.2               | 7,888.7               | 7,823.0               | 27.0             | 30.1          | -81.53                | -468.0                              | 1,458.9      | 1,421.3                | 1,364.8                 | 56.50                     | 25.157             |          |
| 7,800.0                                                                    | 7,775.9               | 7,971.1               | 7,903.6               | 27.4             | 30.5          | -81.45                | -481.7                              | 1,448.8      | 1,408.7                | 1,351.4                 | 57.29                     | 24.590             |          |
| 7,900.0                                                                    | 7,874.6               | 8,134.5               | 8,062.4               | 27.8             | 31.3          | -81.18                | -511.2                              | 1,424.2      | 1,393.0                | 1,334.8                 | 58.17                     | 23.947             |          |
| 8,000.0                                                                    | 7,973.3               | 8,247.4               | 8,171.3               | 28.2             | 31.9          | -80.86                | -533.9                              | 1,404.9      | 1,376.1                | 1,317.1                 | 59.02                     | 23.317             |          |
| 8,100.0                                                                    | 8,072.0               | 8,328.7               | 8,249.3               | 28.6             | 32.3          | -80.57                | -551.8                              | 1,390.6      | 1,359.0                | 1,299.1                 | 59.88                     | 22.694             |          |
| 8,200.0                                                                    | 8,170.7               | 8,428.8               | 8,345.9               | 28.9             | 32.8          | -80.26                | -572.4                              | 1,374.2      | 1,343.0                | 1,282.2                 | 60.75                     | 22.108             |          |
| 8,300.0                                                                    | 8,269.4               | 8,560.6               | 8,472.6               | 29.3             | 33.5          | -79.81                | -599.9                              | 1,350.3      | 1,325.3                | 1,263.7                 | 61.60                     | 21.513             |          |
| 8,400.0                                                                    | 8,368.1               | 8,643.0               | 8,551.6               | 29.7             | 33.9          | -79.52                | -617.2                              | 1,334.9      | 1,307.0                | 1,244.5                 | 62.49                     | 20.915             |          |
| 8,500.0                                                                    | 8,466.8               | 8,723.3               | 8,629.0               | 30.1             | 34.3          | -79.25                | -633.7                              | 1,320.9      | 1,290.0                | 1,226.7                 | 63.37                     | 20.356             |          |
| 8,600.0                                                                    | 8,565.5               | 8,808.5               | 8,711.3               | 30.5             | 34.7          | -78.98                | -650.8                              | 1,307.2      | 1,274.4                | 1,210.2                 | 64.25                     | 19.836             |          |
| 8,700.0                                                                    | 8,664.2               | 8,891.1               | 8,791.6               | 30.9             | 35.1          | -78.78                | -666.2                              | 1,295.0      | 1,259.9                | 1,194.8                 | 65.10                     | 19.352             |          |
| 8,800.0                                                                    | 8,762.9               | 9,000.9               | 8,898.6               | 31.3             | 35.7          | -78.58                | -685.5                              | 1,279.8      | 1,246.1                | 1,180.1                 | 65.97                     | 18.890             |          |
| 8,900.0                                                                    | 8,861.6               | 9,102.1               | 8,996.7               | 31.7             | 36.2          | -78.30                | -704.8                              | 1,264.4      | 1,231.1                | 1,164.2                 | 66.84                     | 18.419             |          |
| 9,000.0                                                                    | 8,960.3               | 9,179.7               | 9,072.0               | 32.1             | 36.5          | -78.10                | -719.3                              | 1,253.2      | 1,217.0                | 1,149.3                 | 67.70                     | 17.976             |          |
| 9,100.0                                                                    | 9,059.0               | 9,267.9               | 9,158.5               | 32.5             | 37.0          | -78.01                | -733.4                              | 1,242.5      | 1,204.5                | 1,136.0                 | 68.54                     | 17.575             |          |
| 9,200.0                                                                    | 9,157.7               | 9,388.8               | 9,277.1               | 32.9             | 37.5          | -77.94                | -751.2                              | 1,227.6      | 1,191.7                | 1,122.4                 | 69.39                     | 17.176             |          |
| 9,300.0                                                                    | 9,256.4               | 9,473.5               | 9,360.0               | 33.3             | 37.9          | -77.86                | -764.3                              | 1,216.2      | 1,178.1                | 1,107.9                 | 70.23                     | 16.775             |          |
| 9,400.0                                                                    | 9,355.1               | 9,568.8               | 9,453.5               | 33.7             | 38.4          | -77.78                | -778.8                              | 1,204.8      | 1,165.7                | 1,094.6                 | 71.07                     | 16.401             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #601H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 29-MWD                                                     |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 9,500.0                                                                    | 9,453.8               | 9,673.9               | 9,556.3               | 34.1             | 38.9          | -77.62                | -796.3                              | 1,191.5      | 1,152.9                | 1,081.0                 | 71.94                     | 16.027             |          |
| 9,600.0                                                                    | 9,552.5               | 9,796.6               | 9,675.6               | 34.5             | 39.5          | -77.29                | -819.0                              | 1,173.8      | 1,138.7                | 1,065.9                 | 72.82                     | 15.638             |          |
| 9,700.0                                                                    | 9,651.2               | 9,875.0               | 9,752.1               | 34.9             | 39.9          | -77.15                | -832.0                              | 1,162.8      | 1,124.6                | 1,050.9                 | 73.69                     | 15.261             |          |
| 9,800.0                                                                    | 9,749.9               | 9,965.7               | 9,841.0               | 35.3             | 40.3          | -77.07                | -845.7                              | 1,151.5      | 1,111.8                | 1,037.2                 | 74.54                     | 14.914             |          |
| 9,900.0                                                                    | 9,848.6               | 10,045.8              | 9,919.6               | 35.7             | 40.7          | -76.99                | -858.2                              | 1,142.4      | 1,100.1                | 1,024.8                 | 75.38                     | 14.594             |          |
| 10,000.0                                                                   | 9,947.3               | 10,133.5              | 10,006.0              | 36.1             | 41.0          | -76.97                | -871.0                              | 1,134.1      | 1,090.0                | 1,013.8                 | 76.21                     | 14.304             |          |
| 10,100.0                                                                   | 10,046.0              | 10,234.7              | 10,105.9              | 36.5             | 41.5          | -77.04                | -884.0                              | 1,125.3      | 1,080.4                | 1,003.4                 | 77.03                     | 14.026             |          |
| 10,200.0                                                                   | 10,144.7              | 10,378.5              | 10,248.6              | 36.9             | 42.1          | -77.51                | -895.0                              | 1,110.6      | 1,068.2                | 990.4                   | 77.80                     | 13.730             |          |
| 10,300.0                                                                   | 10,243.4              | 10,459.0              | 10,328.5              | 37.3             | 42.4          | -77.94                | -898.2                              | 1,102.2      | 1,055.2                | 976.6                   | 78.57                     | 13.430             |          |
| 10,400.0                                                                   | 10,342.1              | 10,537.8              | 10,407.0              | 37.7             | 42.7          | -78.45                | -900.2                              | 1,095.6      | 1,044.1                | 964.8                   | 79.30                     | 13.166             |          |
| 10,500.0                                                                   | 10,440.8              | 10,608.0              | 10,477.1              | 38.1             | 42.9          | -78.97                | -901.2                              | 1,091.5      | 1,035.3                | 955.3                   | 79.98                     | 12.944             |          |
| 10,600.0                                                                   | 10,539.5              | 10,690.3              | 10,559.4              | 38.5             | 43.2          | -79.61                | -902.4                              | 1,088.8      | 1,029.2                | 948.6                   | 80.65                     | 12.762             |          |
| 10,700.0                                                                   | 10,638.2              | 10,784.6              | 10,653.6              | 39.0             | 43.5          | -80.37                | -903.4                              | 1,086.5      | 1,024.1                | 942.8                   | 81.33                     | 12.593             |          |
| 10,800.0                                                                   | 10,736.9              | 10,882.7              | 10,751.7              | 39.4             | 43.8          | -81.20                | -903.8                              | 1,084.5      | 1,019.5                | 937.5                   | 82.01                     | 12.431             |          |
| 10,900.0                                                                   | 10,835.6              | 10,980.0              | 10,848.9              | 39.8             | 44.1          | -82.01                | -904.8                              | 1,082.3      | 1,015.0                | 932.3                   | 82.70                     | 12.274             |          |
| 11,000.0                                                                   | 10,934.3              | 11,073.2              | 10,942.2              | 40.2             | 44.4          | -82.79                | -905.6                              | 1,080.7      | 1,011.2                | 927.8                   | 83.37                     | 12.129             |          |
| 11,100.0                                                                   | 11,033.0              | 11,154.4              | 11,023.3              | 40.6             | 44.7          | -83.35                | -908.7                              | 1,079.8      | 1,008.5                | 924.5                   | 84.01                     | 12.004             |          |
| 11,159.8                                                                   | 11,092.0              | 11,199.0              | 11,067.3              | 40.9             | 44.9          | -83.39                | -915.2                              | 1,079.7      | 1,008.0                | 923.6                   | 84.38                     | 11.946 CC          |          |
| 11,200.0                                                                   | 11,131.7              | 11,227.4              | 11,095.0              | 41.0             | 45.0          | -83.28                | -921.7                              | 1,079.8      | 1,008.2                | 923.6                   | 84.65                     | 11.910 ES          |          |
| 11,300.0                                                                   | 11,230.4              | 11,295.0              | 11,158.2              | 41.4             | 45.4          | -82.53                | -945.4                              | 1,080.7      | 1,011.0                | 925.8                   | 85.26                     | 11.859             |          |
| 11,400.0                                                                   | 11,329.1              | 11,392.1              | 11,241.9              | 41.9             | 45.9          | -80.57                | -994.4                              | 1,081.4      | 1,015.9                | 929.6                   | 86.29                     | 11.774             |          |
| 11,500.0                                                                   | 11,427.8              | 11,493.0              | 11,321.8              | 42.3             | 46.6          | -77.89                | -1,055.8                            | 1,079.4      | 1,021.8                | 934.4                   | 87.40                     | 11.690             |          |
| 11,535.3                                                                   | 11,462.6              | 11,512.9              | 11,336.8              | 42.4             | 46.7          | -77.30                | -1,069.1                            | 1,078.8      | 1,024.4                | 936.9                   | 87.55                     | 11.701             |          |
| 11,600.0                                                                   | 11,526.5              | 11,551.7              | 11,364.7              | 42.7             | 47.0          | -76.16                | -1,095.9                            | 1,077.6      | 1,030.9                | 943.1                   | 87.77                     | 11.746             |          |
| 11,700.0                                                                   | 11,625.7              | 11,599.8              | 11,397.4              | 43.1             | 47.3          | -74.69                | -1,131.2                            | 1,076.3      | 1,045.8                | 958.1                   | 87.68                     | 11.928             |          |
| 11,800.0                                                                   | 11,725.1              | 11,637.9              | 11,422.1              | 43.5             | 47.6          | -73.59                | -1,160.2                            | 1,076.1      | 1,067.7                | 980.6                   | 87.08                     | 12.261             |          |
| 11,900.0                                                                   | 11,824.8              | 11,675.0              | 11,445.1              | 43.9             | 47.9          | -72.58                | -1,189.3                            | 1,076.7      | 1,096.6                | 1,010.5                 | 86.18                     | 12.725             |          |
| 12,000.0                                                                   | 11,924.7              | 11,714.0              | 11,468.1              | 44.2             | 48.1          | -71.54                | -1,220.8                            | 1,077.7      | 1,132.2                | 1,047.1                 | 85.12                     | 13.301             |          |
| 12,100.0                                                                   | 12,024.6              | 11,750.8              | 11,488.6              | 44.6             | 48.4          | -70.64                | -1,251.3                            | 1,078.7      | 1,173.9                | 1,090.1                 | 83.85                     | 14.001             |          |
| 12,152.4                                                                   | 12,077.0              | 11,770.0              | 11,498.8              | 44.7             | 48.6          | 108.12                | -1,267.5                            | 1,079.1      | 1,198.2                | 1,115.0                 | 83.14                     | 14.412             |          |
| 12,200.0                                                                   | 12,124.6              | 11,788.6              | 11,508.5              | 44.9             | 48.7          | -72.55                | -1,283.5                            | 1,079.6      | 1,221.0                | 1,138.5                 | 82.52                     | 14.797             |          |
| 12,250.0                                                                   | 12,174.2              | 11,813.0              | 11,520.9              | 45.1             | 48.9          | -69.06                | -1,304.5                            | 1,080.1      | 1,244.9                | 1,162.9                 | 81.99                     | 15.183             |          |
| 12,300.0                                                                   | 12,223.0              | 11,839.3              | 11,534.0              | 45.3             | 49.1          | -65.74                | -1,327.2                            | 1,080.5      | 1,268.2                | 1,186.7                 | 81.51                     | 15.559             |          |
| 12,350.0                                                                   | 12,270.7              | 11,865.0              | 11,546.5              | 45.6             | 49.3          | -62.70                | -1,349.7                            | 1,080.9      | 1,290.9                | 1,209.8                 | 81.03                     | 15.931             |          |
| 12,400.0                                                                   | 12,317.0              | 11,886.1              | 11,556.4              | 45.8             | 49.5          | -60.04                | -1,368.3                            | 1,081.1      | 1,312.6                | 1,232.1                 | 80.42                     | 16.320             |          |
| 12,450.0                                                                   | 12,361.4              | 11,906.3              | 11,565.4              | 46.1             | 49.7          | -57.65                | -1,386.4                            | 1,081.4      | 1,333.2                | 1,253.4                 | 79.81                     | 16.705             |          |
| 12,500.0                                                                   | 12,403.7              | 11,927.1              | 11,574.2              | 46.4             | 49.9          | -55.49                | -1,405.2                            | 1,081.5      | 1,352.7                | 1,273.5                 | 79.23                     | 17.073             |          |
| 12,550.0                                                                   | 12,443.5              | 11,961.0              | 11,587.5              | 46.7             | 50.1          | -53.38                | -1,436.4                            | 1,081.8      | 1,371.0                | 1,291.9                 | 79.06                     | 17.342             |          |
| 12,600.0                                                                   | 12,480.5              | 11,961.0              | 11,587.5              | 47.1             | 50.1          | -51.98                | -1,436.4                            | 1,081.8      | 1,387.5                | 1,309.5                 | 77.98                     | 17.793             |          |
| 12,650.0                                                                   | 12,514.4              | 11,995.4              | 11,599.7              | 47.4             | 50.4          | -50.38                | -1,468.6                            | 1,081.8      | 1,402.3                | 1,324.4                 | 77.91                     | 18.000             |          |
| 12,700.0                                                                   | 12,545.0              | 12,020.1              | 11,607.5              | 47.8             | 50.7          | -49.12                | -1,492.0                            | 1,081.5      | 1,415.4                | 1,337.8                 | 77.62                     | 18.236             |          |
| 12,750.0                                                                   | 12,572.0              | 12,056.0              | 11,617.5              | 48.1             | 51.0          | -48.01                | -1,526.5                            | 1,080.8      | 1,426.6                | 1,348.9                 | 77.65                     | 18.371             |          |
| 12,800.0                                                                   | 12,595.3              | 12,056.0              | 11,617.5              | 48.5             | 51.0          | -47.33                | -1,526.5                            | 1,080.8      | 1,435.7                | 1,358.8                 | 76.88                     | 18.674             |          |
| 12,850.0                                                                   | 12,614.6              | 12,087.2              | 11,624.9              | 48.9             | 51.3          | -46.67                | -1,556.8                            | 1,079.9      | 1,442.8                | 1,365.8                 | 76.96                     | 18.748             |          |
| 12,900.0                                                                   | 12,629.8              | 12,107.3              | 11,628.9              | 49.3             | 51.5          | -46.25                | -1,576.5                            | 1,079.5      | 1,448.0                | 1,371.2                 | 76.85                     | 18.841             |          |
| 12,950.0                                                                   | 12,640.8              | 12,151.0              | 11,635.8              | 49.7             | 51.9          | -46.02                | -1,619.6                            | 1,078.5      | 1,451.7                | 1,374.4                 | 77.35                     | 18.768             |          |
| 13,000.0                                                                   | 12,647.6              | 12,151.0              | 11,635.8              | 50.1             | 51.9          | -45.97                | -1,619.6                            | 1,078.5      | 1,452.5                | 1,375.5                 | 77.03                     | 18.858             |          |
| 13,052.4                                                                   | 12,650.0              | 12,151.0              | 11,635.8              | 50.5             | 51.9          | -46.01                | -1,619.6                            | 1,078.5      | 1,451.9                | 1,375.1                 | 76.83                     | 18.898             |          |
| 13,100.0                                                                   | 12,650.0              | 12,187.3              | 11,639.9              | 50.9             | 52.2          | -46.16                | -1,655.7                            | 1,078.2      | 1,450.1                | 1,372.7                 | 77.45                     | 18.723             |          |
| 13,200.0                                                                   | 12,650.0              | 12,246.0              | 11,644.2              | 51.8             | 52.8          | -46.33                | -1,714.2                            | 1,079.3      | 1,448.4                | 1,370.0                 | 78.34                     | 18.487             |          |
| 13,267.5                                                                   | 12,650.0              | 12,260.8              | 11,644.9              | 52.4             | 52.9          | -46.35                | -1,729.0                            | 1,079.9      | 1,447.5                | 1,369.1                 | 78.45                     | 18.452             |          |
| 13,300.0                                                                   | 12,650.0              | 12,284.7              | 11,645.8              | 52.7             | 53.1          | -46.40                | -1,752.8                            | 1,080.9      | 1,447.4                | 1,368.6                 | 78.81                     | 18.366             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #601H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 29-MWD                                                     |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 13,300.5                                                                   | 12,650.0              | 12,285.1              | 11,645.8              | 52.7             | 53.1          | -46.40                | -1,753.2                            | 1,080.9      | 1,447.4                | 1,368.6                 | 78.82                     | 18.365            |                    |          |
| 13,400.0                                                                   | 12,650.0              | 12,362.7              | 11,648.1              | 53.6             | 53.9          | -46.55                | -1,830.7                            | 1,084.5      | 1,448.3                | 1,368.3                 | 80.02                     | 18.100            |                    |          |
| 13,500.0                                                                   | 12,650.0              | 13,500.0              | 11,652.1              | 54.6             | 65.6          | -46.80                | -1,965.5                            | 1,090.0      | 1,448.9                | 1,358.8                 | 90.17                     | 16.069            |                    |          |
| 13,600.0                                                                   | 12,650.0              | 12,636.3              | 11,656.7              | 55.6             | 56.7          | -46.90                | -2,103.9                            | 1,089.6      | 1,445.6                | 1,360.9                 | 84.71                     | 17.065            |                    |          |
| 13,700.0                                                                   | 12,650.0              | 12,765.0              | 11,660.8              | 56.6             | 58.1          | -46.93                | -2,232.6                            | 1,087.5      | 1,442.1                | 1,355.1                 | 86.92                     | 16.590            |                    |          |
| 13,800.0                                                                   | 12,650.0              | 12,891.1              | 11,671.0              | 57.6             | 59.5          | -47.15                | -2,358.2                            | 1,085.1      | 1,434.5                | 1,345.1                 | 89.35                     | 16.054            |                    |          |
| 13,900.0                                                                   | 12,650.0              | 12,951.5              | 11,675.2              | 58.7             | 60.2          | -47.23                | -2,418.5                            | 1,084.2      | 1,428.3                | 1,337.8                 | 90.44                     | 15.793            |                    |          |
| 14,000.0                                                                   | 12,650.0              | 13,006.0              | 11,676.0              | 59.8             | 60.8          | -47.22                | -2,473.0                            | 1,083.1      | 1,425.3                | 1,334.0                 | 91.31                     | 15.610            |                    |          |
| 14,100.0                                                                   | 12,650.0              | 13,087.0              | 11,674.9              | 61.0             | 61.8          | -47.14                | -2,554.0                            | 1,081.9      | 1,424.7                | 1,332.0                 | 92.64                     | 15.379            |                    |          |
| 14,107.9                                                                   | 12,650.0              | 13,093.7              | 11,674.7              | 61.1             | 61.9          | -47.13                | -2,560.6                            | 1,081.8      | 1,424.7                | 1,331.9                 | 92.75                     | 15.360            |                    |          |
| 14,200.0                                                                   | 12,650.0              | 13,175.9              | 11,673.3              | 62.1             | 62.8          | -47.07                | -2,642.8                            | 1,081.4      | 1,425.0                | 1,330.9                 | 94.16                     | 15.134            |                    |          |
| 14,300.0                                                                   | 12,650.0              | 13,270.1              | 11,672.1              | 63.3             | 64.0          | -47.03                | -2,737.0                            | 1,082.0      | 1,425.9                | 1,330.1                 | 95.86                     | 14.875            |                    |          |
| 14,400.0                                                                   | 12,650.0              | 13,366.3              | 11,672.2              | 64.5             | 65.1          | -47.08                | -2,833.2                            | 1,084.4      | 1,427.2                | 1,329.4                 | 97.75                     | 14.600            |                    |          |
| 14,500.0                                                                   | 12,650.0              | 13,457.9              | 11,673.6              | 65.7             | 66.3          | -47.22                | -2,924.7                            | 1,088.3      | 1,428.8                | 1,329.1                 | 99.68                     | 14.334            |                    |          |
| 14,600.0                                                                   | 12,650.0              | 13,638.0              | 11,681.0              | 67.0             | 68.6          | -47.51                | -3,104.6                            | 1,092.1      | 1,426.5                | 1,322.8                 | 103.72                    | 13.753            |                    |          |
| 14,700.0                                                                   | 12,650.0              | 13,727.4              | 11,686.7              | 68.2             | 69.7          | -47.71                | -3,193.8                            | 1,093.9      | 1,423.2                | 1,317.4                 | 105.79                    | 13.453            |                    |          |
| 14,800.0                                                                   | 12,650.0              | 13,803.5              | 11,691.1              | 69.5             | 70.7          | -47.89                | -3,269.7                            | 1,096.0      | 1,421.0                | 1,313.4                 | 107.59                    | 13.208            |                    |          |
| 14,850.5                                                                   | 12,650.0              | 13,836.9              | 11,692.2              | 70.2             | 71.1          | -47.94                | -3,303.1                            | 1,096.9      | 1,420.7                | 1,312.3                 | 108.34                    | 13.113            |                    |          |
| 14,900.0                                                                   | 12,650.0              | 13,871.5              | 11,692.7              | 70.8             | 71.6          | -47.97                | -3,337.7                            | 1,097.8      | 1,421.0                | 1,311.9                 | 109.09                    | 13.025            |                    |          |
| 15,000.0                                                                   | 12,650.0              | 13,949.5              | 11,693.3              | 72.1             | 72.6          | -48.05                | -3,415.6                            | 1,100.8      | 1,422.8                | 1,312.0                 | 110.82                    | 12.839            |                    |          |
| 15,100.0                                                                   | 12,650.0              | 14,129.9              | 11,697.4              | 73.4             | 75.0          | -48.18                | -3,595.9                            | 1,102.0      | 1,420.3                | 1,305.4                 | 114.89                    | 12.363            |                    |          |
| 15,200.0                                                                   | 12,650.0              | 14,291.7              | 11,707.5              | 74.8             | 77.2          | -48.39                | -3,757.3                            | 1,099.5      | 1,414.3                | 1,295.6                 | 118.63                    | 11.922            |                    |          |
| 15,300.0                                                                   | 12,650.0              | 14,382.8              | 11,715.0              | 76.1             | 78.5          | -48.57                | -3,848.1                            | 1,098.0      | 1,407.1                | 1,286.2                 | 120.90                    | 11.638            |                    |          |
| 15,400.0                                                                   | 12,650.0              | 14,466.0              | 11,719.5              | 77.5             | 79.7          | -48.63                | -3,931.1                            | 1,095.6      | 1,400.8                | 1,277.9                 | 122.87                    | 11.400            |                    |          |
| 15,500.0                                                                   | 12,650.0              | 14,548.0              | 11,722.8              | 78.8             | 80.8          | -48.66                | -4,013.0                            | 1,093.7      | 1,395.9                | 1,271.1                 | 124.79                    | 11.186            |                    |          |
| 15,600.0                                                                   | 12,650.0              | 14,637.5              | 11,727.0              | 80.2             | 82.1          | -48.76                | -4,102.5                            | 1,093.2      | 1,392.0                | 1,265.0                 | 126.98                    | 10.962            |                    |          |
| 15,700.0                                                                   | 12,650.0              | 14,725.5              | 11,732.1              | 81.6             | 83.3          | -48.94                | -4,190.3                            | 1,094.4      | 1,388.8                | 1,259.5                 | 129.27                    | 10.743            |                    |          |
| 15,800.0                                                                   | 12,650.0              | 14,802.0              | 11,735.1              | 83.0             | 84.4          | -49.05                | -4,266.7                            | 1,095.6      | 1,386.9                | 1,255.7                 | 131.21                    | 10.570            |                    |          |
| 15,900.0                                                                   | 12,650.0              | 14,897.3              | 11,736.9              | 84.4             | 85.8          | -49.12                | -4,362.0                            | 1,096.8      | 1,386.1                | 1,252.6                 | 133.52                    | 10.381            |                    |          |
| 16,000.0                                                                   | 12,650.0              | 14,989.9              | 11,738.9              | 85.9             | 87.1          | -49.22                | -4,454.6                            | 1,098.6      | 1,385.7                | 1,249.9                 | 135.84                    | 10.201            |                    |          |
| 16,100.0                                                                   | 12,650.0              | 15,108.9              | 11,744.2              | 87.3             | 88.8          | -49.48                | -4,573.4                            | 1,102.7      | 1,385.0                | 1,246.0                 | 139.03                    | 9.962             |                    |          |
| 16,200.0                                                                   | 12,650.0              | 15,194.9              | 11,747.5              | 88.7             | 90.0          | -49.63                | -4,659.3                            | 1,105.1      | 1,384.2                | 1,242.8                 | 141.33                    | 9.794             |                    |          |
| 16,300.0                                                                   | 12,650.0              | 15,297.3              | 11,749.7              | 90.2             | 91.5          | -49.73                | -4,761.6                            | 1,106.9      | 1,383.6                | 1,239.7                 | 143.93                    | 9.613             |                    |          |
| 16,400.0                                                                   | 12,650.0              | 15,400.2              | 11,752.0              | 91.6             | 93.0          | -49.83                | -4,864.5                            | 1,108.5      | 1,382.9                | 1,236.3                 | 146.56                    | 9.436             |                    |          |
| 16,500.0                                                                   | 12,650.0              | 15,541.8              | 11,756.1              | 93.1             | 95.1          | -49.97                | -5,006.0                            | 1,109.7      | 1,381.5                | 1,231.3                 | 150.13                    | 9.202             |                    |          |
| 16,600.0                                                                   | 12,650.0              | 15,662.9              | 11,762.7              | 94.5             | 96.9          | -50.11                | -5,126.9                            | 1,107.9      | 1,376.3                | 1,223.1                 | 153.23                    | 8.982             |                    |          |
| 16,700.0                                                                   | 12,650.0              | 15,770.7              | 11,770.9              | 96.0             | 98.5          | -50.35                | -5,234.4                            | 1,107.5      | 1,370.6                | 1,214.4                 | 156.24                    | 8.773             |                    |          |
| 16,800.0                                                                   | 12,650.0              | 15,848.0              | 11,775.5              | 97.5             | 99.7          | -50.46                | -5,311.5                            | 1,106.7      | 1,365.6                | 1,207.1                 | 158.43                    | 8.619             |                    |          |
| 16,900.0                                                                   | 12,650.0              | 15,932.8              | 11,778.7              | 99.0             | 100.9         | -50.53                | -5,396.3                            | 1,105.8      | 1,361.8                | 1,201.1                 | 160.69                    | 8.475             |                    |          |
| 17,000.0                                                                   | 12,650.0              | 16,023.4              | 11,782.9              | 100.5            | 102.3         | -50.67                | -5,486.8                            | 1,106.4      | 1,359.0                | 1,195.8                 | 163.21                    | 8.327             |                    |          |
| 17,100.0                                                                   | 12,650.0              | 16,107.3              | 11,787.3              | 101.9            | 103.5         | -50.85                | -5,570.5                            | 1,108.4      | 1,357.0                | 1,191.3                 | 165.67                    | 8.191             |                    |          |
| 17,200.0                                                                   | 12,650.0              | 16,192.0              | 11,791.1              | 103.4            | 104.8         | -51.04                | -5,655.1                            | 1,111.3      | 1,356.3                | 1,188.2                 | 168.14                    | 8.066             |                    |          |
| 17,300.0                                                                   | 12,650.0              | 17,300.0              | 11,797.1              | 104.9            | 121.6         | -51.31                | -5,777.5                            | 1,115.0      | 1,355.1                | 1,170.9                 | 184.23                    | 7.356             |                    |          |
| 17,400.0                                                                   | 12,650.0              | 16,427.3              | 11,803.2              | 106.5            | 108.4         | -51.53                | -5,890.0                            | 1,116.1      | 1,351.9                | 1,177.0                 | 174.92                    | 7.729             |                    |          |
| 17,500.0                                                                   | 12,650.0              | 16,548.2              | 11,807.9              | 108.0            | 110.2         | -51.63                | -6,010.8                            | 1,114.8      | 1,348.1                | 1,170.0                 | 178.09                    | 7.570             |                    |          |
| 17,600.0                                                                   | 12,650.0              | 16,636.6              | 11,811.5              | 109.5            | 111.6         | -51.70                | -6,099.1                            | 1,113.6      | 1,344.1                | 1,163.5                 | 180.54                    | 7.444             |                    |          |
| 17,700.0                                                                   | 12,650.0              | 16,713.0              | 11,813.4              | 111.0            | 112.7         | -51.75                | -6,175.5                            | 1,113.4      | 1,341.7                | 1,159.1                 | 182.66                    | 7.345             |                    |          |
| 17,800.0                                                                   | 12,650.0              | 16,801.8              | 11,815.6              | 112.5            | 114.1         | -51.84                | -6,264.2                            | 1,114.6      | 1,340.7                | 1,155.6                 | 185.14                    | 7.242             |                    |          |
| 17,866.5                                                                   | 12,650.0              | 16,856.7              | 11,817.8              | 113.5            | 114.9         | -51.95                | -6,319.1                            | 1,116.3      | 1,340.4                | 1,153.6                 | 186.78                    | 7.177             |                    |          |
| 17,900.0                                                                   | 12,650.0              | 16,883.9              | 11,818.5              | 114.1            | 115.4         | -51.99                | -6,346.2                            | 1,117.1      | 1,340.5                | 1,152.9                 | 187.56                    | 7.147             |                    |          |
| 18,000.0                                                                   | 12,650.0              | 17,080.5              | 11,823.8              | 115.6            | 118.4         | -52.03                | -6,542.6                            | 1,112.9      | 1,336.0                | 1,143.7                 | 192.31                    | 6.947             |                    |          |
| 18,100.0                                                                   | 12,650.0              | 17,169.3              | 11,831.1              | 117.1            | 119.8         | -52.23                | -6,631.1                            | 1,111.8      | 1,329.6                | 1,134.5                 | 195.10                    | 6.815             |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #601H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 29-MWD                                                     |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 18,200.0                                                                   | 12,650.0              | 17,244.2              | 11,836.8              | 118.7            | 120.9         | -52.42                | -6,705.7                            | 1,111.9      | 1,324.5                | 1,126.9                 | 197.59                    | 6.703              |          |
| 18,300.0                                                                   | 12,650.0              | 17,326.2              | 11,841.5              | 120.2            | 122.2         | -52.59                | -6,787.6                            | 1,112.9      | 1,321.4                | 1,121.2                 | 200.17                    | 6.602              |          |
| 18,400.0                                                                   | 12,650.0              | 17,408.3              | 11,846.9              | 121.8            | 123.5         | -52.82                | -6,869.5                            | 1,115.2      | 1,319.2                | 1,116.3                 | 202.86                    | 6.503              |          |
| 18,450.9                                                                   | 12,650.0              | 17,442.2              | 11,848.0              | 122.5            | 124.0         | -52.87                | -6,903.4                            | 1,115.9      | 1,318.8                | 1,115.0                 | 203.88                    | 6.469              |          |
| 18,500.0                                                                   | 12,650.0              | 17,475.3              | 11,847.9              | 123.3            | 124.5         | -52.88                | -6,936.5                            | 1,116.3      | 1,319.1                | 1,114.4                 | 204.75                    | 6.443              |          |
| 18,600.0                                                                   | 12,650.0              | 17,560.6              | 11,846.5              | 124.9            | 125.8         | -52.85                | -7,021.7                            | 1,117.6      | 1,320.9                | 1,114.0                 | 206.92                    | 6.384              |          |
| 18,700.0                                                                   | 12,650.0              | 17,679.1              | 11,849.6              | 126.4            | 127.7         | -53.09                | -7,140.1                            | 1,123.3      | 1,322.7                | 1,112.1                 | 210.58                    | 6.281              |          |
| 18,800.0                                                                   | 12,650.0              | 17,775.3              | 11,853.3              | 128.0            | 129.2         | -53.33                | -7,236.0                            | 1,128.4      | 1,324.1                | 1,110.4                 | 213.65                    | 6.198              |          |
| 18,900.0                                                                   | 12,650.0              | 17,899.5              | 11,853.5              | 129.5            | 131.1         | -53.34                | -7,360.2                            | 1,129.3      | 1,324.0                | 1,107.0                 | 216.96                    | 6.103              |          |
| 19,000.0                                                                   | 12,650.0              | 18,017.0              | 11,852.8              | 131.1            | 132.9         | -53.27                | -7,477.7                            | 1,128.1      | 1,323.1                | 1,103.2                 | 219.87                    | 6.018              |          |
| 19,100.0                                                                   | 12,650.0              | 18,131.2              | 11,853.6              | 132.6            | 134.7         | -53.22                | -7,591.8                            | 1,125.7      | 1,320.5                | 1,097.8                 | 222.73                    | 5.929              |          |
| 19,200.0                                                                   | 12,650.0              | 18,217.1              | 11,856.0              | 134.2            | 136.1         | -53.28                | -7,677.7                            | 1,125.3      | 1,318.0                | 1,092.8                 | 225.22                    | 5.852              |          |
| 19,300.0                                                                   | 12,650.0              | 18,314.5              | 11,855.9              | 135.8            | 137.6         | -53.21                | -7,775.0                            | 1,123.8      | 1,316.3                | 1,088.6                 | 227.69                    | 5.781              |          |
| 19,400.0                                                                   | 12,650.0              | 18,404.9              | 11,856.7              | 137.3            | 139.0         | -53.22                | -7,865.4                            | 1,123.4      | 1,314.9                | 1,084.7                 | 230.14                    | 5.713              |          |
| 19,500.0                                                                   | 12,650.0              | 18,502.1              | 11,856.3              | 138.9            | 140.6         | -53.17                | -7,962.6                            | 1,122.6      | 1,314.1                | 1,081.5                 | 232.63                    | 5.649              |          |
| 19,600.0                                                                   | 12,650.0              | 18,609.9              | 11,857.5              | 140.5            | 142.3         | -53.20                | -8,070.4                            | 1,122.9      | 1,313.1                | 1,077.5                 | 235.58                    | 5.574              |          |
| 19,700.0                                                                   | 12,650.0              | 18,712.0              | 11,857.4              | 142.1            | 143.9         | -53.15                | -8,172.4                            | 1,121.6      | 1,311.6                | 1,073.5                 | 238.18                    | 5.507              |          |
| 19,767.1                                                                   | 12,650.0              | 18,759.2              | 11,857.6              | 143.1            | 144.6         | -53.15                | -8,219.7                            | 1,121.6      | 1,311.1                | 1,071.7                 | 239.49                    | 5.475              |          |
| 19,800.0                                                                   | 12,650.0              | 18,782.5              | 11,857.3              | 143.6            | 145.0         | -53.13                | -8,243.0                            | 1,121.6      | 1,311.3                | 1,071.2                 | 240.08                    | 5.462              |          |
| 19,900.0                                                                   | 12,650.0              | 18,862.0              | 11,854.3              | 145.2            | 146.2         | -53.01                | -8,322.4                            | 1,121.5      | 1,312.9                | 1,071.0                 | 241.90                    | 5.427              |          |
| 20,000.0                                                                   | 12,650.0              | 18,994.5              | 11,848.8              | 146.8            | 148.3         | -52.78                | -8,454.8                            | 1,121.0      | 1,314.8                | 1,069.9                 | 244.92                    | 5.368              |          |
| 20,024.5                                                                   | 12,650.0              | 19,016.8              | 11,848.6              | 147.2            | 148.7         | -52.78                | -8,477.0                            | 1,121.0      | 1,314.8                | 1,069.3                 | 245.50                    | 5.356              |          |
| 20,100.0                                                                   | 12,650.0              | 19,083.2              | 11,848.5              | 148.4            | 149.7         | -52.78                | -8,543.4                            | 1,121.6      | 1,315.0                | 1,067.8                 | 247.28                    | 5.318              |          |
| 20,200.0                                                                   | 12,650.0              | 19,172.6              | 11,849.0              | 150.0            | 151.1         | -52.83                | -8,632.8                            | 1,123.7      | 1,316.2                | 1,066.3                 | 249.82                    | 5.268              |          |
| 20,300.0                                                                   | 12,650.0              | 19,306.9              | 11,851.7              | 151.6            | 153.3         | -53.00                | -8,767.1                            | 1,127.1      | 1,316.5                | 1,062.7                 | 253.83                    | 5.187              |          |
| 20,400.0                                                                   | 12,650.0              | 19,420.3              | 11,854.4              | 153.2            | 155.1         | -53.08                | -8,880.4                            | 1,127.2      | 1,314.6                | 1,057.5                 | 257.04                    | 5.114              |          |
| 20,500.0                                                                   | 12,650.0              | 19,527.0              | 11,856.8              | 154.7            | 156.8         | -53.13                | -8,987.1                            | 1,126.8      | 1,312.4                | 1,052.4                 | 260.02                    | 5.047              |          |
| 20,600.0                                                                   | 12,650.0              | 19,632.3              | 11,857.4              | 156.3            | 158.5         | -53.06                | -9,092.4                            | 1,123.9      | 1,309.4                | 1,046.8                 | 262.65                    | 4.985              |          |
| 20,700.0                                                                   | 12,650.0              | 19,714.6              | 11,858.7              | 157.9            | 159.8         | -53.06                | -9,174.6                            | 1,122.7      | 1,306.9                | 1,041.9                 | 264.96                    | 4.932              |          |
| 20,800.0                                                                   | 12,650.0              | 19,801.2              | 11,858.0              | 159.5            | 161.1         | -53.00                | -9,261.3                            | 1,121.8      | 1,305.9                | 1,038.8                 | 267.19                    | 4.888              |          |
| 20,900.0                                                                   | 12,650.0              | 19,899.4              | 11,858.2              | 161.1            | 162.7         | -52.98                | -9,359.4                            | 1,121.7      | 1,305.3                | 1,035.5                 | 269.81                    | 4.838              |          |
| 21,000.0                                                                   | 12,650.0              | 19,997.5              | 11,858.5              | 162.7            | 164.3         | -52.99                | -9,457.5                            | 1,122.0      | 1,304.9                | 1,032.4                 | 272.49                    | 4.789              |          |
| 21,100.0                                                                   | 12,650.0              | 20,093.3              | 11,860.5              | 164.3            | 165.8         | -53.09                | -9,553.3                            | 1,123.8      | 1,304.6                | 1,029.2                 | 275.37                    | 4.738              |          |
| 21,108.3                                                                   | 12,650.0              | 20,100.9              | 11,860.6              | 164.4            | 165.9         | -53.10                | -9,560.9                            | 1,123.9      | 1,304.6                | 1,029.0                 | 275.60                    | 4.734              |          |
| 21,200.0                                                                   | 12,650.0              | 20,183.2              | 11,861.8              | 165.9            | 167.2         | -53.17                | -9,643.1                            | 1,125.7      | 1,304.9                | 1,026.9                 | 278.04                    | 4.693              |          |
| 21,300.0                                                                   | 12,650.0              | 20,270.7              | 11,864.0              | 167.5            | 168.7         | -53.33                | -9,730.6                            | 1,129.2      | 1,306.1                | 1,025.2                 | 280.84                    | 4.651              |          |
| 21,400.0                                                                   | 12,650.0              | 20,357.8              | 11,863.1              | 169.1            | 170.0         | -53.34                | -9,817.6                            | 1,131.4      | 1,308.3                | 1,025.1                 | 283.21                    | 4.619              |          |
| 21,500.0                                                                   | 12,650.0              | 20,459.7              | 11,861.8              | 170.7            | 171.7         | -53.37                | -9,919.5                            | 1,134.9      | 1,311.3                | 1,025.2                 | 286.08                    | 4.584              |          |
| 21,600.0                                                                   | 12,650.0              | 20,578.3              | 11,860.7              | 172.3            | 173.6         | -53.36                | -10,038.0                           | 1,136.9      | 1,312.7                | 1,023.3                 | 289.35                    | 4.537              |          |
| 21,700.0                                                                   | 12,650.0              | 20,746.5              | 11,862.9              | 173.9            | 176.3         | -53.40                | -10,206.2                           | 1,136.4      | 1,311.2                | 1,017.4                 | 293.76                    | 4.463              |          |
| 21,800.0                                                                   | 12,650.0              | 20,851.4              | 11,866.8              | 175.5            | 178.0         | -53.47                | -10,310.9                           | 1,134.4      | 1,306.9                | 1,010.1                 | 296.77                    | 4.404              |          |
| 21,900.0                                                                   | 12,650.0              | 20,951.0              | 11,868.7              | 177.1            | 179.6         | -53.42                | -10,410.5                           | 1,130.7      | 1,302.3                | 1,003.0                 | 299.37                    | 4.350              |          |
| 22,000.0                                                                   | 12,650.0              | 21,048.9              | 11,871.9              | 178.7            | 181.1         | -53.46                | -10,508.3                           | 1,128.5      | 1,298.0                | 995.8                   | 302.18                    | 4.295              |          |
| 22,100.0                                                                   | 12,650.0              | 21,120.4              | 11,874.8              | 180.3            | 182.3         | -53.53                | -10,579.7                           | 1,127.7      | 1,294.4                | 989.8                   | 304.57                    | 4.250              |          |
| 22,157.2                                                                   | 12,650.0              | 21,150.4              | 11,874.7              | 181.3            | 182.8         | -53.51                | -10,609.7                           | 1,127.4      | 1,293.8                | 988.3                   | 305.43                    | 4.236              |          |
| 22,200.0                                                                   | 12,650.0              | 21,184.0              | 11,873.2              | 182.0            | 183.3         | -53.45                | -10,643.3                           | 1,127.0      | 1,294.2                | 988.0                   | 306.16                    | 4.227              |          |
| 22,300.0                                                                   | 12,650.0              | 21,295.8              | 11,870.7              | 183.6            | 185.1         | -53.34                | -10,755.0                           | 1,127.0      | 1,295.2                | 986.3                   | 308.89                    | 4.193              |          |
| 22,388.2                                                                   | 12,650.0              | 21,382.1              | 11,872.4              | 185.0            | 186.5         | -53.43                | -10,841.3                           | 1,128.7      | 1,295.1                | 983.5                   | 311.54                    | 4.157              |          |
| 22,400.0                                                                   | 12,650.0              | 21,392.1              | 11,872.6              | 185.2            | 186.7         | -53.44                | -10,851.3                           | 1,128.9      | 1,295.1                | 983.2                   | 311.85                    | 4.153              |          |
| 22,500.0                                                                   | 12,650.0              | 21,481.4              | 11,872.9              | 186.8            | 188.1         | -53.47                | -10,940.6                           | 1,130.2      | 1,295.6                | 981.2                   | 314.40                    | 4.121              |          |
| 22,600.0                                                                   | 12,650.0              | 21,566.7              | 11,872.2              | 188.4            | 189.5         | -53.48                | -11,025.9                           | 1,131.9      | 1,297.1                | 980.3                   | 316.73                    | 4.095              |          |
| 22,700.0                                                                   | 12,650.0              | 21,663.9              | 11,872.2              | 190.0            | 191.0         | -53.54                | -11,123.0                           | 1,135.0      | 1,299.2                | 979.6                   | 319.59                    | 4.065              |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| <b>Offset Design</b> Blue Chip - Blue Chip 14 Fed Com #601H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | <b>Offset Site Error:</b> | 0.0 usft |
|-----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|----------|
| Survey Program: 29-MWD                                                            |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | <b>Offset Well Error:</b> | 0.0 usft |
| Reference                                                                         | Offset                | Semi Major Axis       |                       | Distance         |               |                       |                                     |              |                        |                         |                           |                           |          |
| Measured Depth (usft)                                                             | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor         | Warning  |
| 22,800.0                                                                          | 12,650.0              | 21,758.5              | 11,873.5              | 191.6            | 192.6         | -53.69                | -11,217.5                           | 1,139.5      | 1,301.7                | 979.1                   | 322.64                    | 4.035                     |          |
| 22,884.1                                                                          | 12,650.0              | 21,830.3              | 11,875.3              | 193.0            | 193.7         | -53.86                | -11,289.1                           | 1,144.2      | 1,304.4                | 979.3                   | 325.09                    | 4.013 SF                  |          |

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #603H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 29-MWD                                                     |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 0.0                                                                        | 0.0                   | 3.0                   | 3.0                   | 0.0              | 0.0           | 80.62                 | 36.2                                | 219.5        | 222.4                  |                         |                           |                    |          |
| 100.0                                                                      | 100.0                 | 102.6                 | 102.6                 | 0.1              | 0.3           | 80.59                 | 36.4                                | 219.5        | 222.5                  | 222.1                   | 0.39                      | 564.537            |          |
| 200.0                                                                      | 200.0                 | 202.4                 | 202.4                 | 0.5              | 0.6           | 80.47                 | 36.9                                | 219.7        | 222.7                  | 221.6                   | 1.11                      | 201.505            |          |
| 300.0                                                                      | 300.0                 | 302.4                 | 302.4                 | 0.8              | 1.0           | 80.48                 | 36.9                                | 219.9        | 223.0                  | 221.2                   | 1.81                      | 122.988            |          |
| 400.0                                                                      | 400.0                 | 401.8                 | 401.8                 | 1.2              | 1.3           | 80.47                 | 37.0                                | 220.3        | 223.4                  | 220.9                   | 2.53                      | 88.470             |          |
| 500.0                                                                      | 500.0                 | 501.0                 | 501.0                 | 1.6              | 1.7           | 80.45                 | 37.2                                | 221.0        | 224.2                  | 220.9                   | 3.24                      | 69.229             |          |
| 600.0                                                                      | 600.0                 | 601.4                 | 601.4                 | 1.9              | 2.0           | 80.37                 | 37.6                                | 221.9        | 225.1                  | 221.1                   | 3.95                      | 56.914             |          |
| 700.0                                                                      | 700.0                 | 702.9                 | 702.9                 | 2.3              | 2.4           | 80.39                 | 37.6                                | 222.2        | 225.3                  | 220.7                   | 4.67                      | 48.285             |          |
| 800.0                                                                      | 800.0                 | 803.4                 | 803.3                 | 2.6              | 2.7           | 80.48                 | 37.3                                | 222.2        | 225.3                  | 219.9                   | 5.37                      | 41.954             |          |
| 900.0                                                                      | 900.0                 | 903.4                 | 903.4                 | 3.0              | 3.1           | 80.61                 | 36.7                                | 222.1        | 225.1                  | 219.0                   | 6.07                      | 37.075             |          |
| 1,000.0                                                                    | 1,000.0               | 1,003.7               | 1,003.7               | 3.4              | 3.4           | 80.76                 | 36.1                                | 222.0        | 224.9                  | 218.1                   | 6.78                      | 33.183             |          |
| 1,100.0                                                                    | 1,100.0               | 1,104.0               | 1,104.0               | 3.7              | 3.8           | 80.90                 | 35.5                                | 221.7        | 224.5                  | 217.0                   | 7.48                      | 30.002             |          |
| 1,200.0                                                                    | 1,200.0               | 1,206.1               | 1,206.0               | 4.1              | 4.1           | 81.01                 | 34.9                                | 220.9        | 223.6                  | 215.4                   | 8.19                      | 27.293             |          |
| 1,300.0                                                                    | 1,300.0               | 1,305.0               | 1,304.9               | 4.4              | 4.5           | 81.13                 | 34.3                                | 219.9        | 222.6                  | 213.7                   | 8.90                      | 25.021             |          |
| 1,400.0                                                                    | 1,400.0               | 1,404.7               | 1,404.7               | 4.8              | 4.8           | 81.35                 | 33.4                                | 219.3        | 221.8                  | 212.2                   | 9.60                      | 23.092             |          |
| 1,500.0                                                                    | 1,500.0               | 1,504.0               | 1,503.9               | 5.1              | 5.2           | 81.58                 | 32.4                                | 218.7        | 221.1                  | 210.8                   | 10.31                     | 21.440             |          |
| 1,600.0                                                                    | 1,600.0               | 1,603.8               | 1,603.8               | 5.5              | 5.5           | 81.71                 | 31.8                                | 218.6        | 220.9                  | 209.9                   | 11.02                     | 20.038             |          |
| 1,668.8                                                                    | 1,668.8               | 1,671.8               | 1,671.8               | 5.8              | 5.8           | 81.77                 | 31.6                                | 218.3        | 220.6                  | 209.1                   | 11.51                     | 19.167             |          |
| 1,700.0                                                                    | 1,700.0               | 1,701.6               | 1,701.6               | 5.9              | 5.9           | 81.80                 | 31.5                                | 218.5        | 220.7                  | 209.0                   | 11.73                     | 18.822             |          |
| 1,800.0                                                                    | 1,800.0               | 1,797.9               | 1,797.8               | 6.2              | 6.2           | 81.87                 | 31.4                                | 220.0        | 222.3                  | 209.9                   | 12.42                     | 17.898             |          |
| 1,900.0                                                                    | 1,900.0               | 1,895.6               | 1,895.5               | 6.6              | 6.5           | 81.97                 | 31.4                                | 222.9        | 225.2                  | 212.1                   | 13.12                     | 17.168             |          |
| 2,000.0                                                                    | 2,000.0               | 1,995.8               | 1,995.6               | 6.9              | 6.9           | 82.19                 | 31.1                                | 226.4        | 228.7                  | 214.9                   | 13.83                     | 16.540             |          |
| 2,100.0                                                                    | 2,100.0               | 2,098.4               | 2,098.2               | 7.3              | 7.3           | 82.24                 | 31.2                                | 229.1        | 231.3                  | 216.7                   | 14.55                     | 15.895             |          |
| 2,200.0                                                                    | 2,200.0               | 2,200.8               | 2,200.6               | 7.7              | 7.6           | 82.27                 | 31.3                                | 230.8        | 232.9                  | 217.6                   | 15.27                     | 15.252             |          |
| 2,300.0                                                                    | 2,300.0               | 2,303.7               | 2,303.5               | 8.0              | 8.0           | 82.33                 | 31.1                                | 231.2        | 233.3                  | 217.3                   | 15.99                     | 14.590             |          |
| 2,400.0                                                                    | 2,400.0               | 2,405.1               | 2,404.9               | 8.4              | 8.3           | 82.27                 | 31.3                                | 230.5        | 232.6                  | 216.0                   | 16.70                     | 13.934             |          |
| 2,500.0                                                                    | 2,500.0               | 2,504.4               | 2,504.2               | 8.7              | 8.7           | 82.22                 | 31.4                                | 229.8        | 231.9                  | 214.5                   | 17.40                     | 13.331             |          |
| 2,600.0                                                                    | 2,600.0               | 2,604.4               | 2,604.1               | 9.1              | 9.0           | 82.19                 | 31.4                                | 229.3        | 231.5                  | 213.4                   | 18.10                     | 12.790             |          |
| 2,686.1                                                                    | 2,686.1               | 2,689.4               | 2,689.1               | 9.4              | 9.3           | 82.14                 | 31.6                                | 229.0        | 231.2                  | 212.5                   | 18.70                     | 12.361             |          |
| 2,700.0                                                                    | 2,700.0               | 2,702.9               | 2,702.7               | 9.4              | 9.4           | 82.13                 | 31.7                                | 229.0        | 231.2                  | 212.4                   | 18.80                     | 12.298             |          |
| 2,800.0                                                                    | 2,800.0               | 2,802.0               | 2,801.8               | 9.8              | 9.7           | 82.04                 | 32.1                                | 229.4        | 231.6                  | 212.1                   | 19.50                     | 11.876             |          |
| 2,900.0                                                                    | 2,900.0               | 2,901.4               | 2,901.2               | 10.2             | 10.0          | 81.99                 | 32.3                                | 230.0        | 232.2                  | 212.0                   | 20.21                     | 11.493             |          |
| 3,000.0                                                                    | 3,000.0               | 3,001.4               | 3,001.2               | 10.5             | 10.4          | 82.04                 | 32.3                                | 230.8        | 233.0                  | 212.1                   | 20.92                     | 11.142             |          |
| 3,100.0                                                                    | 3,100.0               | 3,102.3               | 3,102.1               | 10.9             | 10.8          | 82.09                 | 32.1                                | 231.4        | 233.7                  | 212.0                   | 21.63                     | 10.802             |          |
| 3,200.0                                                                    | 3,200.0               | 3,201.5               | 3,201.3               | 11.2             | 11.1          | 82.17                 | 31.9                                | 232.0        | 234.2                  | 211.8                   | 22.34                     | 10.482             |          |
| 3,300.0                                                                    | 3,300.0               | 3,301.4               | 3,301.2               | 11.6             | 11.5          | 82.22                 | 31.8                                | 232.8        | 234.9                  | 211.9                   | 23.05                     | 10.192             |          |
| 3,400.0                                                                    | 3,400.0               | 3,402.6               | 3,402.3               | 12.0             | 11.8          | 82.21                 | 31.9                                | 233.3        | 235.5                  | 211.7                   | 23.77                     | 9.908              |          |
| 3,500.0                                                                    | 3,500.0               | 3,502.0               | 3,501.7               | 12.3             | 12.2          | 82.22                 | 31.9                                | 233.7        | 235.9                  | 211.4                   | 24.47                     | 9.639              |          |
| 3,600.0                                                                    | 3,600.0               | 3,601.7               | 3,601.5               | 12.7             | 12.5          | 82.27                 | 31.8                                | 234.3        | 236.5                  | 211.3                   | 25.19                     | 9.388              |          |
| 3,700.0                                                                    | 3,700.0               | 3,710.0               | 3,709.7               | 13.0             | 12.9          | 82.35                 | 31.3                                | 233.5        | 235.7                  | 209.8                   | 25.91                     | 9.097              |          |
| 3,800.0                                                                    | 3,800.0               | 3,810.6               | 3,810.2               | 13.4             | 13.2          | 82.67                 | 29.7                                | 230.6        | 232.6                  | 206.0                   | 26.61                     | 8.741              |          |
| 3,900.0                                                                    | 3,900.0               | 3,911.4               | 3,911.0               | 13.7             | 13.6          | -6.97                 | 27.5                                | 227.5        | 227.6                  | 200.3                   | 27.31                     | 8.334              |          |
| 4,000.0                                                                    | 3,999.8               | 4,005.9               | 4,005.5               | 14.1             | 13.9          | -7.05                 | 26.9                                | 225.4        | 220.1                  | 192.1                   | 27.99                     | 7.863              |          |
| 4,100.0                                                                    | 4,099.6               | 4,104.5               | 4,104.0               | 14.4             | 14.2          | -7.47                 | 27.5                                | 224.4        | 212.2                  | 183.5                   | 28.67                     | 7.402              |          |
| 4,200.0                                                                    | 4,199.4               | 4,203.7               | 4,203.3               | 14.8             | 14.6          | -7.99                 | 28.4                                | 223.7        | 204.7                  | 175.4                   | 29.35                     | 6.975              |          |
| 4,300.0                                                                    | 4,299.1               | 4,302.8               | 4,302.4               | 15.1             | 14.9          | -8.56                 | 29.3                                | 223.3        | 197.5                  | 167.5                   | 30.04                     | 6.576              |          |
| 4,400.0                                                                    | 4,398.9               | 4,402.0               | 4,401.5               | 15.5             | 15.3          | -9.00                 | 29.8                                | 223.3        | 190.7                  | 160.0                   | 30.73                     | 6.206              |          |
| 4,500.0                                                                    | 4,498.6               | 4,502.3               | 4,501.9               | 15.8             | 15.6          | -9.25                 | 29.5                                | 223.2        | 183.8                  | 152.3                   | 31.42                     | 5.848              |          |
| 4,600.0                                                                    | 4,598.5               | 4,601.2               | 4,600.8               | 16.2             | 16.0          | -9.35                 | 29.0                                | 223.5        | 178.3                  | 146.2                   | 32.12                     | 5.553              |          |
| 4,700.0                                                                    | 4,698.4               | 4,701.1               | 4,700.7               | 16.5             | 16.3          | -9.28                 | 28.3                                | 224.0        | 175.8                  | 142.9                   | 32.81                     | 5.356              |          |
| 4,752.7                                                                    | 4,751.1               | 4,753.9               | 4,753.5               | 16.7             | 16.5          | -9.19                 | 28.0                                | 224.3        | 175.4                  | 142.2                   | 33.19                     | 5.286              |          |
| 4,766.7                                                                    | 4,765.1               | 4,767.9               | 4,767.5               | 16.8             | 16.6          | 80.84                 | 27.9                                | 224.4        | 175.4                  | 142.1                   | 33.28                     | 5.271              |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #603H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error:        | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|----------|
| Survey Program: 29-MWD                                                     |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error:        | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                           | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor         |          |
| 4,800.0                                                                    | 4,798.4               | 4,800.9               | 4,800.4               | 16.9             | 16.7          | 80.89                 | 27.8                                | 224.5        | 175.6                  | 142.1                   | 33.52                     | 5.238                     |          |
| 4,900.0                                                                    | 4,898.4               | 4,900.1               | 4,899.6               | 17.2             | 17.0          | 81.00                 | 27.6                                | 225.4        | 176.5                  | 142.2                   | 34.23                     | 5.155                     |          |
| 5,000.0                                                                    | 4,998.4               | 5,000.2               | 4,999.7               | 17.6             | 17.4          | 81.20                 | 27.1                                | 226.5        | 177.4                  | 142.5                   | 34.94                     | 5.078                     |          |
| 5,100.0                                                                    | 5,098.4               | 5,100.1               | 5,099.6               | 17.9             | 17.7          | 81.33                 | 26.9                                | 227.5        | 178.4                  | 142.7                   | 35.65                     | 5.003                     |          |
| 5,200.0                                                                    | 5,198.4               | 5,200.1               | 5,199.6               | 18.3             | 18.1          | 81.50                 | 26.5                                | 228.6        | 179.4                  | 143.0                   | 36.36                     | 4.934                     |          |
| 5,300.0                                                                    | 5,298.4               | 5,300.3               | 5,299.9               | 18.7             | 18.4          | 81.67                 | 26.1                                | 229.6        | 180.3                  | 143.2                   | 37.07                     | 4.864                     |          |
| 5,400.0                                                                    | 5,398.4               | 5,400.8               | 5,400.3               | 19.0             | 18.8          | 81.86                 | 25.6                                | 230.4        | 181.1                  | 143.3                   | 37.79                     | 4.792                     |          |
| 5,500.0                                                                    | 5,498.4               | 5,500.2               | 5,499.7               | 19.4             | 19.2          | 82.00                 | 25.3                                | 231.1        | 181.7                  | 143.2                   | 38.50                     | 4.720                     |          |
| 5,600.0                                                                    | 5,598.4               | 5,600.0               | 5,599.6               | 19.7             | 19.5          | 82.02                 | 25.4                                | 232.1        | 182.8                  | 143.6                   | 39.21                     | 4.661                     |          |
| 5,700.0                                                                    | 5,698.4               | 5,707.0               | 5,706.5               | 20.1             | 19.9          | 82.27                 | 24.5                                | 231.6        | 182.1                  | 142.2                   | 39.92                     | 4.563                     |          |
| 5,766.7                                                                    | 5,765.1               | 5,773.4               | 5,772.9               | 20.3             | 20.1          | 82.77                 | 22.7                                | 229.9        | 180.3                  | 139.9                   | 40.39                     | 4.463                     |          |
| 5,800.0                                                                    | 5,798.4               | 5,806.6               | 5,806.0               | 20.4             | 20.2          | -95.41                | 21.9                                | 229.2        | 179.4                  | 138.8                   | 40.62                     | 4.417                     |          |
| 5,900.0                                                                    | 5,898.4               | 5,911.5               | 5,910.7               | 20.8             | 20.6          | -95.20                | 17.5                                | 225.5        | 175.7                  | 134.5                   | 41.26                     | 4.259                     |          |
| 6,000.0                                                                    | 5,998.1               | 6,010.8               | 6,009.8               | 21.1             | 20.9          | -95.76                | 12.0                                | 221.3        | 171.4                  | 129.5                   | 41.94                     | 4.087                     |          |
| 6,100.0                                                                    | 6,097.7               | 6,113.1               | 6,111.7               | 21.4             | 21.3          | -96.98                | 4.5                                 | 216.2        | 166.6                  | 124.0                   | 42.58                     | 3.912                     |          |
| 6,200.0                                                                    | 6,196.8               | 6,215.1               | 6,213.0               | 21.8             | 21.7          | -98.31                | -6.6                                | 210.4        | 161.0                  | 117.7                   | 43.22                     | 3.724                     |          |
| 6,229.5                                                                    | 6,225.9               | 6,245.4               | 6,242.9               | 21.8             | 21.8          | -98.73                | -10.6                               | 208.5        | 159.1                  | 115.7                   | 43.40                     | 3.666                     |          |
| 6,300.0                                                                    | 6,295.5               | 6,317.4               | 6,314.0               | 22.1             | 22.0          | -99.41                | -21.3                               | 203.5        | 154.1                  | 110.3                   | 43.84                     | 3.515                     |          |
| 6,400.0                                                                    | 6,394.2               | 6,417.8               | 6,412.6               | 22.4             | 22.4          | -99.56                | -38.5                               | 196.0        | 146.2                  | 101.7                   | 44.52                     | 3.284                     |          |
| 6,500.0                                                                    | 6,492.9               | 6,517.5               | 6,510.5               | 22.7             | 22.7          | -99.60                | -55.9                               | 188.9        | 138.4                  | 93.2                    | 45.21                     | 3.061                     |          |
| 6,600.0                                                                    | 6,591.6               | 6,619.6               | 6,610.4               | 23.1             | 23.1          | -98.97                | -75.3                               | 180.9        | 129.7                  | 83.8                    | 45.85                     | 2.829                     |          |
| 6,700.0                                                                    | 6,690.3               | 6,721.0               | 6,708.9               | 23.4             | 23.5          | -97.04                | -97.4                               | 171.2        | 118.8                  | 72.3                    | 46.51                     | 2.554                     |          |
| 6,800.0                                                                    | 6,789.0               | 6,820.3               | 6,805.1               | 23.8             | 23.9          | -94.50                | -119.6                              | 161.2        | 107.5                  | 60.2                    | 47.29                     | 2.272                     |          |
| 6,900.0                                                                    | 6,887.7               | 6,919.2               | 6,901.1               | 24.1             | 24.3          | -91.37                | -141.7                              | 151.4        | 96.6                   | 48.5                    | 48.09                     | 2.009                     |          |
| 7,000.0                                                                    | 6,986.4               | 7,018.2               | 6,996.9               | 24.5             | 24.7          | -87.03                | -164.4                              | 141.9        | 86.4                   | 37.5                    | 48.92                     | 1.767                     |          |
| 7,100.0                                                                    | 7,085.1               | 7,117.1               | 7,092.9               | 24.8             | 25.1          | -82.18                | -186.4                              | 132.9        | 77.3                   | 27.5                    | 49.76                     | 1.553                     |          |
| 7,200.0                                                                    | 7,183.8               | 7,217.3               | 7,189.9               | 25.2             | 25.5          | -75.27                | -209.6                              | 123.6        | 68.8                   | 18.2                    | 50.56                     | 1.361 Level 3             |          |
| 7,300.0                                                                    | 7,282.5               | 7,316.5               | 7,285.3               | 25.6             | 25.9          | -63.74                | -234.9                              | 112.3        | 60.7                   | 9.3                     | 51.37                     | 1.181 Level 2             |          |
| 7,400.0                                                                    | 7,381.2               | 7,415.0               | 7,379.6               | 25.9             | 26.3          | -49.07                | -260.6                              | 101.0        | 55.9                   | 3.9                     | 51.95                     | 1.075 Level 2             |          |
| 7,460.6                                                                    | 7,441.0               | 7,474.9               | 7,437.1               | 26.2             | 26.6          | -39.49                | -276.2                              | 94.4         | 55.2                   | 3.0                     | 52.16                     | 1.058 Level 2, CC, ES, SF |          |
| 7,500.0                                                                    | 7,479.8               | 7,514.1               | 7,474.7               | 26.3             | 26.7          | -33.46                | -286.2                              | 90.1         | 55.4                   | 3.2                     | 52.27                     | 1.060 Level 2             |          |
| 7,600.0                                                                    | 7,578.5               | 7,613.8               | 7,570.9               | 26.7             | 27.2          | -19.79                | -310.4                              | 79.8         | 57.9                   | 5.2                     | 52.61                     | 1.100 Level 2             |          |
| 7,700.0                                                                    | 7,677.2               | 7,713.5               | 7,667.5               | 27.0             | 27.6          | -8.77                 | -333.3                              | 70.4         | 62.0                   | 8.9                     | 53.04                     | 1.168 Level 2             |          |
| 7,800.0                                                                    | 7,775.9               | 7,813.9               | 7,765.1               | 27.4             | 28.0          | -0.10                 | -355.2                              | 61.7         | 66.9                   | 13.2                    | 53.68                     | 1.245 Level 2             |          |
| 7,900.0                                                                    | 7,874.6               | 7,913.4               | 7,862.1               | 27.8             | 28.4          | 6.36                  | -376.0                              | 54.2         | 72.0                   | 17.7                    | 54.28                     | 1.327 Level 3             |          |
| 8,000.0                                                                    | 7,973.3               | 8,012.5               | 7,958.6               | 28.2             | 28.9          | 11.75                 | -397.0                              | 46.9         | 78.3                   | 23.5                    | 54.87                     | 1.428 Level 3             |          |
| 8,100.0                                                                    | 8,072.0               | 8,109.2               | 8,052.4               | 28.6             | 29.3          | 16.83                 | -419.2                              | 38.3         | 87.3                   | 32.1                    | 55.21                     | 1.581                     |          |
| 8,200.0                                                                    | 8,170.7               | 8,208.9               | 8,148.6               | 28.9             | 29.7          | 21.28                 | -443.2                              | 28.7         | 98.2                   | 42.2                    | 55.99                     | 1.754                     |          |
| 8,300.0                                                                    | 8,269.4               | 8,311.1               | 8,247.9               | 29.3             | 30.2          | 24.82                 | -466.2                              | 19.7         | 107.7                  | 50.7                    | 57.04                     | 1.888                     |          |
| 8,400.0                                                                    | 8,368.1               | 8,411.1               | 8,345.4               | 29.7             | 30.6          | 27.65                 | -486.9                              | 11.9         | 115.6                  | 57.7                    | 57.84                     | 1.998                     |          |
| 8,500.0                                                                    | 8,466.8               | 8,506.0               | 8,437.4               | 30.1             | 31.1          | 30.53                 | -508.0                              | 2.5          | 125.9                  | 67.7                    | 58.21                     | 2.163                     |          |
| 8,600.0                                                                    | 8,565.5               | 8,604.7               | 8,532.7               | 30.5             | 31.5          | 32.95                 | -531.6                              | -8.1         | 138.6                  | 79.6                    | 58.97                     | 2.351                     |          |
| 8,700.0                                                                    | 8,664.2               | 8,705.6               | 8,630.3               | 30.9             | 32.0          | 34.99                 | -554.8                              | -18.2        | 150.2                  | 90.3                    | 59.89                     | 2.508                     |          |
| 8,800.0                                                                    | 8,762.9               | 8,802.8               | 8,724.2               | 31.3             | 32.5          | 36.73                 | -577.8                              | -28.7        | 163.1                  | 102.5                   | 60.54                     | 2.694                     |          |
| 8,900.0                                                                    | 8,861.6               | 8,904.3               | 8,822.5               | 31.7             | 32.9          | 38.39                 | -600.9                              | -39.2        | 174.9                  | 113.4                   | 61.50                     | 2.844                     |          |
| 9,000.0                                                                    | 8,960.3               | 9,003.4               | 8,918.4               | 32.1             | 33.4          | 39.58                 | -624.0                              | -49.1        | 187.2                  | 124.9                   | 62.29                     | 3.005                     |          |
| 9,100.0                                                                    | 9,059.0               | 9,107.3               | 9,019.3               | 32.5             | 33.9          | 40.78                 | -646.6                              | -58.6        | 197.8                  | 134.5                   | 63.34                     | 3.123                     |          |
| 9,200.0                                                                    | 9,157.7               | 9,207.7               | 9,117.2               | 32.9             | 34.3          | 41.87                 | -667.2                              | -66.9        | 206.9                  | 142.7                   | 64.19                     | 3.223                     |          |
| 9,300.0                                                                    | 9,256.4               | 9,303.1               | 9,210.0               | 33.3             | 34.8          | 42.65                 | -687.7                              | -74.8        | 216.9                  | 152.1                   | 64.79                     | 3.347                     |          |
| 9,400.0                                                                    | 9,355.1               | 9,404.3               | 9,308.0               | 33.7             | 35.3          | 43.17                 | -711.3                              | -83.6        | 228.5                  | 162.9                   | 65.67                     | 3.480                     |          |
| 9,500.0                                                                    | 9,453.8               | 9,505.7               | 9,406.9               | 34.1             | 35.7          | 43.87                 | -732.6                              | -91.5        | 237.8                  | 171.2                   | 66.55                     | 3.573                     |          |
| 9,600.0                                                                    | 9,552.5               | 9,601.3               | 9,500.0               | 34.5             | 36.2          | 45.22                 | -751.2                              | -102.0       | 248.2                  | 181.0                   | 67.22                     | 3.693                     |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #603H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 29-MWD                                                     |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 9,700.0                                                                    | 9,651.2               | 9,698.4               | 9,594.4               | 34.9             | 36.6          | 46.56                 | -770.8                              | -113.8       | 260.1                  | 192.1                   | 67.96                     | 3.827              |          |
| 9,800.0                                                                    | 9,749.9               | 9,800.9               | 9,694.0               | 35.3             | 37.1          | 47.67                 | -791.9                              | -125.6       | 271.9                  | 203.0                   | 68.93                     | 3.945              |          |
| 9,900.0                                                                    | 9,848.6               | 9,903.1               | 9,793.7               | 35.7             | 37.6          | 48.65                 | -812.1                              | -136.1       | 282.4                  | 212.5                   | 69.88                     | 4.041              |          |
| 10,000.0                                                                   | 9,947.3               | 9,999.2               | 9,887.2               | 36.1             | 38.0          | 49.09                 | -832.7                              | -144.5       | 292.8                  | 222.3                   | 70.56                     | 4.150              |          |
| 10,100.0                                                                   | 10,046.0              | 10,100.4              | 9,985.5               | 36.5             | 38.5          | 49.52                 | -854.7                              | -153.9       | 304.0                  | 232.6                   | 71.44                     | 4.256              |          |
| 10,200.0                                                                   | 10,144.7              | 10,210.1              | 10,092.7              | 36.9             | 39.0          | 50.24                 | -876.1                              | -163.4       | 313.2                  | 240.6                   | 72.59                     | 4.315              |          |
| 10,300.0                                                                   | 10,243.4              | 10,329.6              | 10,210.5              | 37.3             | 39.6          | 51.24                 | -894.5                              | -170.3       | 317.5                  | 243.7                   | 73.84                     | 4.300              |          |
| 10,400.0                                                                   | 10,342.1              | 10,443.5              | 10,323.6              | 37.7             | 40.0          | 52.47                 | -906.8                              | -173.2       | 316.4                  | 241.6                   | 74.82                     | 4.228              |          |
| 10,500.0                                                                   | 10,440.8              | 10,551.3              | 10,431.2              | 38.1             | 40.4          | 54.01                 | -914.6                              | -174.2       | 312.0                  | 236.2                   | 75.71                     | 4.120              |          |
| 10,600.0                                                                   | 10,539.5              | 10,652.1              | 10,531.8              | 38.5             | 40.8          | 55.73                 | -919.9                              | -174.6       | 306.1                  | 229.5                   | 76.59                     | 3.996              |          |
| 10,700.0                                                                   | 10,638.2              | 10,753.4              | 10,633.0              | 39.0             | 41.1          | 57.58                 | -925.1                              | -175.1       | 300.6                  | 223.1                   | 77.48                     | 3.879              |          |
| 10,800.0                                                                   | 10,736.9              | 10,853.1              | 10,732.6              | 39.4             | 41.5          | 59.49                 | -929.5                              | -175.0       | 294.4                  | 216.1                   | 78.38                     | 3.756              |          |
| 10,900.0                                                                   | 10,835.6              | 10,949.6              | 10,829.0              | 39.8             | 41.8          | 61.64                 | -933.1                              | -176.0       | 289.3                  | 210.0                   | 79.31                     | 3.648              |          |
| 11,000.0                                                                   | 10,934.3              | 11,048.4              | 10,927.7              | 40.2             | 42.2          | 64.16                 | -936.2                              | -178.3       | 285.4                  | 205.2                   | 80.26                     | 3.556              |          |
| 11,100.0                                                                   | 11,033.0              | 11,150.0              | 11,029.2              | 40.6             | 42.5          | 66.46                 | -940.7                              | -179.5       | 281.7                  | 200.5                   | 81.20                     | 3.469              |          |
| 11,200.0                                                                   | 11,131.7              | 11,252.1              | 11,129.9              | 41.0             | 42.9          | 66.18                 | -956.3                              | -174.2       | 277.1                  | 195.2                   | 81.99                     | 3.380              |          |
| 11,296.2                                                                   | 11,226.6              | 11,335.5              | 11,210.4              | 41.4             | 43.3          | 64.14                 | -977.0                              | -166.9       | 274.0                  | 191.4                   | 82.62                     | 3.316              |          |
| 11,300.0                                                                   | 11,230.4              | 11,338.6              | 11,213.3              | 41.4             | 43.3          | 64.04                 | -977.9                              | -166.7       | 274.0                  | 191.4                   | 82.64                     | 3.316              |          |
| 11,400.0                                                                   | 11,329.1              | 11,417.2              | 11,287.1              | 41.9             | 43.7          | 61.04                 | -1,004.4                            | -162.2       | 278.4                  | 195.6                   | 82.77                     | 3.363              |          |
| 11,500.0                                                                   | 11,427.8              | 11,494.3              | 11,357.5              | 42.3             | 44.1          | 57.54                 | -1,035.8                            | -160.7       | 291.1                  | 208.8                   | 82.29                     | 3.537              |          |
| 11,535.3                                                                   | 11,462.6              | 11,520.8              | 11,380.9              | 42.4             | 44.3          | 56.11                 | -1,048.3                            | -160.3       | 297.6                  | 215.6                   | 81.95                     | 3.631              |          |
| 11,600.0                                                                   | 11,526.5              | 11,566.8              | 11,419.8              | 42.7             | 44.6          | 53.40                 | -1,072.6                            | -159.2       | 312.7                  | 231.8                   | 80.93                     | 3.864              |          |
| 11,700.0                                                                   | 11,625.7              | 11,625.3              | 11,466.2              | 43.1             | 45.0          | 49.55                 | -1,108.2                            | -157.9       | 346.3                  | 268.3                   | 78.08                     | 4.436              |          |
| 11,800.0                                                                   | 11,725.1              | 11,669.0              | 11,498.2              | 43.5             | 45.3          | 46.75                 | -1,138.0                            | -157.5       | 392.8                  | 318.8                   | 73.92                     | 5.313              |          |
| 11,900.0                                                                   | 11,824.8              | 11,714.7              | 11,528.4              | 43.9             | 45.6          | 43.78                 | -1,172.3                            | -156.9       | 450.4                  | 380.1                   | 70.29                     | 6.408              |          |
| 12,000.0                                                                   | 11,924.7              | 11,765.0              | 11,556.7              | 44.2             | 46.0          | 40.38                 | -1,213.8                            | -155.3       | 518.5                  | 450.9                   | 67.64                     | 7.666              |          |
| 12,100.0                                                                   | 12,024.6              | 11,765.0              | 11,556.7              | 44.6             | 46.0          | 41.48                 | -1,213.8                            | -155.3       | 592.9                  | 530.7                   | 62.27                     | 9.522              |          |
| 12,152.4                                                                   | 12,077.0              | 11,786.2              | 11,567.2              | 44.7             | 46.2          | -141.43               | -1,232.2                            | -154.3       | 634.5                  | 573.2                   | 61.32                     | 10.347             |          |
| 12,200.0                                                                   | 12,124.6              | 11,798.3              | 11,572.8              | 44.9             | 46.3          | 30.29                 | -1,242.8                            | -153.6       | 672.4                  | 612.4                   | 60.05                     | 11.197             |          |
| 12,250.0                                                                   | 12,174.2              | 11,811.8              | 11,578.9              | 45.1             | 46.4          | 26.57                 | -1,254.9                            | -152.9       | 710.8                  | 652.1                   | 58.74                     | 12.101             |          |
| 12,300.0                                                                   | 12,223.0              | 11,826.1              | 11,585.0              | 45.3             | 46.5          | 23.54                 | -1,267.8                            | -152.1       | 747.6                  | 690.2                   | 57.44                     | 13.016             |          |
| 12,350.0                                                                   | 12,270.7              | 11,861.0              | 11,598.5              | 45.6             | 46.8          | 20.30                 | -1,299.9                            | -149.8       | 783.2                  | 726.0                   | 57.26                     | 13.679             |          |
| 12,400.0                                                                   | 12,317.0              | 11,861.0              | 11,598.5              | 45.8             | 46.8          | 18.86                 | -1,299.9                            | -149.8       | 815.8                  | 760.7                   | 55.10                     | 14.805             |          |
| 12,450.0                                                                   | 12,361.4              | 11,861.0              | 11,598.5              | 46.1             | 46.8          | 17.61                 | -1,299.9                            | -149.8       | 847.0                  | 794.0                   | 53.00                     | 15.979             |          |
| 12,500.0                                                                   | 12,403.7              | 11,890.3              | 11,608.5              | 46.4             | 47.0          | 15.86                 | -1,327.4                            | -147.8       | 875.6                  | 823.2                   | 52.39                     | 16.712             |          |
| 12,550.0                                                                   | 12,443.5              | 11,908.1              | 11,613.9              | 46.7             | 47.1          | 14.66                 | -1,344.3                            | -146.6       | 902.1                  | 850.9                   | 51.19                     | 17.623             |          |
| 12,600.0                                                                   | 12,480.5              | 11,926.3              | 11,619.0              | 47.1             | 47.3          | 13.66                 | -1,361.7                            | -145.4       | 926.2                  | 876.2                   | 50.01                     | 18.519             |          |
| 12,650.0                                                                   | 12,514.4              | 11,956.0              | 11,626.4              | 47.4             | 47.5          | 12.65                 | -1,390.4                            | -143.5       | 948.0                  | 898.6                   | 49.34                     | 19.212             |          |
| 12,700.0                                                                   | 12,545.0              | 11,956.0              | 11,626.4              | 47.8             | 47.5          | 12.21                 | -1,390.4                            | -143.5       | 967.0                  | 919.5                   | 47.46                     | 20.374             |          |
| 12,750.0                                                                   | 12,572.0              | 11,984.2              | 11,632.3              | 48.1             | 47.8          | 11.51                 | -1,418.0                            | -141.9       | 983.3                  | 936.5                   | 46.76                     | 21.028             |          |
| 12,800.0                                                                   | 12,595.3              | 12,004.7              | 11,635.9              | 48.5             | 48.0          | 11.02                 | -1,438.1                            | -140.9       | 996.9                  | 951.1                   | 45.80                     | 21.765             |          |
| 12,850.0                                                                   | 12,614.6              | 12,025.4              | 11,639.1              | 48.9             | 48.1          | 10.63                 | -1,458.6                            | -140.1       | 1,007.8                | 962.9                   | 44.91                     | 22.438             |          |
| 12,900.0                                                                   | 12,629.8              | 12,052.0              | 11,642.3              | 49.3             | 48.4          | 10.29                 | -1,484.9                            | -139.4       | 1,015.9                | 971.6                   | 44.28                     | 22.944             |          |
| 12,950.0                                                                   | 12,640.8              | 12,081.9              | 11,645.4              | 49.7             | 48.6          | 10.02                 | -1,514.6                            | -138.7       | 1,020.8                | 977.0                   | 43.79                     | 23.311             |          |
| 13,000.0                                                                   | 12,647.6              | 12,122.9              | 11,649.4              | 50.1             | 49.0          | 9.78                  | -1,555.4                            | -137.8       | 1,021.9                | 978.2                   | 43.66                     | 23.407             |          |
| 13,052.4                                                                   | 12,650.0              | 12,161.2              | 11,652.7              | 50.5             | 49.4          | 9.65                  | -1,593.6                            | -137.0       | 1,019.0                | 975.6                   | 43.42                     | 23.467             |          |
| 13,100.0                                                                   | 12,650.0              | 12,190.3              | 11,654.7              | 50.9             | 49.6          | 9.62                  | -1,622.6                            | -136.4       | 1,015.1                | 972.0                   | 43.10                     | 23.552             |          |
| 13,200.0                                                                   | 12,650.0              | 12,257.5              | 11,657.4              | 51.8             | 50.3          | 9.55                  | -1,689.8                            | -135.3       | 1,010.1                | 967.4                   | 42.76                     | 23.622             |          |
| 13,267.5                                                                   | 12,650.0              | 12,330.6              | 11,659.6              | 52.4             | 51.0          | 9.52                  | -1,762.8                            | -134.0       | 1,007.8                | 964.6                   | 43.26                     | 23.298             |          |
| 13,300.0                                                                   | 12,650.0              | 12,374.2              | 11,661.3              | 52.7             | 51.4          | 9.50                  | -1,806.3                            | -133.0       | 1,006.5                | 962.8                   | 43.72                     | 23.022             |          |
| 13,400.0                                                                   | 12,650.0              | 12,495.6              | 11,668.2              | 53.6             | 52.6          | 9.45                  | -1,927.5                            | -130.2       | 1,000.6                | 955.6                   | 44.93                     | 22.269             |          |
| 13,500.0                                                                   | 12,650.0              | 12,592.3              | 11,674.4              | 54.6             | 53.6          | 9.37                  | -2,024.0                            | -127.3       | 993.8                  | 948.3                   | 45.54                     | 21.822             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #603H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 29-MWD                                                     |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 13,600.0                                                                   | 12,650.0              | 12,714.6              | 11,683.0              | 55.6             | 55.0          | 9.28                  | -2,145.9                            | -123.4       | 986.5                  | 939.6                   | 46.91                     | 21.032             |          |
| 13,700.0                                                                   | 12,650.0              | 12,790.0              | 11,689.6              | 56.6             | 55.8          | 9.19                  | -2,221.0                            | -120.4       | 977.7                  | 930.8                   | 46.99                     | 20.807             |          |
| 13,800.0                                                                   | 12,650.0              | 12,856.0              | 11,693.5              | 57.6             | 56.5          | 9.12                  | -2,286.8                            | -118.1       | 972.1                  | 925.1                   | 46.94                     | 20.709             |          |
| 13,900.0                                                                   | 12,650.0              | 12,935.9              | 11,694.0              | 58.7             | 57.4          | 9.06                  | -2,366.7                            | -116.5       | 971.1                  | 923.8                   | 47.33                     | 20.517             |          |
| 14,000.0                                                                   | 12,650.0              | 13,035.0              | 11,694.5              | 59.8             | 58.6          | 8.95                  | -2,465.7                            | -113.9       | 970.3                  | 922.2                   | 48.16                     | 20.146             |          |
| 14,100.0                                                                   | 12,650.0              | 13,219.8              | 11,702.8              | 61.0             | 60.8          | 8.79                  | -2,650.2                            | -108.7       | 965.6                  | 914.4                   | 51.25                     | 18.840             |          |
| 14,200.0                                                                   | 12,650.0              | 13,310.9              | 11,711.2              | 62.1             | 61.9          | 8.70                  | -2,740.9                            | -105.5       | 956.1                  | 904.2                   | 51.95                     | 18.405             |          |
| 14,300.0                                                                   | 12,650.0              | 13,395.2              | 11,717.4              | 63.3             | 63.0          | 8.68                  | -2,824.9                            | -103.6       | 948.6                  | 896.1                   | 52.52                     | 18.062             |          |
| 14,400.0                                                                   | 12,650.0              | 13,481.1              | 11,722.5              | 64.5             | 64.1          | 8.61                  | -2,910.6                            | -101.1       | 942.4                  | 889.3                   | 53.14                     | 17.733             |          |
| 14,500.0                                                                   | 12,650.0              | 13,570.6              | 11,726.7              | 65.7             | 65.2          | 8.69                  | -3,000.0                            | -101.3       | 937.9                  | 883.9                   | 54.02                     | 17.361             |          |
| 14,600.0                                                                   | 12,650.0              | 13,676.3              | 11,731.8              | 67.0             | 66.6          | 8.81                  | -3,105.6                            | -101.8       | 933.3                  | 877.9                   | 55.38                     | 16.852             |          |
| 14,700.0                                                                   | 12,650.0              | 13,768.7              | 11,736.4              | 68.2             | 67.8          | 8.91                  | -3,197.8                            | -102.1       | 928.5                  | 872.1                   | 56.40                     | 16.462             |          |
| 14,800.0                                                                   | 12,650.0              | 13,857.1              | 11,740.0              | 69.5             | 69.0          | 9.22                  | -3,286.1                            | -106.1       | 925.3                  | 867.8                   | 57.53                     | 16.085             |          |
| 14,900.0                                                                   | 12,650.0              | 13,971.2              | 11,744.7              | 70.8             | 70.5          | 9.60                  | -3,400.0                            | -110.8       | 922.0                  | 862.6                   | 59.40                     | 15.523             |          |
| 15,000.0                                                                   | 12,650.0              | 14,071.0              | 11,750.2              | 72.1             | 71.9          | 9.86                  | -3,499.6                            | -113.6       | 917.2                  | 856.4                   | 60.84                     | 15.074             |          |
| 15,100.0                                                                   | 12,650.0              | 14,174.0              | 11,755.2              | 73.4             | 73.3          | 10.18                 | -3,602.4                            | -117.3       | 913.2                  | 850.7                   | 62.45                     | 14.621             |          |
| 15,200.0                                                                   | 12,650.0              | 14,258.2              | 11,759.2              | 74.8             | 74.4          | 10.33                 | -3,686.5                            | -118.4       | 908.9                  | 845.4                   | 63.47                     | 14.321             |          |
| 15,300.0                                                                   | 12,650.0              | 14,343.8              | 11,760.7              | 76.1             | 75.6          | 10.40                 | -3,772.1                            | -118.7       | 907.3                  | 842.8                   | 64.47                     | 14.072             |          |
| 15,400.0                                                                   | 12,650.0              | 14,451.6              | 11,762.4              | 77.5             | 77.1          | 10.33                 | -3,879.9                            | -116.7       | 905.5                  | 839.6                   | 65.90                     | 13.740             |          |
| 15,500.0                                                                   | 12,650.0              | 14,544.0              | 11,763.8              | 78.8             | 78.4          | 10.17                 | -3,972.2                            | -113.2       | 903.4                  | 836.5                   | 66.87                     | 13.510             |          |
| 15,600.0                                                                   | 12,650.0              | 14,698.6              | 11,767.5              | 80.2             | 80.6          | 9.90                  | -4,126.6                            | -107.2       | 901.3                  | 832.0                   | 69.28                     | 13.008             |          |
| 15,700.0                                                                   | 12,650.0              | 14,767.9              | 11,770.4              | 81.6             | 81.6          | 9.70                  | -4,195.7                            | -103.3       | 896.1                  | 826.4                   | 69.66                     | 12.864             |          |
| 15,800.0                                                                   | 12,650.0              | 14,858.2              | 11,772.6              | 83.0             | 82.9          | 9.43                  | -4,285.9                            | -98.1        | 892.8                  | 822.3                   | 70.51                     | 12.662             |          |
| 15,888.7                                                                   | 12,650.0              | 14,921.1              | 11,773.4              | 84.3             | 83.8          | 9.29                  | -4,348.6                            | -95.3        | 891.2                  | 820.3                   | 70.95                     | 12.561             |          |
| 15,900.0                                                                   | 12,650.0              | 14,928.3              | 11,773.4              | 84.4             | 83.9          | 9.28                  | -4,355.9                            | -95.1        | 891.3                  | 820.3                   | 71.00                     | 12.553             |          |
| 16,000.0                                                                   | 12,650.0              | 15,003.6              | 11,771.2              | 85.9             | 85.0          | 9.15                  | -4,431.1                            | -93.0        | 893.6                  | 821.9                   | 71.68                     | 12.466             |          |
| 16,100.0                                                                   | 12,650.0              | 15,106.1              | 11,767.6              | 87.3             | 86.5          | 8.91                  | -4,533.5                            | -89.1        | 896.6                  | 823.8                   | 72.87                     | 12.304             |          |
| 16,200.0                                                                   | 12,650.0              | 15,202.8              | 11,764.7              | 88.7             | 87.9          | 8.94                  | -4,630.1                            | -89.4        | 899.6                  | 825.4                   | 74.20                     | 12.124             |          |
| 16,300.0                                                                   | 12,650.0              | 15,297.0              | 11,761.4              | 90.2             | 89.2          | 9.00                  | -4,724.3                            | -90.3        | 903.4                  | 827.9                   | 75.53                     | 11.960             |          |
| 16,400.0                                                                   | 12,650.0              | 15,395.4              | 11,757.5              | 91.6             | 90.7          | 8.99                  | -4,822.6                            | -90.2        | 907.4                  | 830.5                   | 76.89                     | 11.801             |          |
| 16,500.0                                                                   | 12,650.0              | 15,534.9              | 11,753.4              | 93.1             | 92.8          | 8.99                  | -4,962.0                            | -90.0        | 910.7                  | 831.6                   | 79.18                     | 11.502             |          |
| 16,600.0                                                                   | 12,650.0              | 15,641.5              | 11,754.9              | 94.5             | 94.3          | 9.18                  | -5,068.6                            | -92.2        | 909.8                  | 828.9                   | 80.95                     | 11.239             |          |
| 16,700.0                                                                   | 12,650.0              | 15,749.1              | 11,756.7              | 96.0             | 95.9          | 9.33                  | -5,176.1                            | -93.6        | 908.5                  | 825.8                   | 82.71                     | 10.983             |          |
| 16,800.0                                                                   | 12,650.0              | 15,857.6              | 11,759.3              | 97.5             | 97.6          | 9.41                  | -5,284.5                            | -93.8        | 906.2                  | 821.8                   | 84.44                     | 10.732             |          |
| 16,900.0                                                                   | 12,650.0              | 15,964.1              | 11,762.5              | 99.0             | 99.2          | 9.41                  | -5,391.0                            | -92.5        | 903.2                  | 817.1                   | 86.03                     | 10.498             |          |
| 17,000.0                                                                   | 12,650.0              | 16,064.9              | 11,765.9              | 100.5            | 100.7         | 9.31                  | -5,491.7                            | -89.9        | 899.4                  | 812.0                   | 87.40                     | 10.291             |          |
| 17,100.0                                                                   | 12,650.0              | 16,154.5              | 11,768.6              | 101.9            | 102.1         | 9.32                  | -5,581.3                            | -89.0        | 896.4                  | 807.8                   | 88.63                     | 10.114             |          |
| 17,200.0                                                                   | 12,650.0              | 16,249.6              | 11,770.3              | 103.4            | 103.5         | 9.35                  | -5,676.4                            | -88.5        | 894.7                  | 804.6                   | 90.02                     | 9.938              |          |
| 17,300.0                                                                   | 12,650.0              | 16,364.9              | 11,773.3              | 104.9            | 105.3         | 9.30                  | -5,791.6                            | -86.6        | 891.9                  | 800.1                   | 91.79                     | 9.717              |          |
| 17,400.0                                                                   | 12,650.0              | 16,452.2              | 11,776.1              | 106.5            | 106.6         | 9.21                  | -5,878.8                            | -84.1        | 888.5                  | 795.6                   | 92.87                     | 9.567              |          |
| 17,461.5                                                                   | 12,650.0              | 16,495.3              | 11,776.6              | 107.4            | 107.2         | 9.22                  | -5,921.9                            | -84.0        | 887.8                  | 794.5                   | 93.38                     | 9.507              |          |
| 17,500.0                                                                   | 12,650.0              | 16,530.2              | 11,776.6              | 108.0            | 107.8         | 9.26                  | -5,956.8                            | -84.3        | 888.0                  | 794.0                   | 93.91                     | 9.455              |          |
| 17,600.0                                                                   | 12,650.0              | 16,634.1              | 11,776.5              | 109.5            | 109.4         | 9.29                  | -6,060.7                            | -84.2        | 888.1                  | 792.5                   | 95.53                     | 9.297              |          |
| 17,700.0                                                                   | 12,650.0              | 16,743.0              | 11,776.9              | 111.0            | 111.0         | 9.25                  | -6,169.6                            | -82.9        | 887.7                  | 790.5                   | 97.18                     | 9.135              |          |
| 17,800.0                                                                   | 12,650.0              | 16,851.0              | 11,779.3              | 112.5            | 112.7         | 9.46                  | -6,277.6                            | -85.1        | 885.9                  | 786.8                   | 99.11                     | 8.939              |          |
| 17,900.0                                                                   | 12,650.0              | 16,953.0              | 11,781.8              | 114.1            | 114.3         | 9.64                  | -6,379.5                            | -86.8        | 883.8                  | 783.0                   | 100.88                    | 8.761              |          |
| 18,000.0                                                                   | 12,650.0              | 17,057.3              | 11,784.6              | 115.6            | 115.9         | 9.75                  | -6,483.7                            | -87.5        | 881.4                  | 778.8                   | 102.63                    | 8.588              |          |
| 18,100.0                                                                   | 12,650.0              | 17,175.4              | 11,788.9              | 117.1            | 117.7         | 9.78                  | -6,601.8                            | -86.5        | 877.9                  | 773.3                   | 104.58                    | 8.394              |          |
| 18,200.0                                                                   | 12,650.0              | 17,260.7              | 11,792.3              | 118.7            | 119.1         | 9.82                  | -6,687.0                            | -85.9        | 873.9                  | 768.1                   | 105.83                    | 8.258              |          |
| 18,300.0                                                                   | 12,650.0              | 17,366.0              | 11,795.8              | 120.2            | 120.7         | 9.87                  | -6,792.2                            | -85.5        | 870.7                  | 763.1                   | 107.54                    | 8.096              |          |
| 18,400.0                                                                   | 12,650.0              | 17,476.2              | 11,800.4              | 121.8            | 122.4         | 9.83                  | -6,902.4                            | -83.5        | 866.4                  | 757.1                   | 109.24                    | 7.931              |          |
| 18,500.0                                                                   | 12,650.0              | 17,557.2              | 11,803.0              | 123.3            | 123.7         | 9.77                  | -6,983.2                            | -81.5        | 862.8                  | 752.5                   | 110.28                    | 7.824              |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #603H - Wellbore #1 - Final |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 29-MWD                                                     |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                  |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                      | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 18,600.0                                                                   | 12,650.0              | 17,649.5              | 11,804.8              | 124.9            | 125.1         | 9.65                  | -7,075.5                            | -78.9        | 860.5                  | 749.0                   | 111.49                    | 7.718              |          |
| 18,700.0                                                                   | 12,650.0              | 17,758.2              | 11,806.8              | 126.4            | 126.8         | 9.46                  | -7,184.1                            | -75.0        | 858.2                  | 745.3                   | 112.95                    | 7.598              |          |
| 18,800.0                                                                   | 12,650.0              | 17,858.0              | 11,809.1              | 128.0            | 128.4         | 9.22                  | -7,283.8                            | -70.3        | 855.2                  | 741.1                   | 114.16                    | 7.492              |          |
| 18,900.0                                                                   | 12,650.0              | 17,935.4              | 11,810.1              | 129.5            | 129.6         | 9.16                  | -7,361.2                            | -68.8        | 853.8                  | 738.7                   | 115.11                    | 7.417              |          |
| 19,000.0                                                                   | 12,650.0              | 18,046.4              | 11,811.0              | 131.1            | 131.4         | 9.21                  | -7,472.1                            | -68.8        | 853.1                  | 736.2                   | 116.97                    | 7.294              |          |
| 19,100.0                                                                   | 12,650.0              | 18,156.1              | 11,812.8              | 132.6            | 133.1         | 9.16                  | -7,581.9                            | -66.9        | 851.3                  | 732.6                   | 118.64                    | 7.175              |          |
| 19,200.0                                                                   | 12,650.0              | 18,271.6              | 11,817.5              | 134.2            | 134.9         | 9.37                  | -7,697.2                            | -68.6        | 847.6                  | 726.8                   | 120.80                    | 7.016              |          |
| 19,300.0                                                                   | 12,650.0              | 18,362.2              | 11,822.0              | 135.8            | 136.3         | 9.59                  | -7,787.6                            | -70.7        | 843.2                  | 720.8                   | 122.48                    | 6.885              |          |
| 19,400.0                                                                   | 12,650.0              | 18,439.7              | 11,824.2              | 137.3            | 137.6         | 9.95                  | -7,865.0                            | -75.2        | 841.4                  | 717.3                   | 124.09                    | 6.781              |          |
| 19,441.2                                                                   | 12,650.0              | 18,475.9              | 11,824.8              | 138.0            | 138.1         | 10.14                 | -7,901.1                            | -77.7        | 841.3                  | 716.4                   | 124.91                    | 6.735              |          |
| 19,500.0                                                                   | 12,650.0              | 18,529.5              | 11,825.3              | 138.9            | 139.0         | 10.42                 | -7,954.6                            | -81.4        | 841.6                  | 715.4                   | 126.15                    | 6.671              |          |
| 19,600.0                                                                   | 12,650.0              | 18,635.8              | 11,826.3              | 140.5            | 140.6         | 10.93                 | -8,060.6                            | -88.2        | 842.0                  | 713.3                   | 128.69                    | 6.543              |          |
| 19,700.0                                                                   | 12,650.0              | 18,742.0              | 11,828.4              | 142.1            | 142.3         | 11.36                 | -8,166.7                            | -93.6        | 841.1                  | 709.9                   | 131.15                    | 6.413              |          |
| 19,742.2                                                                   | 12,650.0              | 18,777.6              | 11,829.0              | 142.7            | 142.9         | 11.50                 | -8,202.2                            | -95.4        | 840.9                  | 709.0                   | 131.93                    | 6.374              |          |
| 19,800.0                                                                   | 12,650.0              | 18,831.1              | 11,829.4              | 143.6            | 143.7         | 11.71                 | -8,255.7                            | -98.1        | 841.1                  | 708.0                   | 133.13                    | 6.318              |          |
| 19,900.0                                                                   | 12,650.0              | 18,934.6              | 11,830.0              | 145.2            | 145.3         | 12.06                 | -8,359.1                            | -102.5       | 841.5                  | 706.1                   | 135.43                    | 6.214              |          |
| 20,000.0                                                                   | 12,650.0              | 19,040.6              | 11,831.2              | 146.8            | 147.0         | 12.34                 | -8,465.0                            | -105.9       | 841.3                  | 703.6                   | 137.70                    | 6.109              |          |
| 20,100.0                                                                   | 12,650.0              | 19,147.3              | 11,832.8              | 148.4            | 148.7         | 12.55                 | -8,571.7                            | -107.9       | 840.3                  | 700.5                   | 139.84                    | 6.009              |          |
| 20,200.0                                                                   | 12,650.0              | 19,261.5              | 11,835.5              | 150.0            | 150.5         | 12.67                 | -8,685.8                            | -108.4       | 838.2                  | 696.3                   | 141.96                    | 5.905              |          |
| 20,300.0                                                                   | 12,650.0              | 19,372.4              | 11,839.6              | 151.6            | 152.3         | 12.66                 | -8,796.7                            | -106.7       | 834.4                  | 690.7                   | 143.76                    | 5.804              |          |
| 20,400.0                                                                   | 12,650.0              | 19,448.3              | 11,841.8              | 153.2            | 153.5         | 12.63                 | -8,872.5                            | -105.3       | 831.4                  | 686.5                   | 144.88                    | 5.739              |          |
| 20,489.8                                                                   | 12,650.0              | 19,525.7              | 11,842.0              | 154.6            | 154.8         | 12.60                 | -8,949.9                            | -104.3       | 831.0                  | 684.9                   | 146.02                    | 5.691              |          |
| 20,500.0                                                                   | 12,650.0              | 19,535.4              | 11,842.0              | 154.7            | 154.9         | 12.59                 | -8,959.6                            | -104.1       | 831.0                  | 684.8                   | 146.16                    | 5.685              |          |
| 20,600.0                                                                   | 12,650.0              | 19,635.2              | 11,841.5              | 156.3            | 156.5         | 12.48                 | -9,059.4                            | -101.9       | 831.2                  | 683.6                   | 147.55                    | 5.633              |          |
| 20,700.0                                                                   | 12,650.0              | 19,750.4              | 11,841.3              | 157.9            | 158.3         | 12.18                 | -9,174.4                            | -97.0        | 830.6                  | 681.7                   | 148.89                    | 5.578              |          |
| 20,800.0                                                                   | 12,650.0              | 19,839.5              | 11,841.6              | 159.5            | 159.8         | 11.91                 | -9,263.5                            | -92.3        | 829.3                  | 679.6                   | 149.74                    | 5.538              |          |
| 20,900.0                                                                   | 12,650.0              | 19,945.5              | 11,841.3              | 161.1            | 161.5         | 11.66                 | -9,369.3                            | -87.9        | 828.8                  | 677.8                   | 150.97                    | 5.490              |          |
| 20,964.3                                                                   | 12,650.0              | 20,000.5              | 11,841.3              | 162.1            | 162.4         | 11.51                 | -9,424.3                            | -85.5        | 828.4                  | 676.8                   | 151.53                    | 5.467              |          |
| 21,000.0                                                                   | 12,650.0              | 20,029.9              | 11,841.1              | 162.7            | 162.8         | 11.47                 | -9,453.6                            | -84.8        | 828.5                  | 676.6                   | 151.89                    | 5.455              |          |
| 21,100.0                                                                   | 12,650.0              | 20,124.2              | 11,839.7              | 164.3            | 164.3         | 11.42                 | -9,548.0                            | -83.6        | 829.8                  | 676.5                   | 153.26                    | 5.414              |          |
| 21,200.0                                                                   | 12,650.0              | 20,245.4              | 11,839.0              | 165.9            | 166.3         | 11.33                 | -9,669.2                            | -81.8        | 830.3                  | 675.1                   | 155.16                    | 5.351              |          |
| 21,300.0                                                                   | 12,650.0              | 20,351.3              | 11,840.6              | 167.5            | 168.0         | 11.27                 | -9,775.0                            | -79.9        | 828.5                  | 671.8                   | 156.77                    | 5.285              |          |
| 21,376.6                                                                   | 12,650.0              | 20,412.9              | 11,841.1              | 168.7            | 169.0         | 11.28                 | -9,836.6                            | -79.5        | 827.8                  | 670.1                   | 157.71                    | 5.249              |          |
| 21,400.0                                                                   | 12,650.0              | 20,432.0              | 11,841.1              | 169.1            | 169.3         | 11.30                 | -9,855.7                            | -79.7        | 827.9                  | 669.9                   | 158.04                    | 5.239              |          |
| 21,500.0                                                                   | 12,650.0              | 20,553.7              | 11,843.0              | 170.7            | 171.2         | 11.45                 | -9,977.4                            | -80.8        | 826.7                  | 666.3                   | 160.40                    | 5.154              |          |
| 21,600.0                                                                   | 12,650.0              | 20,646.2              | 11,844.7              | 172.3            | 172.7         | 11.53                 | -10,069.9                           | -81.0        | 825.0                  | 662.9                   | 162.04                    | 5.091              |          |
| 21,700.0                                                                   | 12,650.0              | 20,740.2              | 11,845.6              | 173.9            | 174.2         | 11.62                 | -10,163.9                           | -81.6        | 824.3                  | 660.6                   | 163.73                    | 5.035              |          |
| 21,800.0                                                                   | 12,650.0              | 20,842.8              | 11,846.5              | 175.5            | 175.9         | 11.64                 | -10,266.5                           | -81.1        | 823.5                  | 658.0                   | 165.45                    | 4.977              |          |
| 21,871.6                                                                   | 12,650.0              | 20,907.9              | 11,846.7              | 176.7            | 176.9         | 11.62                 | -10,331.6                           | -80.3        | 823.2                  | 656.8                   | 166.43                    | 4.946              |          |
| 21,900.0                                                                   | 12,650.0              | 20,930.6              | 11,846.6              | 177.1            | 177.3         | 11.61                 | -10,354.3                           | -80.1        | 823.3                  | 656.5                   | 166.75                    | 4.937              |          |
| 22,000.0                                                                   | 12,650.0              | 21,008.5              | 11,845.1              | 178.7            | 178.6         | 11.62                 | -10,432.2                           | -80.1        | 825.3                  | 657.5                   | 167.87                    | 4.917              |          |
| 22,100.0                                                                   | 12,650.0              | 21,116.6              | 11,842.0              | 180.3            | 180.3         | 11.62                 | -10,540.2                           | -80.0        | 828.2                  | 658.5                   | 169.68                    | 4.881              |          |
| 22,200.0                                                                   | 12,650.0              | 21,218.4              | 11,839.3              | 182.0            | 181.9         | 11.53                 | -10,642.0                           | -78.6        | 830.6                  | 659.5                   | 171.16                    | 4.853              |          |
| 22,300.0                                                                   | 12,650.0              | 21,328.3              | 11,837.1              | 183.6            | 183.7         | 11.36                 | -10,751.8                           | -75.8        | 832.2                  | 659.6                   | 172.64                    | 4.821              |          |
| 22,400.0                                                                   | 12,650.0              | 21,439.8              | 11,835.9              | 185.2            | 185.5         | 11.06                 | -10,863.1                           | -71.0        | 832.5                  | 658.7                   | 173.86                    | 4.788              |          |
| 22,500.0                                                                   | 12,650.0              | 21,550.5              | 11,836.0              | 186.8            | 187.3         | 10.65                 | -10,973.6                           | -64.3        | 831.5                  | 656.6                   | 174.84                    | 4.756              |          |
| 22,600.0                                                                   | 12,650.0              | 21,679.6              | 11,838.3              | 188.4            | 189.4         | 10.04                 | -11,102.3                           | -54.0        | 828.4                  | 652.7                   | 175.68                    | 4.715              |          |
| 22,700.0                                                                   | 12,650.0              | 21,791.1              | 11,843.0              | 190.0            | 191.2         | 9.38                  | -11,213.2                           | -42.9        | 822.7                  | 646.6                   | 176.16                    | 4.670              |          |
| 22,800.0                                                                   | 12,650.0              | 21,906.0              | 11,849.8              | 191.6            | 193.1         | 8.57                  | -11,327.0                           | -29.4        | 815.0                  | 638.6                   | 176.45                    | 4.619              |          |
| 22,882.2                                                                   | 12,650.0              | 21,921.0              | 11,850.8              | 193.0            | 193.3         | 8.45                  | -11,341.9                           | -27.6        | 811.0                  | 634.6                   | 176.42                    | 4.597              |          |
| 22,884.1                                                                   | 12,650.0              | 21,921.0              | 11,850.8              | 193.0            | 193.3         | 8.45                  | -11,341.9                           | -27.6        | 811.0                  | 634.6                   | 176.41                    | 4.597              |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #702H - Wellbore #1 - BLM Plan #1 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-MWD                                                            |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 0.0                                                                              | 0.0                   | 6.0                   | -6.0                  | 0.0              | 0.0           | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                |                         |                           |                    |          |
| 100.0                                                                            | 100.0                 | 106.0                 | 94.0                  | 0.1              | 0.1           | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,687.1                 | 0.28                      | 6,073.765          |          |
| 200.0                                                                            | 200.0                 | 206.0                 | 194.0                 | 0.5              | 0.5           | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,686.4                 | 0.99                      | 1,696.278          |          |
| 300.0                                                                            | 300.0                 | 306.0                 | 294.0                 | 0.8              | 0.9           | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,685.7                 | 1.71                      | 985.795            |          |
| 400.0                                                                            | 400.0                 | 406.0                 | 394.0                 | 1.2              | 1.2           | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,685.0                 | 2.43                      | 694.786            |          |
| 500.0                                                                            | 500.0                 | 506.0                 | 494.0                 | 1.6              | 1.6           | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,684.2                 | 3.15                      | 536.430            |          |
| 600.0                                                                            | 600.0                 | 606.0                 | 594.0                 | 1.9              | 1.9           | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,683.5                 | 3.86                      | 436.861            |          |
| 700.0                                                                            | 700.0                 | 706.0                 | 694.0                 | 2.3              | 2.3           | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,682.8                 | 4.58                      | 368.468            |          |
| 800.0                                                                            | 800.0                 | 806.0                 | 794.0                 | 2.6              | 2.7           | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,682.1                 | 5.30                      | 318.590            |          |
| 900.0                                                                            | 900.0                 | 906.0                 | 894.0                 | 3.0              | 3.0           | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,681.4                 | 6.01                      | 280.606            |          |
| 1,000.0                                                                          | 1,000.0               | 1,006.0               | 994.0                 | 3.4              | 3.4           | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,680.7                 | 6.73                      | 250.715            |          |
| 1,100.0                                                                          | 1,100.0               | 1,106.0               | 1,094.0               | 3.7              | 3.7           | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,679.9                 | 7.45                      | 226.579            |          |
| 1,200.0                                                                          | 1,200.0               | 1,206.0               | 1,194.0               | 4.1              | 4.1           | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,679.2                 | 8.16                      | 206.682            |          |
| 1,300.0                                                                          | 1,300.0               | 1,306.0               | 1,294.0               | 4.4              | 4.5           | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,678.5                 | 8.88                      | 189.997            |          |
| 1,400.0                                                                          | 1,400.0               | 1,406.0               | 1,394.0               | 4.8              | 4.8           | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,677.8                 | 9.60                      | 175.805            |          |
| 1,500.0                                                                          | 1,500.0               | 1,506.0               | 1,494.0               | 5.1              | 5.2           | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,677.1                 | 10.32                     | 163.586            |          |
| 1,600.0                                                                          | 1,600.0               | 1,606.0               | 1,594.0               | 5.5              | 5.5           | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,676.4                 | 11.03                     | 152.954            |          |
| 1,700.0                                                                          | 1,700.0               | 1,706.0               | 1,694.0               | 5.9              | 5.9           | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,675.6                 | 11.75                     | 143.621            |          |
| 1,800.0                                                                          | 1,800.0               | 1,806.0               | 1,794.0               | 6.2              | 6.2           | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,674.9                 | 12.47                     | 135.361            |          |
| 1,900.0                                                                          | 1,900.0               | 1,906.0               | 1,894.0               | 6.6              | 6.6           | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,674.2                 | 13.18                     | 127.999            |          |
| 2,000.0                                                                          | 2,000.0               | 2,006.0               | 1,994.0               | 6.9              | 7.0           | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,673.5                 | 13.90                     | 121.397            |          |
| 2,100.0                                                                          | 2,100.0               | 2,106.0               | 2,094.0               | 7.3              | 7.3           | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,672.8                 | 14.62                     | 115.443            |          |
| 2,200.0                                                                          | 2,200.0               | 2,206.0               | 2,194.0               | 7.7              | 7.7           | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,672.1                 | 15.33                     | 110.045            |          |
| 2,300.0                                                                          | 2,300.0               | 2,306.0               | 2,294.0               | 8.0              | 8.0           | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,671.3                 | 16.05                     | 105.130            |          |
| 2,400.0                                                                          | 2,400.0               | 2,406.0               | 2,394.0               | 8.4              | 8.4           | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,670.6                 | 16.77                     | 100.634            |          |
| 2,500.0                                                                          | 2,500.0               | 2,506.0               | 2,494.0               | 8.7              | 8.8           | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,669.9                 | 17.48                     | 96.508             |          |
| 2,600.0                                                                          | 2,600.0               | 2,606.0               | 2,594.0               | 9.1              | 9.1           | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,669.2                 | 18.20                     | 92.707             |          |
| 2,700.0                                                                          | 2,700.0               | 2,706.0               | 2,694.0               | 9.4              | 9.5           | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,668.5                 | 18.92                     | 89.193             |          |
| 2,800.0                                                                          | 2,800.0               | 2,806.0               | 2,794.0               | 9.8              | 9.8           | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,667.8                 | 19.64                     | 85.937             |          |
| 2,900.0                                                                          | 2,900.0               | 2,906.0               | 2,894.0               | 10.2             | 10.2          | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,667.0                 | 20.35                     | 82.909             |          |
| 3,000.0                                                                          | 3,000.0               | 3,006.0               | 2,994.0               | 10.5             | 10.5          | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,666.3                 | 21.07                     | 80.088             |          |
| 3,100.0                                                                          | 3,100.0               | 3,106.0               | 3,094.0               | 10.9             | 10.9          | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,665.6                 | 21.79                     | 77.452             |          |
| 3,200.0                                                                          | 3,200.0               | 3,206.0               | 3,194.0               | 11.2             | 11.3          | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,664.9                 | 22.50                     | 74.985             |          |
| 3,300.0                                                                          | 3,300.0               | 3,306.0               | 3,294.0               | 11.6             | 11.6          | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,664.2                 | 23.22                     | 72.670             |          |
| 3,400.0                                                                          | 3,400.0               | 3,406.0               | 3,394.0               | 12.0             | 12.0          | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,663.5                 | 23.94                     | 70.493             |          |
| 3,500.0                                                                          | 3,500.0               | 3,506.0               | 3,494.0               | 12.3             | 12.3          | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,662.7                 | 24.65                     | 68.443             |          |
| 3,600.0                                                                          | 3,600.0               | 3,606.0               | 3,594.0               | 12.7             | 12.7          | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,662.0                 | 25.37                     | 66.509             |          |
| 3,700.0                                                                          | 3,700.0               | 3,706.0               | 3,694.0               | 13.0             | 13.1          | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,661.3                 | 26.09                     | 64.681             |          |
| 3,800.0                                                                          | 3,800.0               | 3,806.0               | 3,794.0               | 13.4             | 13.4          | 86.27                 | 109.9                               | 1,683.8      | 1,687.4                | 1,660.6                 | 26.80                     | 62.951             |          |
| 3,900.0                                                                          | 3,900.0               | 3,906.0               | 3,894.0               | 13.7             | 13.8          | -3.74                 | 109.9                               | 1,683.8      | 1,685.6                | 1,658.1                 | 27.51                     | 61.268             |          |
| 4,000.0                                                                          | 3,999.8               | 4,006.2               | 3,993.8               | 14.1             | 14.1          | -3.76                 | 109.9                               | 1,683.8      | 1,680.4                | 1,652.2                 | 28.21                     | 59.564             |          |
| 4,100.0                                                                          | 4,099.6               | 4,106.4               | 4,093.6               | 14.4             | 14.5          | -3.77                 | 109.9                               | 1,683.8      | 1,673.5                | 1,644.6                 | 28.91                     | 57.881             |          |
| 4,200.0                                                                          | 4,199.4               | 4,206.6               | 4,193.4               | 14.8             | 14.8          | -3.79                 | 109.9                               | 1,683.8      | 1,666.5                | 1,636.9                 | 29.61                     | 56.276             |          |
| 4,300.0                                                                          | 4,299.1               | 4,306.9               | 4,293.1               | 15.1             | 15.2          | -3.81                 | 109.9                               | 1,683.8      | 1,659.5                | 1,629.2                 | 30.31                     | 54.744             |          |
| 4,400.0                                                                          | 4,398.9               | 4,407.1               | 4,392.9               | 15.5             | 15.6          | -3.82                 | 109.9                               | 1,683.8      | 1,652.6                | 1,621.6                 | 31.02                     | 53.280             |          |
| 4,500.0                                                                          | 4,498.6               | 4,507.4               | 4,492.6               | 15.8             | 15.9          | -3.84                 | 109.9                               | 1,683.8      | 1,645.6                | 1,613.9                 | 31.72                     | 51.879             |          |
| 4,600.0                                                                          | 4,598.5               | 4,607.5               | 4,592.5               | 16.2             | 16.3          | -3.84                 | 109.9                               | 1,683.8      | 1,640.0                | 1,607.5                 | 32.42                     | 50.579             |          |
| 4,700.0                                                                          | 4,698.4               | 4,707.6               | 4,692.4               | 16.5             | 16.6          | -3.85                 | 109.9                               | 1,683.8      | 1,636.9                | 1,603.8                 | 33.13                     | 49.411             |          |
| 4,766.7                                                                          | 4,765.1               | 4,759.1               | 4,759.1               | 16.8             | 16.8          | 86.15                 | 109.9                               | 1,683.8      | 1,636.3                | 1,602.8                 | 33.55                     | 48.777             |          |
| 4,800.0                                                                          | 4,798.4               | 4,807.6               | 4,792.4               | 16.9             | 17.0          | 86.15                 | 109.9                               | 1,683.8      | 1,636.3                | 1,602.5                 | 33.84                     | 48.354             |          |
| 4,900.0                                                                          | 4,898.4               | 4,907.6               | 4,892.4               | 17.2             | 17.4          | 86.15                 | 109.9                               | 1,683.8      | 1,636.3                | 1,601.8                 | 34.56                     | 47.352             |          |
| 5,000.0                                                                          | 4,998.4               | 4,992.4               | 4,992.4               | 17.6             | 17.7          | 86.15                 | 109.9                               | 1,683.8      | 1,636.3                | 1,601.1                 | 35.22                     | 46.462             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #702H - Wellbore #1 - BLM Plan #1 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-MWD                                                            |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 5,100.0                                                                          | 5,098.4               | 5,117.1               | 5,117.1               | 17.9             | 18.1          | 86.23                 | 107.6                               | 1,683.1      | 1,635.6                | 1,599.6                 | 35.99                     | 45.444             |          |
| 5,200.0                                                                          | 5,198.4               | 5,243.5               | 5,243.2               | 18.3             | 18.5          | 86.49                 | 100.0                               | 1,680.6      | 1,633.3                | 1,596.6                 | 36.74                     | 44.455             |          |
| 5,300.0                                                                          | 5,298.4               | 5,368.8               | 5,367.8               | 18.7             | 18.9          | 86.93                 | 87.3                                | 1,676.5      | 1,629.4                | 1,592.0                 | 37.48                     | 43.475             |          |
| 5,400.0                                                                          | 5,398.4               | 5,488.0               | 5,485.6               | 19.0             | 19.3          | 87.51                 | 70.5                                | 1,671.1      | 1,624.1                | 1,585.9                 | 38.20                     | 42.514             |          |
| 5,500.0                                                                          | 5,498.4               | 5,586.7               | 5,583.0               | 19.4             | 19.6          | 88.04                 | 55.2                                | 1,666.1      | 1,618.5                | 1,579.6                 | 38.89                     | 41.617             |          |
| 5,600.0                                                                          | 5,598.4               | 5,685.3               | 5,680.3               | 19.7             | 20.0          | 88.58                 | 39.9                                | 1,661.2      | 1,612.9                | 1,573.4                 | 39.58                     | 40.752             |          |
| 5,700.0                                                                          | 5,698.4               | 5,784.0               | 5,777.7               | 20.1             | 20.3          | 89.12                 | 24.6                                | 1,656.3      | 1,607.6                | 1,567.3                 | 40.27                     | 39.915             |          |
| 5,766.7                                                                          | 5,765.1               | 5,849.8               | 5,842.6               | 20.3             | 20.5          | 89.49                 | 14.4                                | 1,653.0      | 1,604.1                | 1,563.3                 | 40.74                     | 39.373             |          |
| 5,800.0                                                                          | 5,798.4               | 5,882.7               | 5,875.1               | 20.4             | 20.6          | -88.70                | 9.3                                 | 1,651.3      | 1,602.3                | 1,561.4                 | 40.97                     | 39.112             |          |
| 5,900.0                                                                          | 5,898.4               | 5,981.7               | 5,972.8               | 20.8             | 21.0          | -88.35                | -6.1                                | 1,646.4      | 1,597.2                | 1,555.5                 | 41.64                     | 38.357             |          |
| 6,000.0                                                                          | 5,998.1               | 6,081.2               | 6,070.9               | 21.1             | 21.3          | -88.13                | -21.5                               | 1,641.4      | 1,592.0                | 1,549.6                 | 42.32                     | 37.621             |          |
| 6,100.0                                                                          | 6,097.7               | 6,180.9               | 6,169.3               | 21.4             | 21.7          | -88.03                | -36.9                               | 1,636.4      | 1,586.7                | 1,543.7                 | 43.00                     | 36.904             |          |
| 6,200.0                                                                          | 6,196.8               | 6,280.7               | 6,267.8               | 21.8             | 22.0          | -88.06                | -52.4                               | 1,631.4      | 1,581.3                | 1,537.6                 | 43.68                     | 36.202             |          |
| 6,229.5                                                                          | 6,225.9               | 6,310.1               | 6,296.8               | 21.8             | 22.1          | -88.09                | -57.0                               | 1,629.9      | 1,579.7                | 1,535.8                 | 43.88                     | 35.999             |          |
| 6,300.0                                                                          | 6,295.5               | 6,380.5               | 6,366.3               | 22.1             | 22.4          | -88.10                | -67.9                               | 1,626.4      | 1,575.8                | 1,531.5                 | 44.37                     | 35.517             |          |
| 6,400.0                                                                          | 6,394.2               | 6,480.4               | 6,464.8               | 22.4             | 22.8          | -88.12                | -83.3                               | 1,621.4      | 1,570.3                | 1,525.3                 | 45.06                     | 34.846             |          |
| 6,500.0                                                                          | 6,492.9               | 6,580.2               | 6,563.3               | 22.7             | 23.1          | -88.14                | -98.8                               | 1,616.4      | 1,564.9                | 1,519.1                 | 45.77                     | 34.192             |          |
| 6,600.0                                                                          | 6,591.6               | 6,680.1               | 6,661.8               | 23.1             | 23.5          | -88.16                | -114.3                              | 1,611.4      | 1,559.4                | 1,512.9                 | 46.48                     | 33.552             |          |
| 6,700.0                                                                          | 6,690.3               | 6,779.9               | 6,760.3               | 23.4             | 23.9          | -88.18                | -129.8                              | 1,606.4      | 1,553.9                | 1,506.7                 | 47.19                     | 32.928             |          |
| 6,800.0                                                                          | 6,789.0               | 6,879.8               | 6,858.9               | 23.8             | 24.2          | -88.20                | -145.3                              | 1,601.4      | 1,548.4                | 1,500.5                 | 47.91                     | 32.319             |          |
| 6,900.0                                                                          | 6,887.7               | 6,979.6               | 6,957.4               | 24.1             | 24.6          | -88.22                | -160.7                              | 1,596.4      | 1,543.0                | 1,494.3                 | 48.64                     | 31.724             |          |
| 7,000.0                                                                          | 6,986.4               | 7,079.5               | 7,055.9               | 24.5             | 25.0          | -88.25                | -176.2                              | 1,591.4      | 1,537.5                | 1,488.1                 | 49.37                     | 31.143             |          |
| 7,100.0                                                                          | 7,085.1               | 7,179.3               | 7,154.4               | 24.8             | 25.4          | -88.27                | -191.7                              | 1,586.4      | 1,532.0                | 1,481.9                 | 50.10                     | 30.576             |          |
| 7,200.0                                                                          | 7,183.8               | 7,279.2               | 7,252.9               | 25.2             | 25.8          | -88.29                | -207.2                              | 1,581.4      | 1,526.5                | 1,475.7                 | 50.85                     | 30.023             |          |
| 7,300.0                                                                          | 7,282.5               | 7,379.0               | 7,351.4               | 25.6             | 26.1          | -88.31                | -222.6                              | 1,576.4      | 1,521.1                | 1,469.5                 | 51.59                     | 29.484             |          |
| 7,400.0                                                                          | 7,381.2               | 7,478.9               | 7,449.9               | 25.9             | 26.5          | -88.33                | -238.1                              | 1,571.5      | 1,515.6                | 1,463.3                 | 52.34                     | 28.957             |          |
| 7,500.0                                                                          | 7,479.8               | 7,578.7               | 7,548.5               | 26.3             | 26.9          | -88.35                | -253.6                              | 1,566.5      | 1,510.1                | 1,457.0                 | 53.09                     | 28.443             |          |
| 7,600.0                                                                          | 7,578.5               | 7,678.6               | 7,647.0               | 26.7             | 27.3          | -88.37                | -269.1                              | 1,561.5      | 1,504.6                | 1,450.8                 | 53.85                     | 27.941             |          |
| 7,700.0                                                                          | 7,677.2               | 7,778.4               | 7,745.5               | 27.0             | 27.7          | -88.39                | -284.5                              | 1,556.5      | 1,499.2                | 1,444.6                 | 54.61                     | 27.451             |          |
| 7,800.0                                                                          | 7,775.9               | 7,878.3               | 7,844.0               | 27.4             | 28.1          | -88.42                | -300.0                              | 1,551.5      | 1,493.7                | 1,438.3                 | 55.38                     | 26.973             |          |
| 7,900.0                                                                          | 7,874.6               | 7,978.1               | 7,942.5               | 27.8             | 28.5          | -88.44                | -315.5                              | 1,546.5      | 1,488.2                | 1,432.1                 | 56.15                     | 26.506             |          |
| 8,000.0                                                                          | 7,973.3               | 8,078.0               | 8,041.0               | 28.2             | 28.9          | -88.46                | -331.0                              | 1,541.5      | 1,482.7                | 1,425.8                 | 56.92                     | 26.050             |          |
| 8,100.0                                                                          | 8,072.0               | 8,177.8               | 8,139.6               | 28.6             | 29.3          | -88.48                | -346.4                              | 1,536.5      | 1,477.3                | 1,419.6                 | 57.69                     | 25.605             |          |
| 8,200.0                                                                          | 8,170.7               | 8,277.7               | 8,238.1               | 28.9             | 29.7          | -88.51                | -361.9                              | 1,531.5      | 1,471.8                | 1,413.3                 | 58.47                     | 25.171             |          |
| 8,300.0                                                                          | 8,269.4               | 8,377.5               | 8,336.6               | 29.3             | 30.1          | -88.53                | -377.4                              | 1,526.5      | 1,466.3                | 1,407.1                 | 59.25                     | 24.747             |          |
| 8,400.0                                                                          | 8,368.1               | 8,477.4               | 8,435.1               | 29.7             | 30.5          | -88.55                | -392.9                              | 1,521.5      | 1,460.9                | 1,400.8                 | 60.04                     | 24.332             |          |
| 8,500.0                                                                          | 8,466.8               | 8,577.2               | 8,533.6               | 30.1             | 30.9          | -88.57                | -408.3                              | 1,516.5      | 1,455.4                | 1,394.6                 | 60.82                     | 23.928             |          |
| 8,600.0                                                                          | 8,565.5               | 8,677.1               | 8,632.1               | 30.5             | 31.3          | -88.60                | -423.8                              | 1,511.5      | 1,449.9                | 1,388.3                 | 61.61                     | 23.532             |          |
| 8,700.0                                                                          | 8,664.2               | 8,776.9               | 8,730.6               | 30.9             | 31.7          | -88.62                | -439.3                              | 1,506.5      | 1,444.4                | 1,382.0                 | 62.41                     | 23.146             |          |
| 8,800.0                                                                          | 8,762.9               | 8,876.8               | 8,829.2               | 31.3             | 32.1          | -88.64                | -454.8                              | 1,501.5      | 1,439.0                | 1,375.8                 | 63.20                     | 22.768             |          |
| 8,900.0                                                                          | 8,861.6               | 8,976.6               | 8,927.7               | 31.7             | 32.5          | -88.67                | -470.2                              | 1,496.5      | 1,433.5                | 1,369.5                 | 64.00                     | 22.400             |          |
| 9,000.0                                                                          | 8,960.3               | 9,076.5               | 9,026.2               | 32.1             | 32.9          | -88.69                | -485.7                              | 1,491.5      | 1,428.0                | 1,363.2                 | 64.80                     | 22.039             |          |
| 9,100.0                                                                          | 9,059.0               | 9,176.3               | 9,124.7               | 32.5             | 33.3          | -88.72                | -501.2                              | 1,486.5      | 1,422.6                | 1,357.0                 | 65.60                     | 21.686             |          |
| 9,200.0                                                                          | 9,157.7               | 9,276.1               | 9,223.2               | 32.9             | 33.8          | -88.74                | -516.7                              | 1,481.5      | 1,417.1                | 1,350.7                 | 66.40                     | 21.342             |          |
| 9,300.0                                                                          | 9,256.4               | 9,376.0               | 9,321.7               | 33.3             | 34.2          | -88.76                | -532.1                              | 1,476.5      | 1,411.6                | 1,344.4                 | 67.21                     | 21.004             |          |
| 9,400.0                                                                          | 9,355.1               | 9,475.8               | 9,420.3               | 33.7             | 34.6          | -88.79                | -547.6                              | 1,471.5      | 1,406.1                | 1,338.1                 | 68.01                     | 20.675             |          |
| 9,500.0                                                                          | 9,453.8               | 9,575.7               | 9,518.8               | 34.1             | 35.0          | -88.81                | -563.1                              | 1,466.5      | 1,400.7                | 1,331.9                 | 68.82                     | 20.352             |          |
| 9,600.0                                                                          | 9,552.5               | 9,675.5               | 9,617.3               | 34.5             | 35.4          | -88.84                | -578.6                              | 1,461.5      | 1,395.2                | 1,325.6                 | 69.63                     | 20.037             |          |
| 9,700.0                                                                          | 9,651.2               | 9,775.4               | 9,715.8               | 34.9             | 35.8          | -88.86                | -594.0                              | 1,456.5      | 1,389.7                | 1,319.3                 | 70.45                     | 19.728             |          |
| 9,800.0                                                                          | 9,749.9               | 9,875.2               | 9,814.3               | 35.3             | 36.2          | -88.89                | -609.5                              | 1,451.5      | 1,384.3                | 1,313.0                 | 71.26                     | 19.426             |          |
| 9,900.0                                                                          | 9,848.6               | 9,975.1               | 9,912.8               | 35.7             | 36.7          | -88.92                | -625.0                              | 1,446.5      | 1,378.8                | 1,306.7                 | 72.08                     | 19.130             |          |
| 10,000.0                                                                         | 9,947.3               | 10,074.9              | 10,011.3              | 36.1             | 37.1          | -88.94                | -640.5                              | 1,441.5      | 1,373.3                | 1,300.4                 | 72.89                     | 18.840             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #702H - Wellbore #1 - BLM Plan #1 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 0-MWMD                                                           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   |                    | Warning  |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 10,100.0                                                                         | 10,046.0              | 10,174.8              | 10,109.9              | 36.5             | 37.5          | -88.97                | -656.0                              | 1,436.5      | 1,367.9                | 1,294.2                 | 73.71                     | 18.557            |                    |          |
| 10,200.0                                                                         | 10,144.7              | 10,274.6              | 10,208.4              | 36.9             | 37.9          | -88.99                | -671.4                              | 1,431.5      | 1,362.4                | 1,287.9                 | 74.53                     | 18.279            |                    |          |
| 10,300.0                                                                         | 10,243.4              | 10,374.5              | 10,306.9              | 37.3             | 38.3          | -89.02                | -686.9                              | 1,426.5      | 1,356.9                | 1,281.6                 | 75.35                     | 18.007            |                    |          |
| 10,400.0                                                                         | 10,342.1              | 10,474.3              | 10,405.4              | 37.7             | 38.8          | -89.05                | -702.4                              | 1,421.5      | 1,351.5                | 1,275.3                 | 76.18                     | 17.741            |                    |          |
| 10,500.0                                                                         | 10,440.8              | 10,574.2              | 10,503.9              | 38.1             | 39.2          | -89.07                | -717.9                              | 1,416.5      | 1,346.0                | 1,269.0                 | 77.00                     | 17.480            |                    |          |
| 10,600.0                                                                         | 10,539.5              | 10,674.0              | 10,602.4              | 38.5             | 39.6          | -89.10                | -733.3                              | 1,411.5      | 1,340.5                | 1,262.7                 | 77.83                     | 17.224            |                    |          |
| 10,700.0                                                                         | 10,638.2              | 10,773.9              | 10,700.9              | 39.0             | 40.0          | -89.13                | -748.8                              | 1,406.6      | 1,335.1                | 1,256.4                 | 78.66                     | 16.974            |                    |          |
| 10,800.0                                                                         | 10,736.9              | 10,873.7              | 10,799.5              | 39.4             | 40.4          | -89.16                | -764.3                              | 1,401.6      | 1,329.6                | 1,250.1                 | 79.48                     | 16.728            |                    |          |
| 10,900.0                                                                         | 10,835.6              | 10,973.6              | 10,898.0              | 39.8             | 40.9          | -89.18                | -779.8                              | 1,396.6      | 1,324.1                | 1,243.8                 | 80.31                     | 16.487            |                    |          |
| 11,000.0                                                                         | 10,934.3              | 11,073.4              | 10,996.5              | 40.2             | 41.3          | -89.21                | -795.2                              | 1,391.6      | 1,318.7                | 1,237.5                 | 81.14                     | 16.251            |                    |          |
| 11,100.0                                                                         | 11,033.0              | 11,173.3              | 11,095.0              | 40.6             | 41.7          | -89.24                | -810.7                              | 1,386.6      | 1,313.2                | 1,231.2                 | 81.97                     | 16.020            |                    |          |
| 11,200.0                                                                         | 11,131.7              | 11,273.1              | 11,193.5              | 41.0             | 42.1          | -89.27                | -826.2                              | 1,381.6      | 1,307.7                | 1,224.9                 | 82.81                     | 15.792            |                    |          |
| 11,300.0                                                                         | 11,230.4              | 11,373.0              | 11,292.0              | 41.4             | 42.6          | -89.30                | -841.7                              | 1,376.6      | 1,302.3                | 1,218.6                 | 83.64                     | 15.570            |                    |          |
| 11,400.0                                                                         | 11,329.1              | 11,472.8              | 11,390.6              | 41.9             | 43.0          | -89.33                | -857.1                              | 1,371.6      | 1,296.8                | 1,212.3                 | 84.48                     | 15.351            |                    |          |
| 11,500.0                                                                         | 11,427.8              | 11,572.7              | 11,489.1              | 42.3             | 43.4          | -89.36                | -872.6                              | 1,366.6      | 1,291.3                | 1,206.0                 | 85.31                     | 15.137            |                    |          |
| 11,535.3                                                                         | 11,462.6              | 11,607.9              | 11,523.8              | 42.4             | 43.6          | -89.37                | -878.1                              | 1,364.8      | 1,289.4                | 1,203.8                 | 85.61                     | 15.062            |                    |          |
| 11,600.0                                                                         | 11,526.5              | 11,672.5              | 11,587.6              | 42.7             | 43.8          | -89.31                | -888.1                              | 1,361.6      | 1,285.9                | 1,199.7                 | 86.15                     | 14.927            |                    |          |
| 11,700.0                                                                         | 11,625.7              | 11,762.8              | 11,676.8              | 43.1             | 44.2          | -89.17                | -901.3                              | 1,357.3      | 1,280.7                | 1,193.8                 | 86.94                     | 14.731            |                    |          |
| 11,800.0                                                                         | 11,725.1              | 11,850.2              | 11,763.5              | 43.5             | 44.6          | -89.06                | -911.7                              | 1,354.0      | 1,276.6                | 1,188.9                 | 87.70                     | 14.556            |                    |          |
| 11,900.0                                                                         | 11,824.8              | 11,937.8              | 11,850.7              | 43.9             | 44.9          | -88.97                | -919.6                              | 1,351.4      | 1,273.5                | 1,185.0                 | 88.43                     | 14.401            |                    |          |
| 12,000.0                                                                         | 11,924.7              | 12,025.4              | 11,938.2              | 44.2             | 45.2          | -88.91                | -924.9                              | 1,349.7      | 1,271.3                | 1,182.2                 | 89.12                     | 14.266            |                    |          |
| 12,100.0                                                                         | 12,024.6              | 12,113.1              | 12,025.8              | 44.6             | 45.5          | -88.87                | -927.6                              | 1,348.8      | 1,270.2                | 1,180.5                 | 89.77                     | 14.150            |                    |          |
| 12,152.4                                                                         | 12,077.0              | 12,159.1              | 12,071.7              | 44.7             | 45.7          | 89.46                 | -928.1                              | 1,348.7      | 1,270.1                | 1,180.0                 | 90.09                     | 14.097            |                    |          |
| 12,154.9                                                                         | 12,079.5              | 12,161.2              | 12,073.9              | 44.7             | 45.7          | -94.49                | -928.1                              | 1,348.7      | 1,270.1                | 1,179.9                 | 90.11                     | 14.095 CC         |                    |          |
| 12,200.0                                                                         | 12,124.6              | 12,201.0              | 12,113.6              | 44.9             | 45.8          | -94.49                | -929.2                              | 1,348.8      | 1,270.3                | 1,179.9                 | 90.40                     | 14.052            |                    |          |
| 12,250.0                                                                         | 12,174.2              | 12,245.1              | 12,157.5              | 45.1             | 46.0          | -94.46                | -933.7                              | 1,349.1      | 1,271.1                | 1,180.3                 | 90.76                     | 14.005            |                    |          |
| 12,300.0                                                                         | 12,223.0              | 12,289.2              | 12,200.9              | 45.3             | 46.2          | -94.39                | -941.6                              | 1,349.6      | 1,272.5                | 1,181.3                 | 91.16                     | 13.958            |                    |          |
| 12,350.0                                                                         | 12,270.7              | 12,333.5              | 12,243.7              | 45.6             | 46.4          | -94.29                | -952.8                              | 1,350.4      | 1,274.4                | 1,182.8                 | 91.60                     | 13.912            |                    |          |
| 12,400.0                                                                         | 12,317.0              | 12,377.8              | 12,285.6              | 45.8             | 46.6          | -94.15                | -967.3                              | 1,351.4      | 1,276.9                | 1,184.8                 | 92.08                     | 13.868            |                    |          |
| 12,450.0                                                                         | 12,361.4              | 12,422.4              | 12,326.4              | 46.1             | 46.8          | -93.97                | -985.1                              | 1,352.7      | 1,279.9                | 1,187.3                 | 92.59                     | 13.824            |                    |          |
| 12,500.0                                                                         | 12,403.7              | 12,467.0              | 12,365.8              | 46.4             | 47.1          | -93.76                | -1,006.0                            | 1,354.2      | 1,283.5                | 1,190.3                 | 93.13                     | 13.781            |                    |          |
| 12,550.0                                                                         | 12,443.5              | 12,511.9              | 12,403.6              | 46.7             | 47.4          | -93.52                | -1,030.1                            | 1,355.9      | 1,287.5                | 1,193.8                 | 93.71                     | 13.740            |                    |          |
| 12,600.0                                                                         | 12,480.5              | 12,557.0              | 12,439.6              | 47.1             | 47.6          | -93.26                | -1,057.1                            | 1,357.8      | 1,292.0                | 1,197.7                 | 94.32                     | 13.698            |                    |          |
| 12,650.0                                                                         | 12,514.4              | 12,602.3              | 12,473.6              | 47.4             | 47.9          | -92.96                | -1,087.1                            | 1,359.9      | 1,296.9                | 1,201.9                 | 94.96                     | 13.658            |                    |          |
| 12,700.0                                                                         | 12,545.0              | 12,648.0              | 12,505.2              | 47.8             | 48.3          | -92.65                | -1,119.9                            | 1,362.2      | 1,302.2                | 1,206.6                 | 95.63                     | 13.617            |                    |          |
| 12,750.0                                                                         | 12,572.0              | 12,693.9              | 12,534.3              | 48.1             | 48.6          | -92.31                | -1,155.3                            | 1,364.8      | 1,307.9                | 1,211.5                 | 96.33                     | 13.577            |                    |          |
| 12,800.0                                                                         | 12,595.3              | 12,740.2              | 12,560.7              | 48.5             | 48.9          | -91.95                | -1,193.3                            | 1,367.4      | 1,313.9                | 1,216.8                 | 97.06                     | 13.536            |                    |          |
| 12,850.0                                                                         | 12,614.6              | 12,786.9              | 12,584.1              | 48.9             | 49.3          | -91.58                | -1,233.6                            | 1,370.3      | 1,320.1                | 1,222.3                 | 97.81                     | 13.496            |                    |          |
| 12,900.0                                                                         | 12,629.8              | 12,834.0              | 12,604.3              | 49.3             | 49.7          | -91.20                | -1,276.0                            | 1,373.3      | 1,326.6                | 1,228.0                 | 98.59                     | 13.456            |                    |          |
| 12,950.0                                                                         | 12,640.8              | 12,881.6              | 12,621.1              | 49.7             | 50.1          | -90.81                | -1,320.4                            | 1,376.5      | 1,333.3                | 1,233.9                 | 99.38                     | 13.417            |                    |          |
| 13,000.0                                                                         | 12,647.6              | 12,929.7              | 12,634.2              | 50.1             | 50.5          | -90.41                | -1,366.6                            | 1,379.7      | 1,340.2                | 1,240.0                 | 100.18                    | 13.377            |                    |          |
| 13,052.4                                                                         | 12,650.0              | 12,980.7              | 12,643.9              | 50.5             | 50.9          | -90.00                | -1,416.5                            | 1,383.3      | 1,347.4                | 1,246.4                 | 101.04                    | 13.336            |                    |          |
| 13,100.0                                                                         | 12,650.0              | 13,027.9              | 12,648.8              | 50.9             | 51.3          | -90.21                | -1,463.3                            | 1,386.6      | 1,353.7                | 1,251.8                 | 101.82                    | 13.294            |                    |          |
| 13,200.0                                                                         | 12,650.0              | 13,100.0              | 12,650.0              | 51.8             | 51.9          | -90.25                | -1,535.2                            | 1,392.0      | 1,364.8                | 1,261.6                 | 103.20                    | 13.225            |                    |          |
| 13,267.5                                                                         | 12,650.0              | 13,140.8              | 12,650.0              | 52.4             | 52.2          | -90.25                | -1,575.7                            | 1,396.0      | 1,371.9                | 1,267.9                 | 104.06                    | 13.184            |                    |          |
| 13,300.0                                                                         | 12,650.0              | 13,159.7              | 12,650.0              | 52.7             | 52.4          | -90.25                | -1,594.5                            | 1,398.2      | 1,375.5                | 1,271.0                 | 104.46                    | 13.167            |                    |          |
| 13,400.0                                                                         | 12,650.0              | 13,217.5              | 12,650.0              | 53.6             | 52.9          | -90.25                | -1,651.8                            | 1,406.0      | 1,388.3                | 1,282.6                 | 105.71                    | 13.133            |                    |          |
| 13,500.0                                                                         | 12,650.0              | 13,274.8              | 12,650.0              | 54.6             | 53.4          | -90.25                | -1,708.4                            | 1,415.4      | 1,404.1                | 1,297.1                 | 106.96                    | 13.127            |                    |          |
| 13,600.0                                                                         | 12,650.0              | 13,331.6              | 12,650.0              | 55.6             | 53.9          | -90.25                | -1,764.1                            | 1,426.3      | 1,422.8                | 1,314.6                 | 108.21                    | 13.149            |                    |          |
| 13,700.0                                                                         | 12,650.0              | 13,400.0              | 12,650.0              | 56.6             | 54.6          | -90.24                | -1,830.7                            | 1,441.7      | 1,444.5                | 1,334.8                 | 109.64                    | 13.174            |                    |          |
| 13,800.0                                                                         | 12,650.0              | 13,443.0              | 12,650.0              | 57.6             | 55.0          | -90.24                | -1,872.3                            | 1,452.6      | 1,468.7                | 1,358.1                 | 110.65                    | 13.273            |                    |          |
| 13,900.0                                                                         | 12,650.0              | 13,500.0              | 12,650.0              | 58.7             | 55.5          | -90.24                | -1,927.1                            | 1,468.4      | 1,495.8                | 1,383.9                 | 111.89                    | 13.369            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #702H - Wellbore #1 - BLM Plan #1 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-MWMD                                                           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 14,000.0                                                                         | 12,650.0              | 13,551.1              | 12,650.0              | 59.8             | 56.0          | -90.24                | -1,975.7                            | 1,483.9      | 1,525.6                | 1,412.6                 | 113.01                    | 13.500             |          |
| 14,100.0                                                                         | 12,650.0              | 13,600.0              | 12,650.0              | 61.0             | 56.5          | -90.23                | -2,021.9                            | 1,500.0      | 1,558.0                | 1,444.0                 | 114.06                    | 13.660             |          |
| 14,200.0                                                                         | 12,650.0              | 13,655.3              | 12,650.0              | 62.1             | 57.0          | -90.23                | -2,073.7                            | 1,519.6      | 1,592.9                | 1,477.7                 | 115.24                    | 13.822             |          |
| 14,300.0                                                                         | 12,650.0              | 13,742.0              | 12,650.0              | 63.3             | 57.9          | -90.23                | -2,153.8                            | 1,552.5      | 1,630.3                | 1,513.1                 | 117.13                    | 13.918             |          |
| 14,400.0                                                                         | 12,650.0              | 14,391.2              | 12,650.0              | 64.5             | 65.4          | -90.21                | -2,785.4                            | 1,688.8      | 1,651.1                | 1,521.2                 | 129.86                    | 12.714             |          |
| 14,500.0                                                                         | 12,650.0              | 14,676.8              | 12,650.0              | 65.7             | 68.9          | -90.21                | -3,070.9                            | 1,684.2      | 1,647.9                | 1,513.5                 | 134.43                    | 12.259             |          |
| 14,600.0                                                                         | 12,650.0              | 14,909.6              | 12,650.0              | 67.0             | 71.8          | -90.21                | -3,302.3                            | 1,659.0      | 1,636.5                | 1,498.6                 | 137.86                    | 11.871             |          |
| 14,700.0                                                                         | 12,650.0              | 15,136.7              | 12,650.0              | 68.2             | 74.7          | -90.22                | -3,525.3                            | 1,616.4      | 1,617.1                | 1,476.4                 | 140.72                    | 11.492             |          |
| 14,800.0                                                                         | 12,650.0              | 15,355.5              | 12,650.0              | 69.5             | 77.4          | -90.23                | -3,736.3                            | 1,558.7      | 1,590.1                | 1,447.1                 | 143.00                    | 11.120             |          |
| 14,900.0                                                                         | 12,650.0              | 15,479.0              | 12,650.0              | 70.8             | 78.9          | -90.23                | -3,853.4                            | 1,519.6      | 1,557.6                | 1,412.3                 | 145.30                    | 10.720             |          |
| 15,000.0                                                                         | 12,650.0              | 15,540.8              | 12,650.0              | 72.1             | 79.7          | -90.24                | -3,912.2                            | 1,500.6      | 1,526.3                | 1,378.4                 | 147.92                    | 10.318             |          |
| 15,100.0                                                                         | 12,650.0              | 15,600.0              | 12,650.0              | 73.4             | 80.5          | -90.24                | -3,968.9                            | 1,483.6      | 1,497.1                | 1,346.5                 | 150.57                    | 9.943              |          |
| 15,200.0                                                                         | 12,650.0              | 15,666.8              | 12,650.0              | 74.8             | 81.4          | -90.24                | -4,033.3                            | 1,465.8      | 1,469.9                | 1,316.7                 | 153.22                    | 9.594              |          |
| 15,300.0                                                                         | 12,650.0              | 15,731.0              | 12,650.0              | 76.1             | 82.2          | -90.25                | -4,095.5                            | 1,450.2      | 1,445.0                | 1,289.1                 | 155.89                    | 9.269              |          |
| 15,400.0                                                                         | 12,650.0              | 15,800.0              | 12,650.0              | 77.5             | 83.1          | -90.25                | -4,162.9                            | 1,434.9      | 1,422.2                | 1,263.6                 | 158.57                    | 8.969              |          |
| 15,500.0                                                                         | 12,650.0              | 15,861.4              | 12,650.0              | 78.8             | 84.0          | -90.25                | -4,223.1                            | 1,422.7      | 1,401.6                | 1,240.4                 | 161.25                    | 8.692              |          |
| 15,600.0                                                                         | 12,650.0              | 15,927.6              | 12,650.0              | 80.2             | 84.9          | -90.25                | -4,288.2                            | 1,411.0      | 1,383.3                | 1,219.4                 | 163.91                    | 8.439              |          |
| 15,700.0                                                                         | 12,650.0              | 16,000.0              | 12,650.0              | 81.6             | 85.9          | -90.26                | -4,359.7                            | 1,399.9      | 1,367.3                | 1,200.7                 | 166.58                    | 8.208              |          |
| 15,800.0                                                                         | 12,650.0              | 16,061.4              | 12,650.0              | 83.0             | 86.8          | -90.26                | -4,420.6                            | 1,391.9      | 1,353.6                | 1,184.4                 | 169.18                    | 8.001              |          |
| 15,900.0                                                                         | 12,650.0              | 16,129.0              | 12,650.0              | 84.4             | 87.7          | -90.26                | -4,487.8                            | 1,384.7      | 1,342.2                | 1,170.4                 | 171.77                    | 7.814              |          |
| 16,000.0                                                                         | 12,650.0              | 16,200.0              | 12,650.0              | 85.9             | 88.7          | -90.26                | -4,558.6                            | 1,378.7      | 1,333.2                | 1,158.8                 | 174.35                    | 7.647              |          |
| 16,100.0                                                                         | 12,650.0              | 16,265.0              | 12,650.0              | 87.3             | 89.6          | -90.26                | -4,623.5                            | 1,374.8      | 1,326.5                | 1,149.7                 | 176.82                    | 7.502              |          |
| 16,200.0                                                                         | 12,650.0              | 16,333.4              | 12,650.0              | 88.7             | 90.6          | -90.26                | -4,691.8                            | 1,372.3      | 1,322.3                | 1,143.0                 | 179.27                    | 7.376              |          |
| 16,300.0                                                                         | 12,650.0              | 16,400.0              | 12,650.0              | 90.2             | 91.6          | -90.26                | -4,758.4                            | 1,371.5      | 1,320.4                | 1,138.7                 | 181.63                    | 7.269              |          |
| 16,400.0                                                                         | 12,650.0              | 16,492.6              | 12,650.0              | 91.6             | 92.9          | -90.26                | -4,851.0                            | 1,372.0      | 1,320.3                | 1,135.8                 | 184.41                    | 7.159              |          |
| 16,403.8                                                                         | 12,650.0              | 16,496.4              | 12,650.0              | 91.7             | 93.0          | -90.26                | -4,854.8                            | 1,372.0      | 1,320.3                | 1,135.7                 | 184.52                    | 7.155              |          |
| 16,500.0                                                                         | 12,650.0              | 16,607.4              | 12,650.0              | 93.1             | 94.6          | -90.26                | -4,951.0                            | 1,372.6      | 1,320.3                | 1,132.7                 | 187.55                    | 7.040              |          |
| 16,600.0                                                                         | 12,650.0              | 16,707.4              | 12,650.0              | 94.5             | 96.1          | -90.26                | -5,051.0                            | 1,373.2      | 1,320.2                | 1,129.8                 | 190.48                    | 6.931              |          |
| 16,700.0                                                                         | 12,650.0              | 16,807.4              | 12,650.0              | 96.0             | 97.6          | -90.26                | -5,151.0                            | 1,373.8      | 1,320.2                | 1,126.8                 | 193.43                    | 6.826              |          |
| 16,800.0                                                                         | 12,650.0              | 16,907.4              | 12,650.0              | 97.5             | 99.0          | -90.26                | -5,251.0                            | 1,374.4      | 1,320.2                | 1,123.9                 | 196.38                    | 6.723              |          |
| 16,900.0                                                                         | 12,650.0              | 17,007.4              | 12,650.0              | 99.0             | 100.5         | -90.26                | -5,351.0                            | 1,375.0      | 1,320.2                | 1,120.9                 | 199.35                    | 6.623              |          |
| 17,000.0                                                                         | 12,650.0              | 17,107.4              | 12,650.0              | 100.5            | 102.0         | -90.26                | -5,451.0                            | 1,375.6      | 1,320.2                | 1,117.9                 | 202.33                    | 6.525              |          |
| 17,100.0                                                                         | 12,650.0              | 17,207.4              | 12,650.0              | 101.9            | 103.5         | -90.26                | -5,551.0                            | 1,376.2      | 1,320.2                | 1,114.9                 | 205.32                    | 6.430              |          |
| 17,200.0                                                                         | 12,650.0              | 17,307.4              | 12,650.0              | 103.4            | 105.0         | -90.26                | -5,651.0                            | 1,376.9      | 1,320.2                | 1,111.9                 | 208.32                    | 6.337              |          |
| 17,300.0                                                                         | 12,650.0              | 17,407.4              | 12,650.0              | 104.9            | 106.5         | -90.26                | -5,751.0                            | 1,377.5      | 1,320.2                | 1,108.9                 | 211.33                    | 6.247              |          |
| 17,400.0                                                                         | 12,650.0              | 17,507.4              | 12,650.0              | 106.5            | 108.0         | -90.26                | -5,851.0                            | 1,378.1      | 1,320.2                | 1,105.9                 | 214.35                    | 6.159              |          |
| 17,500.0                                                                         | 12,650.0              | 17,607.4              | 12,650.0              | 108.0            | 109.5         | -90.26                | -5,951.0                            | 1,378.7      | 1,320.2                | 1,102.8                 | 217.38                    | 6.073              |          |
| 17,600.0                                                                         | 12,650.0              | 17,707.4              | 12,650.0              | 109.5            | 111.0         | -90.26                | -6,051.0                            | 1,379.3      | 1,320.2                | 1,099.8                 | 220.42                    | 5.990              |          |
| 17,700.0                                                                         | 12,650.0              | 17,807.4              | 12,650.0              | 111.0            | 112.6         | -90.26                | -6,151.0                            | 1,379.9      | 1,320.2                | 1,096.8                 | 223.46                    | 5.908              |          |
| 17,800.0                                                                         | 12,650.0              | 17,907.4              | 12,650.0              | 112.5            | 114.1         | -90.26                | -6,251.0                            | 1,380.5      | 1,320.2                | 1,093.7                 | 226.51                    | 5.828              |          |
| 17,900.0                                                                         | 12,650.0              | 18,007.4              | 12,650.0              | 114.1            | 115.6         | -90.26                | -6,351.0                            | 1,381.1      | 1,320.2                | 1,090.6                 | 229.57                    | 5.751              |          |
| 18,000.0                                                                         | 12,650.0              | 18,107.4              | 12,650.0              | 115.6            | 117.2         | -90.26                | -6,451.0                            | 1,381.8      | 1,320.2                | 1,087.6                 | 232.64                    | 5.675              |          |
| 18,100.0                                                                         | 12,650.0              | 18,207.4              | 12,650.0              | 117.1            | 118.7         | -90.26                | -6,551.0                            | 1,382.4      | 1,320.2                | 1,084.5                 | 235.71                    | 5.601              |          |
| 18,200.0                                                                         | 12,650.0              | 18,307.4              | 12,650.0              | 118.7            | 120.2         | -90.26                | -6,651.0                            | 1,383.0      | 1,320.2                | 1,081.4                 | 238.79                    | 5.529              |          |
| 18,300.0                                                                         | 12,650.0              | 18,407.4              | 12,650.0              | 120.2            | 121.8         | -90.26                | -6,751.0                            | 1,383.6      | 1,320.2                | 1,078.3                 | 241.88                    | 5.458              |          |
| 18,400.0                                                                         | 12,650.0              | 18,507.4              | 12,650.0              | 121.8            | 123.3         | -90.26                | -6,851.0                            | 1,384.2      | 1,320.2                | 1,075.2                 | 244.97                    | 5.389              |          |
| 18,500.0                                                                         | 12,650.0              | 18,607.4              | 12,650.0              | 123.3            | 124.9         | -90.26                | -6,951.0                            | 1,384.8      | 1,320.2                | 1,072.1                 | 248.07                    | 5.322              |          |
| 18,600.0                                                                         | 12,650.0              | 18,707.4              | 12,650.0              | 124.9            | 126.4         | -90.26                | -7,051.0                            | 1,385.4      | 1,320.2                | 1,069.0                 | 251.17                    | 5.256              |          |
| 18,700.0                                                                         | 12,650.0              | 18,807.4              | 12,650.0              | 126.4            | 128.0         | -90.26                | -7,150.9                            | 1,386.0      | 1,320.2                | 1,065.9                 | 254.28                    | 5.192              |          |
| 18,800.0                                                                         | 12,650.0              | 18,907.4              | 12,650.0              | 128.0            | 129.5         | -90.26                | -7,250.9                            | 1,386.7      | 1,320.2                | 1,062.8                 | 257.39                    | 5.129              |          |
| 18,900.0                                                                         | 12,650.0              | 19,007.4              | 12,650.0              | 129.5            | 131.1         | -90.26                | -7,350.9                            | 1,387.3      | 1,320.2                | 1,059.7                 | 260.51                    | 5.068              |          |
| 19,000.0                                                                         | 12,650.0              | 19,107.4              | 12,650.0              | 131.1            | 132.7         | -90.26                | -7,450.9                            | 1,387.9      | 1,320.2                | 1,056.5                 | 263.63                    | 5.008              |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Blue Chip - Blue Chip 14 Fed Com #702H - Wellbore #1 - BLM Plan #1 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 0-MWD                                                            |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                                                                        |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)                                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 19,100.0                                                                         | 12,650.0              | 19,207.4              | 12,650.0              | 132.6            | 134.2         | -90.26                | -7,550.9                            | 1,388.5      | 1,320.2                | 1,053.4                 | 266.76                    | 4.949              |          |
| 19,200.0                                                                         | 12,650.0              | 19,307.4              | 12,650.0              | 134.2            | 135.8         | -90.26                | -7,650.9                            | 1,389.1      | 1,320.2                | 1,050.3                 | 269.90                    | 4.891              |          |
| 19,300.0                                                                         | 12,650.0              | 19,407.4              | 12,650.0              | 135.8            | 137.4         | -90.26                | -7,750.9                            | 1,389.7      | 1,320.2                | 1,047.1                 | 273.03                    | 4.835              |          |
| 19,400.0                                                                         | 12,650.0              | 19,507.4              | 12,650.0              | 137.3            | 138.9         | -90.26                | -7,850.9                            | 1,390.3      | 1,320.2                | 1,044.0                 | 276.18                    | 4.780              |          |
| 19,500.0                                                                         | 12,650.0              | 19,607.4              | 12,650.0              | 138.9            | 140.5         | -90.26                | -7,950.9                            | 1,391.0      | 1,320.2                | 1,040.8                 | 279.32                    | 4.726              |          |
| 19,600.0                                                                         | 12,650.0              | 19,707.4              | 12,650.0              | 140.5            | 142.1         | -90.26                | -8,050.9                            | 1,391.6      | 1,320.2                | 1,037.7                 | 282.47                    | 4.674              |          |
| 19,700.0                                                                         | 12,650.0              | 19,807.4              | 12,650.0              | 142.1            | 143.6         | -90.26                | -8,150.9                            | 1,392.2      | 1,320.2                | 1,034.5                 | 285.62                    | 4.622              |          |
| 19,800.0                                                                         | 12,650.0              | 19,907.4              | 12,650.0              | 143.6            | 145.2         | -90.26                | -8,250.9                            | 1,392.8      | 1,320.2                | 1,031.4                 | 288.78                    | 4.571              |          |
| 19,900.0                                                                         | 12,650.0              | 20,007.4              | 12,650.0              | 145.2            | 146.8         | -90.26                | -8,350.9                            | 1,393.4      | 1,320.1                | 1,028.2                 | 291.94                    | 4.522              |          |
| 20,000.0                                                                         | 12,650.0              | 20,107.4              | 12,650.0              | 146.8            | 148.4         | -90.26                | -8,450.9                            | 1,394.0      | 1,320.1                | 1,025.0                 | 295.11                    | 4.473              |          |
| 20,100.0                                                                         | 12,650.0              | 20,192.6              | 12,650.0              | 148.4            | 149.7         | -90.26                | -8,550.9                            | 1,394.6      | 1,320.1                | 1,022.1                 | 298.04                    | 4.429              |          |
| 20,200.0                                                                         | 12,650.0              | 20,292.6              | 12,650.0              | 150.0            | 151.3         | -90.26                | -8,650.9                            | 1,395.2      | 1,320.1                | 1,018.9                 | 301.21                    | 4.383              |          |
| 20,300.0                                                                         | 12,650.0              | 20,392.6              | 12,650.0              | 151.6            | 152.9         | -90.26                | -8,750.9                            | 1,395.9      | 1,320.1                | 1,015.8                 | 304.38                    | 4.337              |          |
| 20,400.0                                                                         | 12,650.0              | 20,507.4              | 12,650.0              | 153.2            | 154.7         | -90.26                | -8,850.9                            | 1,396.5      | 1,320.1                | 1,012.3                 | 307.79                    | 4.289              |          |
| 20,500.0                                                                         | 12,650.0              | 20,607.4              | 12,650.0              | 154.7            | 156.3         | -90.26                | -8,950.9                            | 1,397.1      | 1,320.1                | 1,009.2                 | 310.97                    | 4.245              |          |
| 20,600.0                                                                         | 12,650.0              | 20,692.6              | 12,650.0              | 156.3            | 157.7         | -90.26                | -9,050.9                            | 1,397.7      | 1,320.1                | 1,006.2                 | 313.92                    | 4.205              |          |
| 20,700.0                                                                         | 12,650.0              | 20,807.4              | 12,650.0              | 157.9            | 159.5         | -90.26                | -9,150.9                            | 1,398.3      | 1,320.1                | 1,002.8                 | 317.34                    | 4.160              |          |
| 20,800.0                                                                         | 12,650.0              | 20,907.4              | 12,650.0              | 159.5            | 161.1         | -90.26                | -9,250.9                            | 1,398.9      | 1,320.1                | 999.6                   | 320.53                    | 4.119              |          |
| 20,900.0                                                                         | 12,650.0              | 21,007.4              | 12,650.0              | 161.1            | 162.7         | -90.26                | -9,350.9                            | 1,399.5      | 1,320.1                | 996.4                   | 323.72                    | 4.078              |          |
| 21,000.0                                                                         | 12,650.0              | 21,107.4              | 12,650.0              | 162.7            | 164.3         | -90.26                | -9,450.9                            | 1,400.1      | 1,320.1                | 993.2                   | 326.91                    | 4.038              |          |
| 21,100.0                                                                         | 12,650.0              | 21,207.4              | 12,650.0              | 164.3            | 165.9         | -90.26                | -9,550.9                            | 1,400.8      | 1,320.1                | 990.0                   | 330.11                    | 3.999              |          |
| 21,200.0                                                                         | 12,650.0              | 21,307.4              | 12,650.0              | 165.9            | 167.5         | -90.26                | -9,650.9                            | 1,401.4      | 1,320.1                | 986.8                   | 333.31                    | 3.961              |          |
| 21,300.0                                                                         | 12,650.0              | 21,407.4              | 12,650.0              | 167.5            | 169.1         | -90.26                | -9,750.9                            | 1,402.0      | 1,320.1                | 983.6                   | 336.51                    | 3.923              |          |
| 21,400.0                                                                         | 12,650.0              | 21,507.4              | 12,650.0              | 169.1            | 170.7         | -90.26                | -9,850.9                            | 1,402.6      | 1,320.1                | 980.4                   | 339.71                    | 3.886              |          |
| 21,500.0                                                                         | 12,650.0              | 21,607.4              | 12,650.0              | 170.7            | 172.3         | -90.26                | -9,950.9                            | 1,403.2      | 1,320.1                | 977.2                   | 342.91                    | 3.850              |          |
| 21,600.0                                                                         | 12,650.0              | 21,707.4              | 12,650.0              | 172.3            | 173.9         | -90.26                | -10,050.9                           | 1,403.8      | 1,320.1                | 974.0                   | 346.12                    | 3.814              |          |
| 21,700.0                                                                         | 12,650.0              | 21,792.6              | 12,650.0              | 173.9            | 175.2         | -90.26                | -10,150.9                           | 1,404.4      | 1,320.1                | 971.0                   | 349.09                    | 3.782              |          |
| 21,800.0                                                                         | 12,650.0              | 21,907.4              | 12,650.0              | 175.5            | 177.1         | -90.26                | -10,250.9                           | 1,405.0      | 1,320.1                | 967.6                   | 352.54                    | 3.745              |          |
| 21,900.0                                                                         | 12,650.0              | 22,007.4              | 12,650.0              | 177.1            | 178.7         | -90.26                | -10,350.9                           | 1,405.7      | 1,320.1                | 964.3                   | 355.75                    | 3.711              |          |
| 22,000.0                                                                         | 12,650.0              | 22,107.4              | 12,650.0              | 178.7            | 180.3         | -90.26                | -10,450.9                           | 1,406.3      | 1,320.1                | 961.1                   | 358.97                    | 3.677              |          |
| 22,100.0                                                                         | 12,650.0              | 22,207.4              | 12,650.0              | 180.3            | 181.9         | -90.26                | -10,550.9                           | 1,406.9      | 1,320.1                | 957.9                   | 362.18                    | 3.645              |          |
| 22,200.0                                                                         | 12,650.0              | 22,307.4              | 12,650.0              | 182.0            | 183.5         | -90.26                | -10,650.9                           | 1,407.5      | 1,320.1                | 954.7                   | 365.40                    | 3.613              |          |
| 22,300.0                                                                         | 12,650.0              | 22,407.4              | 12,650.0              | 183.6            | 185.1         | -90.26                | -10,750.9                           | 1,408.1      | 1,320.1                | 951.5                   | 368.62                    | 3.581              |          |
| 22,400.0                                                                         | 12,650.0              | 22,507.4              | 12,650.0              | 185.2            | 186.7         | -90.26                | -10,850.9                           | 1,408.7      | 1,320.1                | 948.2                   | 371.84                    | 3.550              |          |
| 22,500.0                                                                         | 12,650.0              | 22,607.4              | 12,650.0              | 186.8            | 188.4         | -90.26                | -10,950.9                           | 1,409.3      | 1,320.1                | 945.0                   | 375.07                    | 3.520              |          |
| 22,600.0                                                                         | 12,650.0              | 22,707.4              | 12,650.0              | 188.4            | 190.0         | -90.26                | -11,050.9                           | 1,409.9      | 1,320.1                | 941.8                   | 378.29                    | 3.490              |          |
| 22,700.0                                                                         | 12,650.0              | 22,807.4              | 12,650.0              | 190.0            | 191.6         | -90.26                | -11,150.9                           | 1,410.6      | 1,320.1                | 938.5                   | 381.52                    | 3.460              |          |
| 22,800.0                                                                         | 12,650.0              | 22,892.6              | 12,650.0              | 191.6            | 193.0         | -90.26                | -11,250.9                           | 1,411.2      | 1,320.1                | 935.6                   | 384.51                    | 3.433              |          |
| 22,884.1                                                                         | 12,650.0              | 22,976.7              | 12,650.0              | 193.0            | 194.3         | -90.26                | -11,335.0                           | 1,411.7      | 1,320.1                | 932.8                   | 387.22                    | 3.409 ES, SF       |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design                |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 151-INC-ONLY |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                    |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)        | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 0.0                          | 0.0                   | 36.5                  | 36.5                  | 0.0              | 0.3           | 154.80                | -2,862.2                            | 1,346.7      | 3,163.2                |                         |                           |                    |          |
| 100.0                        | 100.0                 | 165.5                 | 136.5                 | 0.1              | 1.5           | 154.80                | -2,862.2                            | 1,346.7      | 3,163.2                | 3,161.6                 | 1.61                      | 1,961.388          |          |
| 189.2                        | 189.2                 | 225.7                 | 225.7                 | 0.4              | 2.6           | 154.80                | -2,862.1                            | 1,346.7      | 3,163.1                | 3,160.1                 | 3.02                      | 1,048.467          |          |
| 200.0                        | 200.0                 | 235.6                 | 235.6                 | 0.5              | 2.7           | 154.80                | -2,862.1                            | 1,346.7      | 3,163.1                | 3,159.9                 | 3.24                      | 977.720            |          |
| 300.0                        | 300.0                 | 336.5                 | 336.5                 | 0.8              | 4.6           | 154.80                | -2,862.2                            | 1,346.7      | 3,163.2                | 3,157.7                 | 5.43                      | 582.884            |          |
| 400.0                        | 400.0                 | 436.5                 | 436.5                 | 1.2              | 6.4           | 154.80                | -2,862.2                            | 1,346.7      | 3,163.2                | 3,155.5                 | 7.63                      | 414.523            |          |
| 500.0                        | 500.0                 | 536.5                 | 536.5                 | 1.6              | 8.3           | 154.80                | -2,862.2                            | 1,346.7      | 3,163.2                | 3,153.3                 | 9.83                      | 321.625            |          |
| 542.0                        | 542.0                 | 578.4                 | 578.4                 | 1.7              | 9.0           | 154.80                | -2,861.6                            | 1,346.7      | 3,162.6                | 3,151.9                 | 10.76                     | 293.969            |          |
| 600.0                        | 600.0                 | 633.9                 | 633.9                 | 1.9              | 10.1          | 154.80                | -2,861.6                            | 1,346.7      | 3,162.7                | 3,150.7                 | 11.99                     | 263.756            |          |
| 700.0                        | 700.0                 | 729.6                 | 729.6                 | 2.3              | 11.8          | 154.80                | -2,861.7                            | 1,346.7      | 3,162.8                | 3,148.7                 | 14.12                     | 224.071            |          |
| 800.0                        | 800.0                 | 825.2                 | 825.2                 | 2.6              | 13.6          | 154.80                | -2,862.1                            | 1,346.7      | 3,163.1                | 3,146.9                 | 16.24                     | 194.778            |          |
| 900.0                        | 900.0                 | 936.5                 | 936.5                 | 3.0              | 15.7          | 154.80                | -2,862.2                            | 1,346.7      | 3,163.2                | 3,144.5                 | 18.65                     | 169.572            |          |
| 1,000.0                      | 1,000.0               | 1,036.5               | 1,036.5               | 3.4              | 17.5          | 154.80                | -2,862.2                            | 1,346.7      | 3,163.2                | 3,142.3                 | 20.86                     | 151.636            |          |
| 1,040.6                      | 1,040.6               | 1,077.0               | 1,076.9               | 3.5              | 18.3          | 154.80                | -2,861.7                            | 1,346.7      | 3,162.7                | 3,141.0                 | 21.75                     | 145.391            |          |
| 1,100.0                      | 1,100.0               | 1,133.2               | 1,133.2               | 3.7              | 19.3          | 154.80                | -2,861.7                            | 1,346.7      | 3,162.8                | 3,139.8                 | 23.01                     | 137.480            |          |
| 1,200.0                      | 1,200.0               | 1,227.9               | 1,227.8               | 4.1              | 21.0          | 154.80                | -2,861.9                            | 1,346.7      | 3,163.0                | 3,137.8                 | 25.11                     | 125.947            |          |
| 1,300.0                      | 1,300.0               | 1,336.5               | 1,336.5               | 4.4              | 23.1          | 154.80                | -2,862.2                            | 1,346.7      | 3,163.2                | 3,135.7                 | 27.48                     | 115.107            |          |
| 1,400.0                      | 1,400.0               | 1,436.5               | 1,436.5               | 4.8              | 24.9          | 154.80                | -2,862.2                            | 1,346.7      | 3,163.2                | 3,133.5                 | 29.69                     | 106.551            |          |
| 1,483.3                      | 1,483.3               | 1,519.7               | 1,519.6               | 5.1              | 26.4          | 154.80                | -2,861.7                            | 1,346.7      | 3,162.7                | 3,131.2                 | 31.52                     | 100.334            |          |
| 1,500.0                      | 1,500.0               | 1,535.5               | 1,535.5               | 5.1              | 26.7          | 154.80                | -2,861.7                            | 1,346.7      | 3,162.7                | 3,130.9                 | 31.88                     | 99.223             |          |
| 1,600.0                      | 1,600.0               | 1,630.2               | 1,630.1               | 5.5              | 28.5          | 154.80                | -2,861.8                            | 1,346.7      | 3,162.9                | 3,128.9                 | 33.98                     | 93.071             |          |
| 1,700.0                      | 1,700.0               | 1,724.9               | 1,724.8               | 5.9              | 30.2          | 154.80                | -2,862.1                            | 1,346.7      | 3,163.1                | 3,127.0                 | 36.09                     | 87.643             |          |
| 1,800.0                      | 1,800.0               | 1,836.6               | 1,836.5               | 6.2              | 32.3          | 154.80                | -2,862.2                            | 1,346.7      | 3,163.2                | 3,124.6                 | 38.56                     | 82.025             |          |
| 1,900.0                      | 1,900.0               | 1,936.6               | 1,936.5               | 6.6              | 34.2          | 154.80                | -2,862.2                            | 1,346.7      | 3,163.2                | 3,122.4                 | 40.82                     | 77.490             |          |
| 1,955.3                      | 1,955.3               | 1,991.8               | 1,991.8               | 6.8              | 35.3          | 154.80                | -2,861.6                            | 1,346.7      | 3,162.7                | 3,120.6                 | 42.07                     | 75.181             |          |
| 2,000.0                      | 2,000.0               | 2,034.4               | 2,034.4               | 6.9              | 36.1          | 154.80                | -2,861.6                            | 1,346.7      | 3,162.7                | 3,119.7                 | 43.04                     | 73.488             |          |
| 2,100.0                      | 2,100.0               | 2,129.7               | 2,129.7               | 7.3              | 37.9          | 154.80                | -2,861.8                            | 1,346.7      | 3,162.8                | 3,117.6                 | 45.20                     | 69.968             |          |
| 2,200.0                      | 2,200.0               | 2,225.0               | 2,225.0               | 7.7              | 39.7          | 154.80                | -2,862.1                            | 1,346.7      | 3,163.1                | 3,115.7                 | 47.37                     | 66.773             |          |
| 2,300.0                      | 2,300.0               | 2,336.6               | 2,336.5               | 8.0              | 41.9          | 154.80                | -2,862.2                            | 1,346.7      | 3,163.2                | 3,113.3                 | 49.90                     | 63.391             |          |
| 2,348.9                      | 2,348.9               | 2,385.5               | 2,385.4               | 8.2              | 42.8          | 154.80                | -2,861.7                            | 1,346.7      | 3,162.8                | 3,111.7                 | 51.03                     | 61.979             |          |
| 2,400.0                      | 2,400.0               | 2,430.6               | 2,430.5               | 8.4              | 43.7          | 154.80                | -2,861.7                            | 1,346.7      | 3,162.8                | 3,110.7                 | 52.09                     | 60.713             |          |
| 2,500.0                      | 2,500.0               | 2,536.6               | 2,536.5               | 8.7              | 45.8          | 154.80                | -2,862.2                            | 1,346.7      | 3,163.2                | 3,108.6                 | 54.55                     | 57.991             |          |
| 2,600.0                      | 2,600.0               | 2,636.6               | 2,636.5               | 9.1              | 48.0          | 154.80                | -2,862.2                            | 1,346.7      | 3,163.2                | 3,106.1                 | 57.09                     | 55.405             |          |
| 2,635.4                      | 2,635.4               | 2,671.7               | 2,671.6               | 9.2              | 48.8          | 154.80                | -2,861.7                            | 1,346.7      | 3,162.8                | 3,104.8                 | 57.99                     | 54.543             |          |
| 2,700.0                      | 2,700.0               | 2,728.7               | 2,728.6               | 9.4              | 50.0          | 154.80                | -2,861.8                            | 1,346.7      | 3,162.8                | 3,103.4                 | 59.47                     | 53.187             |          |
| 2,800.0                      | 2,800.0               | 2,836.7               | 2,836.5               | 9.8              | 52.5          | 154.80                | -2,862.2                            | 1,346.7      | 3,163.2                | 3,100.9                 | 62.31                     | 50.766             |          |
| 2,852.8                      | 2,852.8               | 2,889.5               | 2,889.3               | 10.0             | 53.9          | 154.80                | -2,861.6                            | 1,346.7      | 3,162.6                | 3,098.7                 | 63.90                     | 49.491             |          |
| 2,900.0                      | 2,900.0               | 2,919.8               | 2,919.6               | 10.2             | 54.7          | 154.80                | -2,861.7                            | 1,346.7      | 3,162.8                | 3,097.9                 | 64.88                     | 48.748             |          |
| 2,978.2                      | 2,978.2               | 3,015.0               | 3,014.7               | 10.4             | 57.3          | 154.80                | -2,861.7                            | 1,346.7      | 3,162.7                | 3,094.9                 | 67.79                     | 46.656             |          |
| 3,000.0                      | 3,000.0               | 3,024.3               | 3,024.0               | 10.5             | 57.6          | 154.80                | -2,861.7                            | 1,346.7      | 3,162.8                | 3,094.6                 | 68.13                     | 46.420             |          |
| 3,100.0                      | 3,100.0               | 3,122.0               | 3,121.6               | 10.9             | 60.4          | 154.80                | -2,861.7                            | 1,346.7      | 3,162.8                | 3,091.5                 | 71.27                     | 44.377             |          |
| 3,170.3                      | 3,170.3               | 3,205.7               | 3,205.3               | 11.1             | 62.7          | 154.80                | -2,861.7                            | 1,346.7      | 3,162.8                | 3,088.9                 | 73.88                     | 42.810             |          |
| 3,200.0                      | 3,200.0               | 3,219.4               | 3,218.9               | 11.2             | 63.1          | 154.80                | -2,861.7                            | 1,346.7      | 3,162.8                | 3,088.5                 | 74.36                     | 42.532             |          |
| 3,269.0                      | 3,269.0               | 3,306.0               | 3,305.4               | 11.5             | 65.6          | 154.80                | -2,861.7                            | 1,346.7      | 3,162.7                | 3,085.7                 | 77.05                     | 41.048             |          |
| 3,300.0                      | 3,300.0               | 3,322.1               | 3,321.6               | 11.6             | 66.0          | 154.80                | -2,861.7                            | 1,346.7      | 3,162.8                | 3,085.2                 | 77.62                     | 40.749             |          |
| 3,400.0                      | 3,400.0               | 3,415.8               | 3,415.2               | 12.0             | 68.5          | 154.80                | -2,861.8                            | 1,346.7      | 3,162.9                | 3,082.5                 | 80.46                     | 39.313             |          |
| 3,500.0                      | 3,500.0               | 3,537.1               | 3,536.5               | 12.3             | 71.2          | 154.80                | -2,862.2                            | 1,346.7      | 3,163.2                | 3,079.7                 | 83.51                     | 37.878             |          |
| 3,560.0                      | 3,560.0               | 3,596.5               | 3,595.8               | 12.5             | 72.5          | 154.80                | -2,861.8                            | 1,346.7      | 3,162.9                | 3,077.8                 | 85.03                     | 37.196             |          |
| 3,600.0                      | 3,600.0               | 3,626.4               | 3,625.8               | 12.7             | 73.2          | 154.80                | -2,861.9                            | 1,346.7      | 3,162.9                | 3,077.1                 | 85.84                     | 36.848             |          |
| 3,700.0                      | 3,700.0               | 3,737.2               | 3,736.5               | 13.0             | 75.7          | 154.80                | -2,862.2                            | 1,346.7      | 3,163.2                | 3,074.5                 | 88.70                     | 35.662             |          |
| 3,800.0                      | 3,800.0               | 3,837.2               | 3,836.5               | 13.4             | 78.0          | 154.80                | -2,862.2                            | 1,346.7      | 3,163.2                | 3,071.8                 | 91.35                     | 34.627             |          |
| 3,900.0                      | 3,900.0               | 3,935.4               | 3,934.7               | 13.7             | 80.2          | 64.83                 | -2,860.8                            | 1,346.7      | 3,161.2                | 3,067.2                 | 93.95                     | 33.647             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design                |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 151-INC-ONLY |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                    |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)        | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 4,000.0                      | 3,999.8               | 4,024.3               | 4,023.6               | 14.1             | 82.2          | 64.95                 | -2,861.0                            | 1,346.7      | 3,159.2                | 3,062.9                 | 96.33                     | 32.795             |          |
| 4,100.0                      | 4,099.6               | 4,113.1               | 4,112.4               | 14.4             | 84.3          | 65.05                 | -2,861.6                            | 1,346.7      | 3,156.8                | 3,058.1                 | 98.71                     | 31.981             |          |
| 4,200.0                      | 4,199.4               | 4,236.6               | 4,235.9               | 14.8             | 87.1          | 65.20                 | -2,862.2                            | 1,346.7      | 3,154.3                | 3,052.4                 | 101.89                    | 30.957             |          |
| 4,300.0                      | 4,299.1               | 4,336.4               | 4,335.6               | 15.1             | 89.4          | 65.31                 | -2,862.2                            | 1,346.7      | 3,151.4                | 3,046.9                 | 104.53                    | 30.148             |          |
| 4,400.0                      | 4,398.9               | 4,436.1               | 4,435.4               | 15.5             | 91.7          | 65.43                 | -2,862.2                            | 1,346.7      | 3,148.5                | 3,041.3                 | 107.17                    | 29.378             |          |
| 4,500.0                      | 4,498.6               | 4,531.6               | 4,530.8               | 15.8             | 93.9          | 65.53                 | -2,860.5                            | 1,346.7      | 3,144.1                | 3,034.3                 | 109.71                    | 28.657             |          |
| 4,600.0                      | 4,598.5               | 4,622.4               | 4,621.6               | 16.2             | 96.0          | 65.59                 | -2,860.8                            | 1,346.7      | 3,142.0                | 3,029.8                 | 112.15                    | 28.016             |          |
| 4,700.0                      | 4,698.4               | 4,713.4               | 4,712.5               | 16.5             | 98.1          | 65.63                 | -2,861.3                            | 1,346.7      | 3,141.3                | 3,026.7                 | 114.59                    | 27.414             |          |
| 4,700.5                      | 4,698.9               | 4,713.8               | 4,713.0               | 16.5             | 98.1          | 65.63                 | -2,861.3                            | 1,346.7      | 3,141.3                | 3,026.7                 | 114.60                    | 27.411             |          |
| 4,766.7                      | 4,765.1               | 4,774.0               | 4,773.2               | 16.8             | 99.5          | 155.64                | -2,861.9                            | 1,346.7      | 3,141.6                | 3,025.4                 | 116.22                    | 27.033             |          |
| 4,800.0                      | 4,798.4               | 4,835.8               | 4,834.9               | 16.9             | 100.9         | 155.65                | -2,862.2                            | 1,346.7      | 3,141.7                | 3,024.0                 | 117.73                    | 26.686             |          |
| 4,900.0                      | 4,898.4               | 4,935.8               | 4,934.9               | 17.2             | 103.1         | 155.65                | -2,862.2                            | 1,346.7      | 3,141.7                | 3,021.4                 | 120.30                    | 26.115             |          |
| 5,000.0                      | 4,998.4               | 5,035.8               | 5,034.9               | 17.6             | 105.3         | 155.65                | -2,862.2                            | 1,346.7      | 3,141.7                | 3,018.9                 | 122.88                    | 25.568             |          |
| 5,100.0                      | 5,098.4               | 5,135.8               | 5,134.9               | 17.9             | 107.5         | 155.65                | -2,862.2                            | 1,346.7      | 3,141.7                | 3,016.3                 | 125.45                    | 25.044             |          |
| 5,178.1                      | 5,176.5               | 5,213.9               | 5,213.0               | 18.2             | 109.2         | 155.63                | -2,859.9                            | 1,346.7      | 3,139.7                | 3,012.2                 | 127.46                    | 24.633             |          |
| 5,200.0                      | 5,198.4               | 5,234.3               | 5,233.3               | 18.3             | 109.7         | 155.63                | -2,859.9                            | 1,346.7      | 3,139.7                | 3,011.7                 | 127.99                    | 24.531             |          |
| 5,300.0                      | 5,298.4               | 5,327.3               | 5,326.3               | 18.7             | 111.8         | 155.63                | -2,860.1                            | 1,346.7      | 3,139.9                | 3,009.4                 | 130.41                    | 24.077             |          |
| 5,400.0                      | 5,398.4               | 5,420.3               | 5,419.3               | 19.0             | 113.8         | 155.63                | -2,860.5                            | 1,346.7      | 3,140.2                | 3,007.4                 | 132.82                    | 23.642             |          |
| 5,500.0                      | 5,498.4               | 5,513.3               | 5,512.3               | 19.4             | 115.9         | 155.64                | -2,861.1                            | 1,346.7      | 3,140.8                | 3,005.6                 | 135.24                    | 23.224             |          |
| 5,600.0                      | 5,598.4               | 5,606.3               | 5,605.3               | 19.7             | 117.9         | 155.64                | -2,862.0                            | 1,346.7      | 3,141.7                | 3,004.0                 | 137.66                    | 22.823             |          |
| 5,700.0                      | 5,698.4               | 5,736.0               | 5,734.9               | 20.1             | 120.5         | 155.65                | -2,862.2                            | 1,346.7      | 3,141.7                | 3,001.1                 | 140.61                    | 22.344             |          |
| 5,766.7                      | 5,765.1               | 5,802.7               | 5,801.6               | 20.3             | 121.8         | 155.65                | -2,862.2                            | 1,346.7      | 3,141.7                | 2,999.6                 | 142.15                    | 22.102             |          |
| 5,800.0                      | 5,798.4               | 5,836.0               | 5,834.9               | 20.4             | 122.5         | -22.68                | -2,862.2                            | 1,346.7      | 3,141.6                | 2,998.6                 | 142.91                    | 21.982             |          |
| 5,900.0                      | 5,898.4               | 5,929.0               | 5,927.9               | 20.8             | 124.3         | -22.73                | -2,861.2                            | 1,346.7      | 3,138.0                | 2,993.0                 | 145.06                    | 21.633             |          |
| 6,000.0                      | 5,998.1               | 6,019.3               | 6,018.2               | 21.1             | 126.1         | -22.81                | -2,861.6                            | 1,346.7      | 3,132.5                | 2,985.3                 | 147.14                    | 21.288             |          |
| 6,100.0                      | 6,097.7               | 6,135.3               | 6,134.2               | 21.4             | 128.3         | -22.95                | -2,862.2                            | 1,346.7      | 3,123.9                | 2,974.2                 | 149.71                    | 20.866             |          |
| 6,200.0                      | 6,196.8               | 6,234.4               | 6,233.3               | 21.8             | 130.2         | -23.15                | -2,862.2                            | 1,346.7      | 3,111.6                | 2,959.7                 | 151.89                    | 20.486             |          |
| 6,229.5                      | 6,225.9               | 6,263.5               | 6,262.4               | 21.8             | 130.7         | -23.21                | -2,862.2                            | 1,346.7      | 3,107.3                | 2,954.8                 | 152.53                    | 20.372             |          |
| 6,300.0                      | 6,295.5               | 6,333.1               | 6,332.0               | 22.1             | 132.0         | -23.30                | -2,862.2                            | 1,346.7      | 3,096.9                | 2,942.8                 | 154.06                    | 20.102             |          |
| 6,400.0                      | 6,394.2               | 6,431.8               | 6,430.7               | 22.4             | 133.8         | -23.41                | -2,862.2                            | 1,346.7      | 3,082.1                | 2,925.9                 | 156.23                    | 19.728             |          |
| 6,500.0                      | 6,492.9               | 6,528.4               | 6,527.3               | 22.7             | 135.7         | -23.54                | -2,861.4                            | 1,346.7      | 3,066.6                | 2,908.3                 | 158.37                    | 19.364             |          |
| 6,600.0                      | 6,591.6               | 6,624.0               | 6,622.8               | 23.1             | 137.4         | -23.65                | -2,861.5                            | 1,346.7      | 3,052.0                | 2,891.5                 | 160.48                    | 19.017             |          |
| 6,700.0                      | 6,690.3               | 6,719.5               | 6,718.4               | 23.4             | 139.2         | -23.77                | -2,861.8                            | 1,346.7      | 3,037.4                | 2,874.8                 | 162.60                    | 18.680             |          |
| 6,800.0                      | 6,789.0               | 6,815.2               | 6,814.0               | 23.8             | 141.0         | -23.88                | -2,862.1                            | 1,346.7      | 3,023.0                | 2,858.3                 | 164.72                    | 18.352             |          |
| 6,900.0                      | 6,887.7               | 6,925.3               | 6,924.2               | 24.1             | 143.3         | -24.02                | -2,862.2                            | 1,346.7      | 3,008.3                | 2,841.0                 | 167.28                    | 17.983             |          |
| 7,000.0                      | 6,986.4               | 7,024.0               | 7,022.9               | 24.5             | 145.3         | -24.15                | -2,862.2                            | 1,346.7      | 2,993.6                | 2,824.0                 | 169.63                    | 17.647             |          |
| 7,100.0                      | 7,085.1               | 7,120.5               | 7,119.3               | 24.8             | 147.2         | -24.28                | -2,861.3                            | 1,346.7      | 2,978.2                | 2,806.2                 | 171.94                    | 17.321             |          |
| 7,200.0                      | 7,183.8               | 7,213.0               | 7,211.8               | 25.2             | 149.1         | -24.40                | -2,861.5                            | 1,346.7      | 2,963.6                | 2,789.5                 | 174.17                    | 17.016             |          |
| 7,300.0                      | 7,282.5               | 7,305.5               | 7,304.3               | 25.6             | 151.0         | -24.51                | -2,861.9                            | 1,346.7      | 2,949.4                | 2,773.0                 | 176.40                    | 16.720             |          |
| 7,400.0                      | 7,381.2               | 7,418.9               | 7,417.7               | 25.9             | 153.3         | -24.66                | -2,862.2                            | 1,346.7      | 2,934.9                | 2,755.8                 | 179.06                    | 16.391             |          |
| 7,500.0                      | 7,479.8               | 7,517.6               | 7,516.3               | 26.3             | 155.4         | -24.79                | -2,862.2                            | 1,346.7      | 2,920.2                | 2,738.8                 | 181.42                    | 16.097             |          |
| 7,600.0                      | 7,578.5               | 7,616.3               | 7,615.0               | 26.7             | 157.4         | -24.92                | -2,862.2                            | 1,346.7      | 2,905.6                | 2,721.8                 | 183.78                    | 15.810             |          |
| 7,700.0                      | 7,677.2               | 7,713.5               | 7,712.3               | 27.0             | 159.4         | -25.07                | -2,860.7                            | 1,346.7      | 2,889.7                | 2,703.5                 | 186.11                    | 15.527             |          |
| 7,800.0                      | 7,775.9               | 7,806.2               | 7,804.9               | 27.4             | 161.3         | -25.19                | -2,860.8                            | 1,346.7      | 2,875.2                | 2,686.9                 | 188.35                    | 15.265             |          |
| 7,900.0                      | 7,874.6               | 7,899.0               | 7,897.7               | 27.8             | 163.2         | -25.32                | -2,861.2                            | 1,346.7      | 2,861.0                | 2,670.4                 | 190.60                    | 15.011             |          |
| 8,000.0                      | 7,973.3               | 7,991.8               | 7,990.6               | 28.2             | 165.0         | -25.44                | -2,861.8                            | 1,346.7      | 2,847.0                | 2,654.2                 | 192.84                    | 14.763             |          |
| 8,100.0                      | 8,072.0               | 8,109.9               | 8,108.5               | 28.6             | 167.3         | -25.61                | -2,862.2                            | 1,346.7      | 2,832.7                | 2,637.2                 | 195.48                    | 14.491             |          |
| 8,200.0                      | 8,170.7               | 8,208.6               | 8,207.2               | 28.9             | 169.2         | -25.75                | -2,862.2                            | 1,346.7      | 2,818.2                | 2,620.5                 | 197.68                    | 14.256             |          |
| 8,300.0                      | 8,269.4               | 8,306.1               | 8,304.8               | 29.3             | 171.0         | -25.90                | -2,861.3                            | 1,346.7      | 2,802.9                | 2,603.1                 | 199.87                    | 14.024             |          |
| 8,400.0                      | 8,368.1               | 8,398.8               | 8,397.5               | 29.7             | 172.8         | -26.03                | -2,861.5                            | 1,346.7      | 2,788.6                | 2,586.6                 | 201.97                    | 13.807             |          |
| 8,500.0                      | 8,466.8               | 8,491.7               | 8,490.3               | 30.1             | 174.5         | -26.16                | -2,861.9                            | 1,346.7      | 2,774.5                | 2,570.4                 | 204.07                    | 13.596             |          |
| 8,600.0                      | 8,565.5               | 8,603.4               | 8,602.0               | 30.5             | 176.6         | -26.33                | -2,862.2                            | 1,346.7      | 2,760.2                | 2,553.7                 | 206.47                    | 13.369             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design                |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 151-INC-ONLY |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
| Reference                    |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   | Warning            |          |
| Measured Depth (usft)        | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 8,700.0                      | 8,664.2               | 8,702.1               | 8,700.7               | 30.9             | 178.3         | -26.48                | -2,862.2                            | 1,346.7      | 2,745.8                | 2,537.2                 | 208.60                    | 13.163            |                    |          |
| 8,800.0                      | 8,762.9               | 8,800.8               | 8,799.4               | 31.3             | 180.1         | -26.63                | -2,862.2                            | 1,346.7      | 2,731.3                | 2,520.6                 | 210.74                    | 12.961            |                    |          |
| 8,900.0                      | 8,861.6               | 8,899.5               | 8,898.1               | 31.7             | 181.9         | -26.78                | -2,862.2                            | 1,346.7      | 2,716.9                | 2,504.1                 | 212.87                    | 12.763            |                    |          |
| 9,000.0                      | 8,960.3               | 8,996.1               | 8,994.7               | 32.1             | 183.6         | -26.94                | -2,861.4                            | 1,346.7      | 2,701.8                | 2,486.9                 | 214.97                    | 12.568            |                    |          |
| 9,100.0                      | 9,059.0               | 9,092.2               | 9,090.8               | 32.5             | 185.4         | -27.08                | -2,861.5                            | 1,346.7      | 2,687.6                | 2,470.5                 | 217.06                    | 12.382            |                    |          |
| 9,200.0                      | 9,157.7               | 9,188.3               | 9,187.0               | 32.9             | 187.1         | -27.23                | -2,861.7                            | 1,346.7      | 2,673.5                | 2,454.3                 | 219.16                    | 12.199            |                    |          |
| 9,300.0                      | 9,256.4               | 9,284.5               | 9,283.2               | 33.3             | 188.8         | -27.39                | -2,862.1                            | 1,346.7      | 2,659.5                | 2,438.2                 | 221.25                    | 12.020            |                    |          |
| 9,400.0                      | 9,355.1               | 9,393.0               | 9,391.6               | 33.7             | 190.8         | -27.56                | -2,862.2                            | 1,346.7      | 2,645.2                | 2,421.6                 | 223.57                    | 11.831            |                    |          |
| 9,500.0                      | 9,453.8               | 9,491.7               | 9,490.3               | 34.1             | 192.6         | -27.72                | -2,862.2                            | 1,346.7      | 2,630.9                | 2,405.2                 | 225.72                    | 11.656            |                    |          |
| 9,600.0                      | 9,552.5               | 9,588.6               | 9,587.2               | 34.5             | 194.3         | -27.89                | -2,861.6                            | 1,346.7      | 2,616.2                | 2,388.3                 | 227.84                    | 11.483            |                    |          |
| 9,700.0                      | 9,651.2               | 9,683.5               | 9,682.1               | 34.9             | 196.0         | -28.04                | -2,861.8                            | 1,346.7      | 2,602.1                | 2,372.2                 | 229.92                    | 11.317            |                    |          |
| 9,800.0                      | 9,749.9               | 9,778.4               | 9,777.1               | 35.3             | 197.8         | -28.20                | -2,862.1                            | 1,346.7      | 2,588.1                | 2,356.1                 | 232.00                    | 11.156            |                    |          |
| 9,900.0                      | 9,848.6               | 9,886.5               | 9,885.1               | 35.7             | 199.9         | -28.39                | -2,862.2                            | 1,346.7      | 2,574.0                | 2,339.5                 | 234.47                    | 10.978            |                    |          |
| 10,000.0                     | 9,947.3               | 9,985.2               | 9,983.8               | 36.1             | 201.8         | -28.56                | -2,862.2                            | 1,346.7      | 2,559.8                | 2,323.0                 | 236.78                    | 10.811            |                    |          |
| 10,100.0                     | 10,046.0              | 10,081.0              | 10,079.6              | 36.5             | 203.7         | -28.73                | -2,861.7                            | 1,346.7      | 2,545.2                | 2,306.2                 | 239.03                    | 10.648            |                    |          |
| 10,200.0                     | 10,144.7              | 10,175.6              | 10,174.2              | 36.9             | 205.5         | -28.89                | -2,861.9                            | 1,346.7      | 2,531.3                | 2,290.0                 | 241.27                    | 10.492            |                    |          |
| 10,300.0                     | 10,243.4              | 10,281.3              | 10,279.9              | 37.3             | 207.8         | -29.08                | -2,862.2                            | 1,346.7      | 2,517.4                | 2,273.4                 | 243.93                    | 10.320            |                    |          |
| 10,400.0                     | 10,342.1              | 10,377.5              | 10,376.0              | 37.7             | 210.2         | -29.26                | -2,861.6                            | 1,346.7      | 2,502.8                | 2,256.2                 | 246.65                    | 10.147            |                    |          |
| 10,500.0                     | 10,440.8              | 10,463.3              | 10,461.9              | 38.1             | 212.3         | -29.41                | -2,862.0                            | 1,346.7      | 2,489.1                | 2,240.0                 | 249.12                    | 9.992             |                    |          |
| 10,600.0                     | 10,539.5              | 10,572.8              | 10,571.3              | 38.5             | 215.1         | -29.62                | -2,861.5                            | 1,346.7      | 2,474.6                | 2,222.3                 | 252.30                    | 9.808             |                    |          |
| 10,700.0                     | 10,638.2              | 10,676.3              | 10,674.7              | 39.0             | 217.8         | -29.81                | -2,862.2                            | 1,346.7      | 2,461.2                | 2,205.8                 | 255.38                    | 9.637             |                    |          |
| 10,800.0                     | 10,736.9              | 10,775.0              | 10,773.4              | 39.4             | 220.4         | -29.99                | -2,862.2                            | 1,346.7      | 2,447.2                | 2,188.8                 | 258.35                    | 9.472             |                    |          |
| 10,900.0                     | 10,835.6              | 10,873.7              | 10,872.1              | 39.8             | 223.0         | -30.18                | -2,862.2                            | 1,346.7      | 2,433.2                | 2,171.9                 | 261.33                    | 9.311             |                    |          |
| 11,000.0                     | 10,934.3              | 10,972.4              | 10,970.8              | 40.2             | 225.6         | -30.37                | -2,862.2                            | 1,346.7      | 2,419.3                | 2,155.0                 | 264.31                    | 9.153             |                    |          |
| 11,100.0                     | 11,033.0              | 11,071.1              | 11,069.5              | 40.6             | 228.2         | -30.57                | -2,862.2                            | 1,346.7      | 2,405.4                | 2,138.1                 | 267.28                    | 8.999             |                    |          |
| 11,200.0                     | 11,131.7              | 11,169.8              | 11,168.2              | 41.0             | 230.8         | -30.76                | -2,862.2                            | 1,346.7      | 2,391.5                | 2,121.2                 | 270.26                    | 8.849             |                    |          |
| 11,300.0                     | 11,230.4              | 11,268.5              | 11,266.9              | 41.4             | 233.4         | -30.96                | -2,862.2                            | 1,346.7      | 2,377.6                | 2,104.4                 | 273.24                    | 8.702             |                    |          |
| 11,400.0                     | 11,329.1              | 11,367.2              | 11,365.6              | 41.9             | 236.0         | -31.16                | -2,862.2                            | 1,346.7      | 2,363.8                | 2,087.6                 | 276.22                    | 8.558             |                    |          |
| 11,500.0                     | 11,427.8              | 11,465.9              | 11,464.3              | 42.3             | 238.6         | -31.36                | -2,862.2                            | 1,346.7      | 2,350.0                | 2,070.8                 | 279.20                    | 8.417             |                    |          |
| 11,535.3                     | 11,462.6              | 11,500.7              | 11,499.1              | 42.4             | 239.5         | -31.43                | -2,862.2                            | 1,346.7      | 2,345.1                | 2,064.9                 | 280.26                    | 8.368             |                    |          |
| 11,600.0                     | 11,526.5              | 11,564.6              | 11,563.0              | 42.7             | 241.2         | -31.49                | -2,862.2                            | 1,346.7      | 2,336.7                | 2,054.5                 | 282.19                    | 8.281             |                    |          |
| 11,700.0                     | 11,625.7              | 11,661.2              | 11,659.5              | 43.1             | 243.7         | -31.65                | -2,856.2                            | 1,346.7      | 2,320.5                | 2,035.4                 | 285.11                    | 8.139             |                    |          |
| 11,800.0                     | 11,725.1              | 11,758.1              | 11,756.4              | 43.5             | 246.3         | -31.71                | -2,856.4                            | 1,346.7      | 2,311.7                | 2,023.6                 | 288.03                    | 8.026             |                    |          |
| 11,900.0                     | 11,824.8              | 11,855.2              | 11,853.5              | 43.9             | 248.9         | -31.75                | -2,856.7                            | 1,346.7      | 2,305.2                | 2,014.3                 | 290.96                    | 7.923             |                    |          |
| 12,000.0                     | 11,924.7              | 11,952.5              | 11,950.8              | 44.2             | 251.4         | -31.78                | -2,857.1                            | 1,346.7      | 2,301.1                | 2,007.2                 | 293.88                    | 7.830             |                    |          |
| 12,100.0                     | 12,024.6              | 12,049.9              | 12,048.1              | 44.6             | 254.0         | -31.79                | -2,857.7                            | 1,346.7      | 2,299.3                | 2,002.5                 | 296.79                    | 7.747             |                    |          |
| 12,125.5                     | 12,050.2              | 12,074.7              | 12,073.0              | 44.6             | 254.6         | -31.79                | -2,857.9                            | 1,346.7      | 2,299.3                | 2,001.7                 | 297.54                    | 7.728             |                    |          |
| 12,152.4                     | 12,077.0              | 12,100.9              | 12,099.1              | 44.7             | 255.3         | -31.79                | -2,858.1                            | 1,346.7      | 2,299.4                | 2,001.0                 | 298.32                    | 7.708             |                    |          |
| 12,200.0                     | 12,124.6              | 12,147.2              | 12,145.5              | 44.9             | 256.5         | -37.52                | -2,858.5                            | 1,346.7      | 2,298.1                | 1,998.4                 | 299.71                    | 7.668             |                    |          |
| 12,250.0                     | 12,174.2              | 12,195.6              | 12,193.8              | 45.1             | 257.8         | -37.90                | -2,858.9                            | 1,346.7      | 2,293.4                | 1,992.3                 | 301.17                    | 7.615             |                    |          |
| 12,300.0                     | 12,223.0              | 12,243.3              | 12,241.5              | 45.3             | 259.1         | -38.55                | -2,859.3                            | 1,346.7      | 2,285.4                | 1,982.8                 | 302.63                    | 7.552             |                    |          |
| 12,350.0                     | 12,270.7              | 12,289.9              | 12,288.2              | 45.6             | 260.3         | -39.50                | -2,859.8                            | 1,346.7      | 2,274.1                | 1,970.0                 | 304.07                    | 7.479             |                    |          |
| 12,400.0                     | 12,317.0              | 12,335.2              | 12,333.5              | 45.8             | 261.5         | -40.77                | -2,860.3                            | 1,346.7      | 2,259.6                | 1,954.1                 | 305.48                    | 7.397             |                    |          |
| 12,450.0                     | 12,361.4              | 12,378.8              | 12,377.0              | 46.1             | 262.6         | -42.36                | -2,860.7                            | 1,346.7      | 2,242.0                | 1,935.2                 | 306.85                    | 7.307             |                    |          |
| 12,500.0                     | 12,403.7              | 12,420.3              | 12,418.5              | 46.4             | 263.7         | -44.32                | -2,861.2                            | 1,346.7      | 2,221.6                | 1,913.5                 | 308.18                    | 7.209             |                    |          |
| 12,550.0                     | 12,443.5              | 12,459.5              | 12,457.7              | 46.7             | 264.8         | -46.66                | -2,861.7                            | 1,346.7      | 2,198.6                | 1,889.1                 | 309.44                    | 7.105             |                    |          |
| 12,600.0                     | 12,480.5              | 12,519.4              | 12,517.0              | 47.1             | 266.4         | -49.79                | -2,862.2                            | 1,346.7      | 2,173.0                | 1,861.6                 | 311.35                    | 6.979             |                    |          |
| 12,650.0                     | 12,514.4              | 12,553.3              | 12,550.9              | 47.4             | 267.5         | -53.05                | -2,862.2                            | 1,346.7      | 2,145.0                | 1,832.4                 | 312.62                    | 6.861             |                    |          |
| 12,700.0                     | 12,545.0              | 12,583.9              | 12,581.5              | 47.8             | 268.4         | -56.75                | -2,862.2                            | 1,346.7      | 2,115.2                | 1,801.4                 | 313.80                    | 6.740             |                    |          |
| 12,750.0                     | 12,572.0              | 12,611.0              | 12,608.5              | 48.1             | 269.2         | -60.88                | -2,862.2                            | 1,346.7      | 2,083.8                | 1,768.9                 | 314.88                    | 6.618             |                    |          |
| 12,800.0                     | 12,595.3              | 12,634.2              | 12,631.8              | 48.5             | 269.9         | -65.39                | -2,862.2                            | 1,346.7      | 2,051.2                | 1,735.3                 | 315.85                    | 6.494             |                    |          |
| 12,850.0                     | 12,614.6              | 12,653.6              | 12,651.1              | 48.9             | 270.5         | -70.19                | -2,862.2                            | 1,346.7      | 2,017.7                | 1,701.0                 | 316.72                    | 6.371             |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design                |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 151-INC-ONLY |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference                    |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)        | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 12,900.0                     | 12,629.8              | 12,668.8              | 12,666.3              | 49.3             | 271.0         | -75.17                | -2,862.2                            | 1,346.7      | 1,983.6                | 1,666.2                 | 317.47                    | 6.248              |          |
| 12,950.0                     | 12,640.8              | 12,679.8              | 12,677.3              | 49.7             | 271.3         | -80.19                | -2,862.2                            | 1,346.7      | 1,949.3                | 1,631.2                 | 318.11                    | 6.128              |          |
| 13,000.0                     | 12,647.6              | 12,686.5              | 12,684.1              | 50.1             | 271.5         | -85.11                | -2,862.2                            | 1,346.7      | 1,915.1                | 1,596.5                 | 318.63                    | 6.010              |          |
| 13,052.4                     | 12,650.0              | 12,688.9              | 12,686.5              | 50.5             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 1,879.7                | 1,560.7                 | 319.05                    | 5.892              |          |
| 13,100.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 50.9             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 1,847.9                | 1,528.5                 | 319.39                    | 5.786              |          |
| 13,200.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 51.8             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 1,781.5                | 1,461.3                 | 320.16                    | 5.564              |          |
| 13,267.5                     | 12,650.0              | 12,688.9              | 12,686.5              | 52.4             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 1,736.9                | 1,416.1                 | 320.73                    | 5.415              |          |
| 13,300.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 52.7             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 1,715.7                | 1,394.6                 | 321.02                    | 5.344              |          |
| 13,400.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 53.6             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 1,652.6                | 1,330.7                 | 322.00                    | 5.133              |          |
| 13,500.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 54.6             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 1,593.4                | 1,270.3                 | 323.10                    | 4.932              |          |
| 13,600.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 55.6             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 1,538.4                | 1,214.1                 | 324.32                    | 4.744              |          |
| 13,700.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 56.6             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 1,488.1                | 1,162.5                 | 325.66                    | 4.570              |          |
| 13,800.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 57.6             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 1,443.0                | 1,115.9                 | 327.11                    | 4.412              |          |
| 13,900.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 58.7             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 1,403.6                | 1,075.0                 | 328.63                    | 4.271              |          |
| 14,000.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 59.8             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 1,370.4                | 1,040.2                 | 330.20                    | 4.150              |          |
| 14,100.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 61.0             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 1,343.8                | 1,012.0                 | 331.78                    | 4.050              |          |
| 14,200.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 62.1             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 1,324.2                | 990.9                   | 333.32                    | 3.973              |          |
| 14,300.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 63.3             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 1,312.0                | 977.2                   | 334.77                    | 3.919              |          |
| 14,400.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 64.5             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 1,307.3                | 971.2                   | 336.10                    | 3.890              |          |
| 14,411.1                     | 12,650.0              | 12,688.9              | 12,686.5              | 64.7             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 1,307.3                | 971.0                   | 336.23                    | 3.888 CC, ES       |          |
| 14,500.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 65.7             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 1,310.3                | 973.0                   | 337.25                    | 3.885 SF           |          |
| 14,600.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 67.0             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 1,320.8                | 982.6                   | 338.20                    | 3.906              |          |
| 14,700.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 68.2             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 1,338.8                | 999.9                   | 338.94                    | 3.950              |          |
| 14,800.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 69.5             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 1,363.9                | 1,024.4                 | 339.47                    | 4.018              |          |
| 14,900.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 70.8             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 1,395.7                | 1,055.9                 | 339.80                    | 4.107              |          |
| 15,000.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 72.1             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 1,433.8                | 1,093.8                 | 339.94                    | 4.218              |          |
| 15,100.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 73.4             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 1,477.7                | 1,137.7                 | 339.93                    | 4.347              |          |
| 15,200.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 74.8             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 1,526.9                | 1,187.1                 | 339.79                    | 4.494              |          |
| 15,300.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 76.1             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 1,580.8                | 1,241.3                 | 339.54                    | 4.656              |          |
| 15,400.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 77.5             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 1,639.2                | 1,299.9                 | 339.22                    | 4.832              |          |
| 15,500.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 78.8             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 1,701.4                | 1,362.5                 | 338.84                    | 5.021              |          |
| 15,600.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 80.2             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 1,767.0                | 1,428.6                 | 338.42                    | 5.221              |          |
| 15,700.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 81.6             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 1,835.8                | 1,497.8                 | 337.97                    | 5.432              |          |
| 15,800.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 83.0             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 1,907.4                | 1,569.8                 | 337.52                    | 5.651              |          |
| 15,900.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 84.4             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 1,981.4                | 1,644.3                 | 337.06                    | 5.878              |          |
| 16,000.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 85.9             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 2,057.6                | 1,721.0                 | 336.60                    | 6.113              |          |
| 16,100.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 87.3             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 2,135.7                | 1,799.6                 | 336.16                    | 6.353              |          |
| 16,200.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 88.7             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 2,215.7                | 1,879.9                 | 335.73                    | 6.600              |          |
| 16,300.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 90.2             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 2,297.2                | 1,961.8                 | 335.31                    | 6.851              |          |
| 16,400.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 91.6             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 2,380.1                | 2,045.1                 | 334.91                    | 7.106              |          |
| 16,500.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 93.1             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 2,464.2                | 2,129.7                 | 334.53                    | 7.366              |          |
| 16,600.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 94.5             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 2,549.6                | 2,215.4                 | 334.17                    | 7.629              |          |
| 16,700.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 96.0             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 2,635.9                | 2,302.1                 | 333.83                    | 7.896              |          |
| 16,800.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 97.5             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 2,723.2                | 2,389.7                 | 333.51                    | 8.165              |          |
| 16,900.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 99.0             | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 2,811.3                | 2,478.1                 | 333.20                    | 8.437              |          |
| 17,000.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 100.5            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 2,900.2                | 2,567.3                 | 332.92                    | 8.712              |          |
| 17,100.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 101.9            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 2,989.8                | 2,657.2                 | 332.65                    | 8.988              |          |
| 17,200.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 103.4            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 3,080.1                | 2,747.7                 | 332.39                    | 9.266              |          |
| 17,300.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 104.9            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 3,170.9                | 2,838.8                 | 332.15                    | 9.547              |          |
| 17,400.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 106.5            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 3,262.3                | 2,930.4                 | 331.93                    | 9.828              |          |
| 17,500.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 108.0            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 3,354.1                | 3,022.4                 | 331.72                    | 10.111             |          |
| 17,600.0                     | 12,650.0              | 12,688.9              | 12,686.5              | 109.5            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 3,446.5                | 3,114.9                 | 331.52                    | 10.396             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design Hat Mesa - Hat Mesa #1 - Wellbore #1 - Wellbore #1 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 151-INC-ONLY                                     |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
| Reference                                                        |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   | Warning            |          |
| Measured Depth (usft)                                            | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 17,700.0                                                         | 12,650.0              | 12,688.9              | 12,686.5              | 111.0            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 3,539.2                | 3,207.8                 | 331.34                    | 10.681            |                    |          |
| 17,800.0                                                         | 12,650.0              | 12,688.9              | 12,686.5              | 112.5            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 3,632.3                | 3,301.1                 | 331.17                    | 10.968            |                    |          |
| 17,900.0                                                         | 12,650.0              | 12,688.9              | 12,686.5              | 114.1            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 3,725.8                | 3,394.8                 | 331.01                    | 11.256            |                    |          |
| 18,000.0                                                         | 12,650.0              | 12,688.9              | 12,686.5              | 115.6            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 3,819.6                | 3,488.7                 | 330.86                    | 11.544            |                    |          |
| 18,100.0                                                         | 12,650.0              | 12,688.9              | 12,686.5              | 117.1            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 3,913.7                | 3,583.0                 | 330.72                    | 11.834            |                    |          |
| 18,200.0                                                         | 12,650.0              | 12,688.9              | 12,686.5              | 118.7            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 4,008.1                | 3,677.5                 | 330.59                    | 12.124            |                    |          |
| 18,300.0                                                         | 12,650.0              | 12,688.9              | 12,686.5              | 120.2            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 4,102.7                | 3,772.3                 | 330.48                    | 12.415            |                    |          |
| 18,400.0                                                         | 12,650.0              | 12,688.9              | 12,686.5              | 121.8            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 4,197.7                | 3,867.3                 | 330.36                    | 12.706            |                    |          |
| 18,500.0                                                         | 12,650.0              | 12,688.9              | 12,686.5              | 123.3            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 4,292.8                | 3,962.5                 | 330.26                    | 12.998            |                    |          |
| 18,600.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 124.9            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 4,388.2                | 4,058.0                 | 330.17                    | 13.291            |                    |          |
| 18,700.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 126.4            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 4,483.7                | 4,153.6                 | 330.08                    | 13.584            |                    |          |
| 18,800.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 128.0            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 4,579.5                | 4,249.5                 | 330.00                    | 13.877            |                    |          |
| 18,900.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 129.5            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 4,675.4                | 4,345.5                 | 329.93                    | 14.171            |                    |          |
| 19,000.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 131.1            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 4,771.5                | 4,441.6                 | 329.86                    | 14.465            |                    |          |
| 19,100.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 132.6            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 4,867.7                | 4,537.9                 | 329.80                    | 14.760            |                    |          |
| 19,200.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 134.2            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 4,964.1                | 4,634.4                 | 329.75                    | 15.054            |                    |          |
| 19,300.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 135.8            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 5,060.7                | 4,731.0                 | 329.70                    | 15.349            |                    |          |
| 19,400.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 137.3            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 5,157.3                | 4,827.7                 | 329.65                    | 15.645            |                    |          |
| 19,500.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 138.9            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 5,254.1                | 4,924.5                 | 329.62                    | 15.940            |                    |          |
| 19,600.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 140.5            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 5,351.0                | 5,021.5                 | 329.58                    | 16.236            |                    |          |
| 19,700.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 142.1            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 5,448.1                | 5,118.5                 | 329.55                    | 16.532            |                    |          |
| 19,800.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 143.6            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 5,545.2                | 5,215.7                 | 329.53                    | 16.828            |                    |          |
| 19,900.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 145.2            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 5,642.4                | 5,312.9                 | 329.51                    | 17.124            |                    |          |
| 20,000.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 146.8            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 5,739.8                | 5,410.3                 | 329.49                    | 17.420            |                    |          |
| 20,100.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 148.4            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 5,837.2                | 5,507.7                 | 329.48                    | 17.716            |                    |          |
| 20,200.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 150.0            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 5,934.7                | 5,605.2                 | 329.47                    | 18.013            |                    |          |
| 20,300.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 151.6            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 6,032.3                | 5,702.8                 | 329.47                    | 18.309            |                    |          |
| 20,400.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 153.2            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 6,129.9                | 5,800.5                 | 329.47                    | 18.605            |                    |          |
| 20,500.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 154.7            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 6,227.7                | 5,898.2                 | 329.47                    | 18.902            |                    |          |
| 20,600.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 156.3            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 6,325.5                | 5,996.0                 | 329.48                    | 19.198            |                    |          |
| 20,700.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 157.9            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 6,423.3                | 6,093.9                 | 329.49                    | 19.495            |                    |          |
| 20,800.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 159.5            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 6,521.3                | 6,191.8                 | 329.50                    | 19.791            |                    |          |
| 20,900.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 161.1            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 6,619.3                | 6,289.8                 | 329.52                    | 20.088            |                    |          |
| 21,000.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 162.7            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 6,717.3                | 6,387.8                 | 329.53                    | 20.384            |                    |          |
| 21,100.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 164.3            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 6,815.5                | 6,485.9                 | 329.55                    | 20.681            |                    |          |
| 21,200.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 165.9            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 6,913.6                | 6,584.0                 | 329.58                    | 20.977            |                    |          |
| 21,300.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 167.5            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 7,011.8                | 6,682.2                 | 329.61                    | 21.273            |                    |          |
| 21,400.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 169.1            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 7,110.1                | 6,780.5                 | 329.63                    | 21.570            |                    |          |
| 21,500.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 170.7            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 7,208.4                | 6,878.8                 | 329.67                    | 21.866            |                    |          |
| 21,600.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 172.3            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 7,306.8                | 6,977.1                 | 329.70                    | 22.162            |                    |          |
| 21,700.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 173.9            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 7,405.2                | 7,075.5                 | 329.74                    | 22.458            |                    |          |
| 21,800.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 175.5            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 7,503.7                | 7,173.9                 | 329.77                    | 22.754            |                    |          |
| 21,900.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 177.1            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 7,602.1                | 7,272.3                 | 329.82                    | 23.050            |                    |          |
| 22,000.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 178.7            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 7,700.7                | 7,370.8                 | 329.86                    | 23.345            |                    |          |
| 22,100.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 180.3            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 7,799.2                | 7,469.3                 | 329.90                    | 23.641            |                    |          |
| 22,200.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 182.0            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 7,897.8                | 7,567.9                 | 329.95                    | 23.937            |                    |          |
| 22,300.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 183.6            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 7,996.5                | 7,666.5                 | 330.00                    | 24.232            |                    |          |
| 22,400.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 185.2            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 8,095.2                | 7,765.1                 | 330.05                    | 24.527            |                    |          |
| 22,500.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 186.8            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 8,193.9                | 7,863.8                 | 330.10                    | 24.822            |                    |          |
| 22,600.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 188.4            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 8,292.6                | 7,962.4                 | 330.16                    | 25.117            |                    |          |
| 22,700.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 190.0            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 8,391.4                | 8,061.1                 | 330.21                    | 25.412            |                    |          |
| 22,800.0                                                         | 12,650.0              | 12,689.0              | 12,686.5              | 191.6            | 271.6         | -90.00                | -2,862.2                            | 1,346.7      | 8,490.2                | 8,159.9                 | 330.27                    | 25.707            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design                |                       |                       |                       |                  |               |                       |                              |                     |                        |                         |                           |                   | Hat Mesa - Hat Mesa #1 - Wellbore #1 - Wellbore #1 |  | Offset Site Error: |  | 0.0 usft |  |
|------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|------------------------------|---------------------|------------------------|-------------------------|---------------------------|-------------------|----------------------------------------------------|--|--------------------|--|----------|--|
| Survey Program: 151-INC-ONLY |                       |                       |                       |                  |               |                       |                              |                     |                        |                         |                           |                   | Offset Well Error:                                 |  | 0.0 usft           |  |          |  |
| Reference                    |                       | Offset                |                       | Semi Major Axis  |               | Distance              |                              |                     |                        |                         |                           |                   |                                                    |  |                    |  |          |  |
| Measured Depth (usft)        | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore +N/-S (usft) | Centre +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor | Warning                                            |  |                    |  |          |  |
| 22,884.1                     | 12,650.0              | 12,689.0              | 12,686.5              | 193.0            | 271.6         | -90.00                | -2,862.2                     | 1,346.7             | 8,573.3                | 8,243.0                 | 330.32                    | 25.954            |                                                    |  |                    |  |          |  |

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|-------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 143-MWD |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference               |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)   | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 0.0                     | 0.0                   | 0.0                   | 0.0                   | 0.0              | 0.0           | -109.83               | -654.2                              | -1,814.1     | 1,928.5                |                         |                           |                    |          |
| 100.0                   | 100.0                 | 92.8                  | 92.8                  | 0.1              | 0.1           | -109.83               | -654.1                              | -1,814.0     | 1,928.3                | 1,928.1                 | 0.26                      | 7,439.570          |          |
| 200.0                   | 200.0                 | 190.2                 | 190.2                 | 0.5              | 0.4           | -109.82               | -653.8                              | -1,813.8     | 1,928.0                | 1,927.2                 | 0.86                      | 2,250.880          |          |
| 232.2                   | 232.2                 | 219.7                 | 219.7                 | 0.6              | 0.5           | -109.82               | -653.8                              | -1,813.8     | 1,928.0                | 1,926.9                 | 1.08                      | 1,790.186          |          |
| 300.0                   | 300.0                 | 289.0                 | 289.0                 | 0.8              | 0.7           | -109.81               | -653.4                              | -1,814.0     | 1,928.0                | 1,926.5                 | 1.57                      | 1,231.375          |          |
| 400.0                   | 400.0                 | 390.4                 | 390.4                 | 1.2              | 1.1           | -109.80               | -652.9                              | -1,813.9     | 1,927.8                | 1,925.6                 | 2.29                      | 843.566            |          |
| 500.0                   | 500.0                 | 495.2                 | 495.2                 | 1.6              | 1.5           | -109.76               | -651.7                              | -1,813.8     | 1,927.4                | 1,924.4                 | 3.02                      | 638.466            |          |
| 600.0                   | 600.0                 | 598.3                 | 598.2                 | 1.9              | 1.8           | -109.72               | -650.1                              | -1,814.0     | 1,927.1                | 1,923.3                 | 3.75                      | 514.384            |          |
| 700.0                   | 700.0                 | 698.9                 | 698.9                 | 2.3              | 2.2           | -109.66               | -648.1                              | -1,813.9     | 1,926.3                | 1,921.8                 | 4.47                      | 431.349            |          |
| 800.0                   | 800.0                 | 802.7                 | 802.6                 | 2.6              | 2.6           | -109.61               | -646.3                              | -1,813.9     | 1,925.7                | 1,920.5                 | 5.20                      | 370.583            |          |
| 900.0                   | 900.0                 | 894.0                 | 893.9                 | 3.0              | 2.9           | -109.57               | -644.7                              | -1,813.9     | 1,925.1                | 1,919.2                 | 5.88                      | 327.284            |          |
| 1,000.0                 | 1,000.0               | 990.6                 | 990.5                 | 3.4              | 3.2           | -109.53               | -643.4                              | -1,814.1     | 1,924.9                | 1,918.3                 | 6.59                      | 292.246            |          |
| 1,100.0                 | 1,100.0               | 1,091.4               | 1,091.3               | 3.7              | 3.6           | -109.49               | -642.0                              | -1,814.5     | 1,924.7                | 1,917.4                 | 7.31                      | 263.441            |          |
| 1,125.2                 | 1,125.2               | 1,112.8               | 1,112.7               | 3.8              | 3.7           | -109.48               | -641.7                              | -1,814.5     | 1,924.7                | 1,917.2                 | 7.47                      | 257.578            |          |
| 1,200.0                 | 1,200.0               | 1,174.4               | 1,174.3               | 4.1              | 3.9           | -109.46               | -641.3                              | -1,814.9     | 1,924.9                | 1,917.0                 | 7.96                      | 241.927            |          |
| 1,300.0                 | 1,300.0               | 1,251.1               | 1,251.0               | 4.4              | 4.2           | -109.45               | -641.3                              | -1,815.9     | 1,926.2                | 1,917.6                 | 8.58                      | 224.522            |          |
| 1,400.0                 | 1,400.0               | 1,330.4               | 1,330.3               | 4.8              | 4.4           | -109.44               | -641.6                              | -1,817.9     | 1,928.7                | 1,919.4                 | 9.21                      | 209.459            |          |
| 1,500.0                 | 1,500.0               | 1,410.4               | 1,410.2               | 5.1              | 4.7           | -109.43               | -642.4                              | -1,820.6     | 1,932.1                | 1,922.3                 | 9.84                      | 196.399            |          |
| 1,600.0                 | 1,600.0               | 1,493.5               | 1,493.3               | 5.5              | 5.0           | -109.44               | -643.7                              | -1,824.1     | 1,936.7                | 1,926.2                 | 10.48                     | 184.828            |          |
| 1,700.0                 | 1,700.0               | 1,599.9               | 1,599.5               | 5.9              | 5.4           | -109.45               | -645.9                              | -1,828.7     | 1,941.4                | 1,930.2                 | 11.20                     | 173.305            |          |
| 1,800.0                 | 1,800.0               | 1,800.0               | 1,736.6               | 6.2              | 6.0           | -109.50               | -648.8                              | -1,832.8     | 1,944.9                | 1,932.6                 | 12.25                     | 158.779            |          |
| 1,900.0                 | 1,900.0               | 1,920.0               | 1,919.5               | 6.6              | 6.4           | -109.61               | -652.3                              | -1,831.2     | 1,944.1                | 1,931.1                 | 13.01                     | 149.431            |          |
| 2,000.0                 | 2,000.0               | 2,023.6               | 2,023.0               | 6.9              | 6.8           | -109.67               | -653.8                              | -1,828.6     | 1,942.3                | 1,928.6                 | 13.72                     | 141.569            |          |
| 2,100.0                 | 2,100.0               | 2,121.0               | 2,120.4               | 7.3              | 7.1           | -109.74               | -655.3                              | -1,826.3     | 1,940.5                | 1,926.1                 | 14.41                     | 134.652            |          |
| 2,200.0                 | 2,200.0               | 2,221.8               | 2,221.1               | 7.7              | 7.5           | -109.80               | -656.7                              | -1,823.9     | 1,938.9                | 1,923.7                 | 15.12                     | 128.262            |          |
| 2,300.0                 | 2,300.0               | 2,324.0               | 2,323.3               | 8.0              | 7.8           | -109.86               | -657.8                              | -1,821.6     | 1,937.1                | 1,921.2                 | 15.83                     | 122.386            |          |
| 2,400.0                 | 2,400.0               | 2,457.8               | 2,457.0               | 8.4              | 8.3           | -109.92               | -658.5                              | -1,817.5     | 1,934.4                | 1,917.7                 | 16.64                     | 116.224            |          |
| 2,500.0                 | 2,500.0               | 2,580.1               | 2,579.2               | 8.7              | 8.7           | -109.96               | -658.0                              | -1,812.1     | 1,930.1                | 1,912.6                 | 17.42                     | 110.788            |          |
| 2,600.0                 | 2,600.0               | 2,802.7               | 2,801.1               | 9.1              | 9.5           | -109.94               | -652.0                              | -1,796.7     | 1,923.3                | 1,904.8                 | 18.48                     | 104.096            |          |
| 2,700.0                 | 2,700.0               | 2,911.5               | 2,909.2               | 9.4              | 9.9           | -109.91               | -646.7                              | -1,785.4     | 1,911.8                | 1,892.6                 | 19.20                     | 99.549             |          |
| 2,800.0                 | 2,800.0               | 2,992.0               | 2,989.2               | 9.8              | 10.2          | -109.89               | -642.8                              | -1,777.1     | 1,900.5                | 1,880.7                 | 19.86                     | 95.677             |          |
| 2,900.0                 | 2,900.0               | 3,070.3               | 3,067.1               | 10.2             | 10.5          | -109.84               | -638.7                              | -1,770.1     | 1,890.3                | 1,869.8                 | 20.52                     | 92.130             |          |
| 3,000.0                 | 3,000.0               | 3,172.8               | 3,169.1               | 10.5             | 10.8          | -109.77               | -633.1                              | -1,761.8     | 1,880.9                | 1,859.7                 | 21.24                     | 88.575             |          |
| 3,100.0                 | 3,100.0               | 3,238.6               | 3,234.7               | 10.9             | 11.1          | -109.74               | -630.2                              | -1,756.6     | 1,872.1                | 1,850.2                 | 21.86                     | 85.658             |          |
| 3,200.0                 | 3,200.0               | 3,302.1               | 3,297.9               | 11.2             | 11.3          | -109.72               | -628.3                              | -1,752.7     | 1,865.2                | 1,842.7                 | 22.46                     | 83.037             |          |
| 3,300.0                 | 3,300.0               | 3,370.0               | 3,365.8               | 11.6             | 11.6          | -109.73               | -627.4                              | -1,749.5     | 1,860.2                | 1,837.1                 | 23.08                     | 80.611             |          |
| 3,400.0                 | 3,400.0               | 3,480.9               | 3,476.6               | 12.0             | 11.9          | -109.75               | -626.5                              | -1,744.6     | 1,855.9                | 1,832.0                 | 23.82                     | 77.900             |          |
| 3,500.0                 | 3,500.0               | 3,606.3               | 3,601.8               | 12.3             | 12.4          | -109.74               | -623.8                              | -1,738.3     | 1,850.3                | 1,825.7                 | 24.61                     | 75.176             |          |
| 3,600.0                 | 3,600.0               | 3,701.6               | 3,696.9               | 12.7             | 12.7          | -109.72               | -621.1                              | -1,733.1     | 1,844.3                | 1,819.0                 | 25.31                     | 72.858             |          |
| 3,700.0                 | 3,700.0               | 3,792.2               | 3,787.4               | 13.0             | 13.1          | -109.69               | -618.5                              | -1,728.5     | 1,838.6                | 1,812.6                 | 26.00                     | 70.714             |          |
| 3,800.0                 | 3,800.0               | 3,879.9               | 3,874.9               | 13.4             | 13.4          | -109.65               | -616.0                              | -1,724.7     | 1,833.5                | 1,806.8                 | 26.68                     | 68.728             |          |
| 3,900.0                 | 3,900.0               | 3,963.2               | 3,958.2               | 13.7             | 13.7          | 160.42                | -613.6                              | -1,721.6     | 1,830.7                | 1,803.4                 | 27.33                     | 66.986             |          |
| 3,912.9                 | 3,912.8               | 3,973.4               | 3,968.3               | 13.8             | 13.7          | 160.42                | -613.4                              | -1,721.3     | 1,830.7                | 1,803.3                 | 27.41                     | 66.787             |          |
| 4,000.0                 | 3,999.8               | 4,048.6               | 4,043.5               | 14.1             | 14.0          | 160.45                | -612.9                              | -1,718.9     | 1,832.3                | 1,804.4                 | 27.98                     | 65.489             |          |
| 4,100.0                 | 4,099.6               | 4,165.4               | 4,160.2               | 14.4             | 14.4          | 160.51                | -612.3                              | -1,715.0     | 1,835.6                | 1,806.9                 | 28.73                     | 63.890             |          |
| 4,200.0                 | 4,199.4               | 4,297.6               | 4,292.3               | 14.8             | 14.9          | 160.58                | -610.9                              | -1,708.6     | 1,837.3                | 1,807.7                 | 29.53                     | 62.222             |          |
| 4,300.0                 | 4,299.1               | 4,395.7               | 4,390.2               | 15.1             | 15.3          | 160.60                | -610.5                              | -1,702.8     | 1,838.1                | 1,807.9                 | 30.22                     | 60.820             |          |
| 4,400.0                 | 4,398.9               | 4,492.7               | 4,487.0               | 15.5             | 15.6          | 160.61                | -610.6                              | -1,697.0     | 1,839.2                | 1,808.2                 | 30.92                     | 59.491             |          |
| 4,500.0                 | 4,498.6               | 4,603.4               | 4,597.5               | 15.8             | 16.0          | 160.61                | -611.0                              | -1,690.1     | 1,840.0                | 1,808.3                 | 31.65                     | 58.138             |          |
| 4,600.0                 | 4,598.5               | 4,708.6               | 4,702.5               | 16.2             | 16.4          | 160.55                | -612.1                              | -1,682.8     | 1,839.1                | 1,806.7                 | 32.37                     | 56.820             |          |
| 4,700.0                 | 4,698.4               | 4,808.2               | 4,801.7               | 16.5             | 16.8          | 160.46                | -613.4                              | -1,675.7     | 1,835.7                | 1,802.6                 | 33.07                     | 55.511             |          |
| 4,766.7                 | 4,765.1               | 4,877.9               | 4,871.3               | 16.8             | 17.0          | -109.63               | -614.3                              | -1,670.6     | 1,832.0                | 1,798.4                 | 33.55                     | 54.603             |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|-------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 143-MWD |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
| Reference               |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   |                    | Warning  |
| Measured Depth (usft)   | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 4,800.0                 | 4,798.4               | 4,913.4               | 4,906.7               | 16.9             | 17.1          | -109.68               | -614.8                              | -1,668.0     | 1,829.8                | 1,796.0                 | 33.80                     | 54.143            |                    |          |
| 4,900.0                 | 4,898.4               | 5,021.8               | 5,014.7               | 17.2             | 17.5          | -109.81               | -616.2                              | -1,659.7     | 1,823.0                | 1,788.4                 | 34.53                     | 52.789            |                    |          |
| 5,000.0                 | 4,998.4               | 5,124.2               | 5,116.8               | 17.6             | 17.9          | -109.94               | -617.7                              | -1,651.3     | 1,815.8                | 1,780.5                 | 35.26                     | 51.503            |                    |          |
| 5,100.0                 | 5,098.4               | 5,210.8               | 5,203.0               | 17.9             | 18.2          | -110.09               | -619.9                              | -1,644.1     | 1,808.8                | 1,772.9                 | 35.94                     | 50.335            |                    |          |
| 5,200.0                 | 5,198.4               | 5,292.5               | 5,284.4               | 18.3             | 18.5          | -110.27               | -623.5                              | -1,637.6     | 1,802.8                | 1,766.2                 | 36.60                     | 49.258            |                    |          |
| 5,300.0                 | 5,298.4               | 5,383.3               | 5,374.7               | 18.7             | 18.9          | -110.54               | -630.1                              | -1,630.3     | 1,797.8                | 1,760.5                 | 37.29                     | 48.212            |                    |          |
| 5,400.0                 | 5,398.4               | 5,489.4               | 5,480.1               | 19.0             | 19.2          | -110.88               | -638.0                              | -1,621.5     | 1,792.7                | 1,754.7                 | 38.02                     | 47.146            |                    |          |
| 5,500.0                 | 5,498.4               | 5,583.7               | 5,573.8               | 19.4             | 19.6          | -111.18               | -645.0                              | -1,613.6     | 1,787.5                | 1,748.8                 | 38.73                     | 46.154            |                    |          |
| 5,600.0                 | 5,598.4               | 5,665.4               | 5,655.0               | 19.7             | 19.9          | -111.44               | -651.3                              | -1,607.2     | 1,783.0                | 1,743.6                 | 39.39                     | 45.264            |                    |          |
| 5,700.0                 | 5,698.4               | 5,749.3               | 5,738.5               | 20.1             | 20.2          | -111.72               | -658.4                              | -1,601.5     | 1,779.7                | 1,739.7                 | 40.06                     | 44.428            |                    |          |
| 5,766.7                 | 5,765.1               | 5,817.7               | 5,806.5               | 20.3             | 20.4          | -111.95               | -664.2                              | -1,597.0     | 1,777.7                | 1,737.2                 | 40.55                     | 43.845            |                    |          |
| 5,800.0                 | 5,798.4               | 5,851.1               | 5,839.7               | 20.4             | 20.6          | 69.64                 | -667.0                              | -1,594.8     | 1,776.7                | 1,735.9                 | 40.78                     | 43.565            |                    |          |
| 5,900.0                 | 5,898.4               | 5,942.2               | 5,930.3               | 20.8             | 20.9          | 69.50                 | -674.5                              | -1,588.8     | 1,772.7                | 1,731.3                 | 41.44                     | 42.776            |                    |          |
| 6,000.0                 | 5,998.1               | 6,019.6               | 6,007.3               | 21.1             | 21.2          | 69.47                 | -681.2                              | -1,584.5     | 1,768.6                | 1,726.6                 | 42.05                     | 42.061            |                    |          |
| 6,100.0                 | 6,097.7               | 6,091.4               | 6,078.7               | 21.4             | 21.4          | 69.52                 | -687.7                              | -1,581.4     | 1,764.6                | 1,722.0                 | 42.63                     | 41.398            |                    |          |
| 6,200.0                 | 6,196.8               | 6,151.3               | 6,138.4               | 21.8             | 21.6          | 69.68                 | -692.3                              | -1,580.5     | 1,761.4                | 1,718.3                 | 43.13                     | 40.836            |                    |          |
| 6,229.5                 | 6,225.9               | 6,170.9               | 6,158.0               | 21.8             | 21.7          | 69.75                 | -693.5                              | -1,580.6     | 1,760.7                | 1,717.4                 | 43.29                     | 40.672            |                    |          |
| 6,300.0                 | 6,295.5               | 6,243.5               | 6,230.4               | 22.1             | 21.9          | 70.01                 | -697.3                              | -1,581.5     | 1,758.9                | 1,715.1                 | 43.78                     | 40.180            |                    |          |
| 6,400.0                 | 6,394.2               | 6,305.8               | 6,292.7               | 22.4             | 22.1          | 70.26                 | -699.6                              | -1,583.1     | 1,757.3                | 1,713.0                 | 44.27                     | 39.695            |                    |          |
| 6,414.4                 | 6,408.4               | 6,313.7               | 6,300.6               | 22.5             | 22.2          | 70.30                 | -699.9                              | -1,583.4     | 1,757.2                | 1,712.9                 | 44.33                     | 39.637            |                    |          |
| 6,500.0                 | 6,492.9               | 6,355.0               | 6,341.8               | 22.7             | 22.3          | 70.48                 | -701.3                              | -1,585.7     | 1,758.2                | 1,713.5                 | 44.67                     | 39.360            |                    |          |
| 6,600.0                 | 6,591.6               | 6,419.9               | 6,406.5               | 23.1             | 22.5          | 70.83                 | -702.6                              | -1,591.1     | 1,761.6                | 1,716.5                 | 45.13                     | 39.030            |                    |          |
| 6,700.0                 | 6,690.3               | 6,490.5               | 6,476.6               | 23.4             | 22.7          | 71.28                 | -702.2                              | -1,599.4     | 1,767.2                | 1,721.6                 | 45.62                     | 38.738            |                    |          |
| 6,800.0                 | 6,789.0               | 6,800.0               | 6,599.9               | 23.8             | 23.7          | 72.19                 | -698.0                              | -1,614.9     | 1,772.9                | 1,725.9                 | 47.04                     | 37.688            |                    |          |
| 6,900.0                 | 6,887.7               | 6,800.5               | 6,784.1               | 24.1             | 23.7          | 73.70                 | -684.2                              | -1,632.5     | 1,774.3                | 1,726.7                 | 47.60                     | 37.278            |                    |          |
| 7,000.0                 | 6,986.4               | 6,933.4               | 6,916.1               | 24.5             | 24.2          | 74.81                 | -672.6                              | -1,642.1     | 1,774.2                | 1,725.8                 | 48.44                     | 36.628            |                    |          |
| 7,100.0                 | 7,085.1               | 7,032.4               | 7,014.8               | 24.8             | 24.5          | 75.54                 | -666.4                              | -1,647.3     | 1,773.4                | 1,724.3                 | 49.13                     | 36.096            |                    |          |
| 7,200.0                 | 7,183.8               | 7,125.4               | 7,107.6               | 25.2             | 24.8          | 76.21                 | -661.2                              | -1,652.1     | 1,772.9                | 1,723.1                 | 49.80                     | 35.603            |                    |          |
| 7,263.4                 | 7,246.3               | 7,186.0               | 7,167.9               | 25.4             | 25.0          | 76.65                 | -657.9                              | -1,655.2     | 1,772.8                | 1,722.6                 | 50.23                     | 35.296            |                    |          |
| 7,300.0                 | 7,282.5               | 7,220.9               | 7,202.8               | 25.6             | 25.1          | 76.89                 | -656.2                              | -1,657.0     | 1,772.9                | 1,722.4                 | 50.48                     | 35.122            |                    |          |
| 7,400.0                 | 7,381.2               | 7,316.4               | 7,298.0               | 25.9             | 25.4          | 77.56                 | -651.4                              | -1,662.1     | 1,773.2                | 1,722.0                 | 51.16                     | 34.659            |                    |          |
| 7,500.0                 | 7,479.8               | 7,414.3               | 7,395.7               | 26.3             | 25.8          | 78.24                 | -646.9                              | -1,667.2     | 1,773.9                | 1,722.0                 | 51.86                     | 34.204            |                    |          |
| 7,600.0                 | 7,578.5               | 7,556.6               | 7,537.7               | 26.7             | 26.2          | 79.17                 | -641.6                              | -1,673.5     | 1,774.4                | 1,721.7                 | 52.76                     | 33.630            |                    |          |
| 7,700.0                 | 7,677.2               | 7,679.9               | 7,661.0               | 27.0             | 26.7          | 79.85                 | -640.4                              | -1,674.4     | 1,772.0                | 1,718.4                 | 53.57                     | 33.075            |                    |          |
| 7,800.0                 | 7,775.9               | 7,770.5               | 7,751.6               | 27.4             | 27.0          | 80.31                 | -640.3                              | -1,674.9     | 1,769.6                | 1,715.3                 | 54.25                     | 32.616            |                    |          |
| 7,900.0                 | 7,874.6               | 7,871.7               | 7,852.8               | 27.8             | 27.3          | 80.84                 | -640.4                              | -1,675.5     | 1,767.6                | 1,712.6                 | 54.98                     | 32.150            |                    |          |
| 8,000.0                 | 7,973.3               | 7,977.0               | 7,958.1               | 28.2             | 27.7          | 81.38                 | -640.5                              | -1,675.8     | 1,765.3                | 1,709.6                 | 55.72                     | 31.682            |                    |          |
| 8,100.0                 | 8,072.0               | 8,071.1               | 8,052.2               | 28.6             | 28.0          | 81.86                 | -640.7                              | -1,676.1     | 1,763.3                | 1,706.9                 | 56.42                     | 31.252            |                    |          |
| 8,200.0                 | 8,170.7               | 8,174.2               | 8,155.3               | 28.9             | 28.4          | 82.39                 | -640.9                              | -1,676.2     | 1,761.2                | 1,704.1                 | 57.16                     | 30.811            |                    |          |
| 8,300.0                 | 8,269.4               | 8,274.2               | 8,255.3               | 29.3             | 28.7          | 82.90                 | -641.1                              | -1,676.6     | 1,759.5                | 1,701.7                 | 57.89                     | 30.393            |                    |          |
| 8,400.0                 | 8,368.1               | 8,399.4               | 8,380.5               | 29.7             | 29.1          | 83.51                 | -642.5                              | -1,675.3     | 1,756.7                | 1,698.0                 | 58.72                     | 29.918            |                    |          |
| 8,500.0                 | 8,466.8               | 8,497.8               | 8,478.8               | 30.1             | 29.5          | 83.96                 | -644.0                              | -1,673.6     | 1,753.4                | 1,694.0                 | 59.45                     | 29.493            |                    |          |
| 8,600.0                 | 8,565.5               | 8,600.0               | 8,581.0               | 30.5             | 29.8          | 84.44                 | -645.6                              | -1,671.9     | 1,750.3                | 1,690.1                 | 60.20                     | 29.075            |                    |          |
| 8,700.0                 | 8,664.2               | 8,702.5               | 8,683.5               | 30.9             | 30.2          | 84.92                 | -647.0                              | -1,669.9     | 1,747.1                | 1,686.1                 | 60.95                     | 28.664            |                    |          |
| 8,800.0                 | 8,762.9               | 8,798.3               | 8,779.3               | 31.3             | 30.5          | 85.38                 | -648.4                              | -1,668.0     | 1,743.9                | 1,682.2                 | 61.68                     | 28.273            |                    |          |
| 8,900.0                 | 8,861.6               | 8,896.7               | 8,877.7               | 31.7             | 30.9          | 85.85                 | -649.6                              | -1,666.3     | 1,741.0                | 1,678.6                 | 62.42                     | 27.891            |                    |          |
| 9,000.0                 | 8,960.3               | 8,983.7               | 8,964.7               | 32.1             | 31.2          | 86.29                 | -650.0                              | -1,665.1     | 1,738.5                | 1,675.4                 | 63.12                     | 27.542            |                    |          |
| 9,100.0                 | 9,059.0               | 9,077.0               | 9,058.0               | 32.5             | 31.5          | 86.77                 | -650.5                              | -1,664.3     | 1,736.8                | 1,672.9                 | 63.85                     | 27.201            |                    |          |
| 9,200.0                 | 9,157.7               | 9,191.3               | 9,172.3               | 32.9             | 31.9          | 87.35                 | -651.1                              | -1,663.1     | 1,734.9                | 1,670.3                 | 64.65                     | 26.836            |                    |          |
| 9,300.0                 | 9,256.4               | 9,294.2               | 9,275.2               | 33.3             | 32.3          | 87.86                 | -652.2                              | -1,661.3     | 1,732.5                | 1,667.1                 | 65.41                     | 26.488            |                    |          |
| 9,400.0                 | 9,355.1               | 9,390.8               | 9,371.7               | 33.7             | 32.6          | 88.33                 | -653.3                              | -1,659.5     | 1,730.2                | 1,664.0                 | 66.15                     | 26.156            |                    |          |
| 9,500.0                 | 9,453.8               | 9,473.9               | 9,454.8               | 34.1             | 32.9          | 88.76                 | -653.7                              | -1,658.4     | 1,728.5                | 1,661.7                 | 66.84                     | 25.859            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|-------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 143-MWD |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Well Error: | 0.0 usft |
| Reference               |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                   |                    | Warning  |
| Measured Depth (usft)   | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor |                    |          |
| 9,600.0                 | 9,552.5               | 9,596.1               | 9,577.0               | 34.5             | 33.4          | 89.46                 | -652.2                              | -1,656.6     | 1,726.7                | 1,659.0                 | 67.67                     | 25.516            |                    |          |
| 9,700.0                 | 9,651.2               | 9,701.8               | 9,682.6               | 34.9             | 33.7          | 90.08                 | -650.3                              | -1,654.2     | 1,724.2                | 1,655.7                 | 68.44                     | 25.191            |                    |          |
| 9,800.0                 | 9,749.9               | 9,789.2               | 9,770.0               | 35.3             | 34.0          | 90.62                 | -648.2                              | -1,652.1     | 1,721.8                | 1,652.7                 | 69.16                     | 24.898            |                    |          |
| 9,900.0                 | 9,848.6               | 9,864.8               | 9,845.5               | 35.7             | 34.3          | 91.09                 | -646.2                              | -1,651.3     | 1,720.9                | 1,651.1                 | 69.82                     | 24.646            |                    |          |
| 9,943.0                 | 9,891.0               | 9,904.2               | 9,885.0               | 35.9             | 34.4          | 91.33                 | -645.2                              | -1,651.1     | 1,720.9                | 1,650.7                 | 70.13                     | 24.537            |                    |          |
| 10,000.0                | 9,947.3               | 9,956.7               | 9,937.4               | 36.1             | 34.6          | 91.66                 | -643.9                              | -1,651.0     | 1,720.9                | 1,650.4                 | 70.55                     | 24.395            |                    |          |
| 10,100.0                | 10,046.0              | 10,050.8              | 10,031.5              | 36.5             | 35.0          | 92.20                 | -642.5                              | -1,651.0     | 1,721.5                | 1,650.2                 | 71.27                     | 24.153            |                    |          |
| 10,200.0                | 10,144.7              | 10,156.4              | 10,137.1              | 36.9             | 35.3          | 92.80                 | -641.6                              | -1,651.0     | 1,722.3                | 1,650.2                 | 72.05                     | 23.904            |                    |          |
| 10,300.0                | 10,243.4              | 10,284.5              | 10,265.2              | 37.3             | 35.8          | 93.56                 | -639.2                              | -1,649.4     | 1,721.9                | 1,649.0                 | 72.91                     | 23.618            |                    |          |
| 10,400.0                | 10,342.1              | 10,393.1              | 10,373.7              | 37.7             | 36.2          | 94.27                 | -635.6                              | -1,646.6     | 1,720.6                | 1,646.9                 | 73.69                     | 23.349            |                    |          |
| 10,500.0                | 10,440.8              | 10,487.7              | 10,468.2              | 38.1             | 36.5          | 94.85                 | -633.2                              | -1,644.2     | 1,719.4                | 1,644.9                 | 74.43                     | 23.100            |                    |          |
| 10,600.0                | 10,539.5              | 10,581.5              | 10,562.0              | 38.5             | 36.8          | 95.44                 | -630.8                              | -1,642.0     | 1,718.6                | 1,643.5                 | 75.17                     | 22.863            |                    |          |
| 10,663.3                | 10,602.0              | 10,637.0              | 10,617.4              | 38.8             | 37.0          | 95.79                 | -629.2                              | -1,640.8     | 1,718.4                | 1,642.8                 | 75.62                     | 22.723            |                    |          |
| 10,700.0                | 10,638.2              | 10,667.1              | 10,647.5              | 39.0             | 37.1          | 95.97                 | -628.5                              | -1,640.3     | 1,718.5                | 1,642.6                 | 75.88                     | 22.648            |                    |          |
| 10,800.0                | 10,736.9              | 10,751.8              | 10,732.2              | 39.4             | 37.4          | 96.48                 | -627.0                              | -1,639.5     | 1,719.4                | 1,642.9                 | 76.58                     | 22.452            |                    |          |
| 10,900.0                | 10,835.6              | 10,852.1              | 10,832.4              | 39.8             | 37.8          | 97.02                 | -626.6                              | -1,639.2     | 1,721.0                | 1,643.7                 | 77.34                     | 22.252            |                    |          |
| 11,000.0                | 10,934.3              | 10,966.3              | 10,946.6              | 40.2             | 38.2          | 97.67                 | -625.5                              | -1,638.0     | 1,722.1                | 1,644.0                 | 78.15                     | 22.035            |                    |          |
| 11,100.0                | 11,033.0              | 11,071.5              | 11,051.8              | 40.6             | 38.6          | 98.15                 | -628.2                              | -1,636.1     | 1,722.3                | 1,643.3                 | 78.93                     | 21.820            |                    |          |
| 11,200.0                | 11,131.7              | 11,208.5              | 11,186.4              | 41.0             | 39.0          | 98.06                 | -652.7                              | -1,635.3     | 1,722.1                | 1,642.3                 | 79.80                     | 21.581            |                    |          |
| 11,300.0                | 11,230.4              | 11,309.3              | 11,281.2              | 41.4             | 39.3          | 97.46                 | -686.6                              | -1,634.7     | 1,720.0                | 1,639.4                 | 80.56                     | 21.350            |                    |          |
| 11,400.0                | 11,329.1              | 11,423.5              | 11,384.2              | 41.9             | 39.7          | 96.39                 | -735.9                              | -1,635.7     | 1,718.7                | 1,637.4                 | 81.37                     | 21.123            |                    |          |
| 11,500.0                | 11,427.8              | 11,500.1              | 11,448.5              | 42.3             | 39.9          | 95.37                 | -777.3                              | -1,636.7     | 1,717.5                | 1,635.4                 | 82.07                     | 20.927            |                    |          |
| 11,523.7                | 11,451.2              | 11,518.6              | 11,463.1              | 42.4             | 40.0          | 95.07                 | -788.8                              | -1,637.2     | 1,717.4                | 1,635.2                 | 82.24                     | 20.884 CC         |                    |          |
| 11,535.3                | 11,462.6              | 11,528.3              | 11,470.4              | 42.4             | 40.0          | 94.90                 | -795.1                              | -1,637.5     | 1,717.4                | 1,635.1                 | 82.32                     | 20.863            |                    |          |
| 11,600.0                | 11,526.5              | 11,587.7              | 11,512.0              | 42.7             | 40.2          | 93.72                 | -837.4                              | -1,639.2     | 1,717.9                | 1,635.1                 | 82.79                     | 20.750            |                    |          |
| 11,700.0                | 11,625.7              | 11,652.0              | 11,550.9              | 43.1             | 40.4          | 92.24                 | -888.5                              | -1,641.1     | 1,720.3                | 1,637.0                 | 83.35                     | 20.641            |                    |          |
| 11,800.0                | 11,725.1              | 11,727.9              | 11,590.7              | 43.5             | 40.7          | 90.33                 | -953.1                              | -1,643.0     | 1,725.8                | 1,641.9                 | 83.87                     | 20.578            |                    |          |
| 11,900.0                | 11,824.8              | 11,833.5              | 11,634.4              | 43.9             | 41.1          | 87.39                 | -1,049.1                            | -1,642.6     | 1,734.1                | 1,649.7                 | 84.45                     | 20.535            |                    |          |
| 12,000.0                | 11,924.7              | 11,909.7              | 11,659.1              | 44.2             | 41.4          | 85.23                 | -1,121.0                            | -1,639.1     | 1,745.9                | 1,661.2                 | 84.74                     | 20.604            |                    |          |
| 12,100.0                | 12,024.6              | 11,935.3              | 11,665.7              | 44.6             | 41.5          | 84.67                 | -1,145.8                            | -1,637.4     | 1,762.8                | 1,678.3                 | 84.52                     | 20.856            |                    |          |
| 12,152.4                | 12,077.0              | 11,936.0              | 11,665.8              | 44.7             | 41.5          | -96.86                | -1,146.5                            | -1,637.4     | 1,773.8                | 1,689.5                 | 84.24                     | 21.055            |                    |          |
| 12,200.0                | 12,124.6              | 11,948.4              | 11,668.7              | 44.9             | 41.6          | 77.70                 | -1,158.5                            | -1,636.6     | 1,784.6                | 1,700.6                 | 84.04                     | 21.236            |                    |          |
| 12,250.0                | 12,174.2              | 11,956.6              | 11,670.5              | 45.1             | 41.6          | 76.27                 | -1,166.5                            | -1,636.0     | 1,796.4                | 1,712.6                 | 83.77                     | 21.444            |                    |          |
| 12,300.0                | 12,223.0              | 11,966.3              | 11,672.6              | 45.3             | 41.6          | 74.79                 | -1,176.0                            | -1,635.4     | 1,808.4                | 1,724.9                 | 83.50                     | 21.658            |                    |          |
| 12,350.0                | 12,270.7              | 11,983.0              | 11,675.8              | 45.6             | 41.7          | 73.13                 | -1,192.3                            | -1,634.5     | 1,820.4                | 1,737.1                 | 83.26                     | 21.863            |                    |          |
| 12,400.0                | 12,317.0              | 11,983.0              | 11,675.8              | 45.8             | 41.7          | 71.95                 | -1,192.3                            | -1,634.5     | 1,832.4                | 1,749.5                 | 82.91                     | 22.102            |                    |          |
| 12,450.0                | 12,361.4              | 11,983.0              | 11,675.8              | 46.1             | 41.7          | 70.79                 | -1,192.3                            | -1,634.5     | 1,844.3                | 1,761.7                 | 82.55                     | 22.342            |                    |          |
| 12,500.0                | 12,403.7              | 12,007.7              | 11,679.9              | 46.4             | 41.8          | 69.10                 | -1,216.6                            | -1,633.3     | 1,855.6                | 1,773.2                 | 82.39                     | 22.523            |                    |          |
| 12,550.0                | 12,443.5              | 12,030.0              | 11,682.9              | 46.7             | 41.9          | 67.57                 | -1,238.7                            | -1,632.6     | 1,866.7                | 1,784.5                 | 82.22                     | 22.704            |                    |          |
| 12,600.0                | 12,480.5              | 12,030.0              | 11,682.9              | 47.1             | 41.9          | 66.59                 | -1,238.7                            | -1,632.6     | 1,877.1                | 1,795.2                 | 81.92                     | 22.915            |                    |          |
| 12,650.0                | 12,514.4              | 12,059.7              | 11,686.2              | 47.4             | 42.1          | 65.17                 | -1,268.2                            | -1,631.9     | 1,886.7                | 1,804.8                 | 81.86                     | 23.048            |                    |          |
| 12,700.0                | 12,545.0              | 12,093.5              | 11,689.1              | 47.8             | 42.2          | 63.85                 | -1,301.9                            | -1,630.9     | 1,895.1                | 1,813.3                 | 81.87                     | 23.149            |                    |          |
| 12,750.0                | 12,572.0              | 12,134.2              | 11,691.9              | 48.1             | 42.4          | 62.63                 | -1,342.4                            | -1,629.5     | 1,902.1                | 1,820.1                 | 81.96                     | 23.207            |                    |          |
| 12,800.0                | 12,595.3              | 12,175.8              | 11,694.0              | 48.5             | 42.6          | 61.63                 | -1,383.9                            | -1,627.7     | 1,907.4                | 1,825.3                 | 82.10                     | 23.232            |                    |          |
| 12,850.0                | 12,614.6              | 12,198.7              | 11,694.9              | 48.9             | 42.7          | 61.05                 | -1,406.8                            | -1,626.8     | 1,911.2                | 1,829.0                 | 82.19                     | 23.255            |                    |          |
| 12,900.0                | 12,629.8              | 12,223.8              | 11,695.8              | 49.3             | 42.9          | 60.63                 | -1,431.9                            | -1,626.0     | 1,913.6                | 1,831.2                 | 82.34                     | 23.239            |                    |          |
| 12,950.0                | 12,640.8              | 12,266.0              | 11,696.9              | 49.7             | 43.1          | 60.30                 | -1,474.1                            | -1,625.3     | 1,914.6                | 1,831.9                 | 82.68                     | 23.157            |                    |          |
| 13,000.0                | 12,647.6              | 12,285.1              | 11,697.2              | 50.1             | 43.2          | 60.31                 | -1,493.1                            | -1,625.1     | 1,913.8                | 1,830.9                 | 82.94                     | 23.075            |                    |          |
| 13,052.4                | 12,650.0              | 12,339.9              | 11,698.0              | 50.5             | 43.5          | 60.45                 | -1,548.0                            | -1,624.4     | 1,910.9                | 1,827.4                 | 83.53                     | 22.878            |                    |          |
| 13,100.0                | 12,650.0              | 12,387.5              | 11,698.6              | 50.9             | 43.8          | 60.45                 | -1,595.5                            | -1,623.7     | 1,907.5                | 1,823.4                 | 84.10                     | 22.682            |                    |          |
| 13,200.0                | 12,650.0              | 12,479.2              | 11,700.1              | 51.8             | 44.4          | 60.47                 | -1,687.2                            | -1,622.6     | 1,902.7                | 1,817.3                 | 85.34                     | 22.296            |                    |          |
| 13,267.5                | 12,650.0              | 12,534.6              | 11,701.1              | 52.4             | 44.8          | 60.50                 | -1,742.6                            | -1,622.5     | 1,901.5                | 1,815.4                 | 86.19                     | 22.063            |                    |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|-------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 143-MWD |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference               |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)   | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 13,295.1                | 12,650.0              | 12,556.5              | 11,701.6              | 52.6             | 44.9          | 60.52                 | -1,764.5                            | -1,622.6     | 1,901.5                | 1,815.0                 | 86.55                     | 21.971             |          |
| 13,300.0                | 12,650.0              | 12,560.3              | 11,701.7              | 52.7             | 45.0          | 60.52                 | -1,768.3                            | -1,622.6     | 1,901.5                | 1,814.9                 | 86.61                     | 21.955             |          |
| 13,400.0                | 12,650.0              | 12,640.0              | 11,703.9              | 53.6             | 45.5          | 60.60                 | -1,848.0                            | -1,624.0     | 1,902.1                | 1,814.1                 | 87.97                     | 21.623             |          |
| 13,500.0                | 12,650.0              | 12,735.4              | 11,707.0              | 54.6             | 46.3          | 60.73                 | -1,943.3                            | -1,626.5     | 1,903.4                | 1,813.8                 | 89.56                     | 21.252             |          |
| 13,600.0                | 12,650.0              | 12,840.0              | 11,710.4              | 55.6             | 47.1          | 60.87                 | -2,047.8                            | -1,629.2     | 1,904.6                | 1,813.3                 | 91.32                     | 20.857             |          |
| 13,700.0                | 12,650.0              | 12,945.5              | 11,713.6              | 56.6             | 48.0          | 61.00                 | -2,153.3                            | -1,631.7     | 1,905.7                | 1,812.6                 | 93.16                     | 20.457             |          |
| 13,800.0                | 12,650.0              | 13,052.4              | 11,717.0              | 57.6             | 49.0          | 61.12                 | -2,260.0                            | -1,633.4     | 1,906.2                | 1,811.1                 | 95.07                     | 20.049             |          |
| 13,900.0                | 12,650.0              | 13,153.9              | 11,720.2              | 58.7             | 50.0          | 61.25                 | -2,361.5                            | -1,635.3     | 1,906.8                | 1,809.8                 | 97.01                     | 19.657             |          |
| 14,000.0                | 12,650.0              | 13,264.2              | 11,724.4              | 59.8             | 51.0          | 61.39                 | -2,471.7                            | -1,637.0     | 1,906.9                | 1,807.7                 | 99.11                     | 19.239             |          |
| 14,039.8                | 12,650.0              | 13,305.4              | 11,725.9              | 60.3             | 51.5          | 61.44                 | -2,512.9                            | -1,637.6     | 1,906.8                | 1,806.9                 | 99.93                     | 19.080             |          |
| 14,100.0                | 12,650.0              | 13,338.2              | 11,727.2              | 61.0             | 51.8          | 61.49                 | -2,545.6                            | -1,638.3     | 1,907.2                | 1,806.4                 | 100.84                    | 18.913             |          |
| 14,200.0                | 12,650.0              | 13,440.6              | 11,731.0              | 62.1             | 52.9          | 61.65                 | -2,647.8                            | -1,642.1     | 1,909.3                | 1,806.3                 | 102.98                    | 18.539             |          |
| 14,300.0                | 12,650.0              | 13,568.7              | 11,735.2              | 63.3             | 54.2          | 61.80                 | -2,775.9                            | -1,643.5     | 1,909.0                | 1,803.6                 | 105.47                    | 18.101             |          |
| 14,400.0                | 12,650.0              | 13,693.3              | 11,739.5              | 64.5             | 55.6          | 61.92                 | -2,900.4                            | -1,643.6     | 1,908.0                | 1,800.1                 | 107.96                    | 17.673             |          |
| 14,500.0                | 12,650.0              | 13,795.2              | 11,743.0              | 65.7             | 56.8          | 62.01                 | -3,002.3                            | -1,642.8     | 1,906.3                | 1,796.1                 | 110.21                    | 17.297             |          |
| 14,600.0                | 12,650.0              | 13,896.4              | 11,746.0              | 67.0             | 58.0          | 62.09                 | -3,103.4                            | -1,641.9     | 1,904.6                | 1,792.2                 | 112.48                    | 16.933             |          |
| 14,700.0                | 12,650.0              | 14,008.4              | 11,749.5              | 68.2             | 59.3          | 62.17                 | -3,215.4                            | -1,640.4     | 1,902.5                | 1,787.6                 | 114.93                    | 16.554             |          |
| 14,800.0                | 12,650.0              | 14,114.2              | 11,752.6              | 69.5             | 60.6          | 62.23                 | -3,321.1                            | -1,638.2     | 1,899.9                | 1,782.6                 | 117.33                    | 16.193             |          |
| 14,900.0                | 12,650.0              | 14,219.7              | 11,755.6              | 70.8             | 61.9          | 62.29                 | -3,426.5                            | -1,635.8     | 1,897.1                | 1,777.3                 | 119.75                    | 15.842             |          |
| 15,000.0                | 12,650.0              | 14,318.0              | 11,758.4              | 72.1             | 63.2          | 62.34                 | -3,524.7                            | -1,633.3     | 1,894.1                | 1,772.0                 | 122.12                    | 15.510             |          |
| 15,100.0                | 12,650.0              | 14,416.1              | 11,761.3              | 73.4             | 64.4          | 62.39                 | -3,622.8                            | -1,631.0     | 1,891.2                | 1,766.7                 | 124.51                    | 15.189             |          |
| 15,200.0                | 12,650.0              | 14,532.3              | 11,764.5              | 74.8             | 66.0          | 62.44                 | -3,738.9                            | -1,627.9     | 1,888.0                | 1,760.9                 | 127.17                    | 14.847             |          |
| 15,300.0                | 12,650.0              | 14,630.3              | 11,767.4              | 76.1             | 67.2          | 62.48                 | -3,836.7                            | -1,624.7     | 1,884.4                | 1,754.8                 | 129.61                    | 14.539             |          |
| 15,400.0                | 12,650.0              | 14,720.2              | 11,769.9              | 77.5             | 68.4          | 62.52                 | -3,926.6                            | -1,622.1     | 1,881.1                | 1,749.1                 | 131.98                    | 14.253             |          |
| 15,500.0                | 12,650.0              | 14,809.1              | 11,772.4              | 78.8             | 69.6          | 62.57                 | -4,015.5                            | -1,620.1     | 1,878.3                | 1,744.0                 | 134.35                    | 13.981             |          |
| 15,600.0                | 12,650.0              | 14,897.3              | 11,774.8              | 80.2             | 70.8          | 62.62                 | -4,103.6                            | -1,618.7     | 1,876.2                | 1,739.5                 | 136.74                    | 13.721             |          |
| 15,700.0                | 12,650.0              | 14,984.4              | 11,777.3              | 81.6             | 72.0          | 62.69                 | -4,190.7                            | -1,618.0     | 1,874.7                | 1,735.6                 | 139.15                    | 13.473             |          |
| 15,800.0                | 12,650.0              | 15,066.7              | 11,779.7              | 83.0             | 73.2          | 62.76                 | -4,272.9                            | -1,618.1     | 1,874.0                | 1,732.5                 | 141.51                    | 13.243             |          |
| 15,819.4                | 12,650.0              | 15,082.5              | 11,780.1              | 83.3             | 73.4          | 62.77                 | -4,288.8                            | -1,618.2     | 1,874.0                | 1,732.0                 | 141.96                    | 13.201             |          |
| 15,900.0                | 12,650.0              | 15,149.7              | 11,782.0              | 84.4             | 74.3          | 62.84                 | -4,355.9                            | -1,619.0     | 1,874.3                | 1,730.4                 | 143.90                    | 13.025             |          |
| 16,000.0                | 12,650.0              | 15,237.7              | 11,784.9              | 85.9             | 75.5          | 62.96                 | -4,443.8                            | -1,621.1     | 1,875.4                | 1,729.0                 | 146.40                    | 12.810             |          |
| 16,100.0                | 12,650.0              | 15,318.3              | 11,787.9              | 87.3             | 76.6          | 63.08                 | -4,524.4                            | -1,623.6     | 1,877.2                | 1,728.3                 | 148.81                    | 12.614             |          |
| 16,200.0                | 12,650.0              | 15,396.9              | 11,790.6              | 88.7             | 77.7          | 63.21                 | -4,602.8                            | -1,627.3     | 1,880.3                | 1,729.1                 | 151.20                    | 12.435             |          |
| 16,300.0                | 12,650.0              | 15,500.5              | 11,794.6              | 90.2             | 79.2          | 63.40                 | -4,706.1                            | -1,632.7     | 1,883.8                | 1,729.7                 | 154.09                    | 12.225             |          |
| 16,400.0                | 12,650.0              | 15,613.0              | 11,798.9              | 91.6             | 80.8          | 63.60                 | -4,818.4                            | -1,638.0     | 1,886.8                | 1,729.7                 | 157.15                    | 12.007             |          |
| 16,500.0                | 12,650.0              | 15,714.3              | 11,802.6              | 93.1             | 82.2          | 63.76                 | -4,919.7                            | -1,642.1     | 1,889.4                | 1,729.4                 | 160.00                    | 11.808             |          |
| 16,600.0                | 12,650.0              | 15,803.4              | 11,804.8              | 94.5             | 83.5          | 63.88                 | -5,008.6                            | -1,645.5     | 1,892.3                | 1,729.6                 | 162.62                    | 11.636             |          |
| 16,700.0                | 12,650.0              | 15,888.7              | 11,805.5              | 96.0             | 84.7          | 63.95                 | -5,093.9                            | -1,648.7     | 1,895.8                | 1,730.7                 | 165.13                    | 11.481             |          |
| 16,800.0                | 12,650.0              | 15,975.7              | 11,804.6              | 97.5             | 86.0          | 63.97                 | -5,180.8                            | -1,652.0     | 1,900.2                | 1,732.6                 | 167.62                    | 11.337             |          |
| 16,900.0                | 12,650.0              | 16,097.7              | 11,802.2              | 99.0             | 87.8          | 63.98                 | -5,302.7                            | -1,656.2     | 1,904.8                | 1,734.1                 | 170.72                    | 11.158             |          |
| 17,000.0                | 12,650.0              | 16,223.6              | 11,800.0              | 100.5            | 89.6          | 63.95                 | -5,428.6                            | -1,658.0     | 1,907.4                | 1,733.5                 | 173.86                    | 10.971             |          |
| 17,100.0                | 12,650.0              | 16,369.0              | 11,797.1              | 101.9            | 91.8          | 63.88                 | -5,574.0                            | -1,657.6     | 1,908.6                | 1,731.4                 | 177.24                    | 10.769             |          |
| 17,200.0                | 12,650.0              | 16,503.8              | 11,798.7              | 103.4            | 93.8          | 63.90                 | -5,708.7                            | -1,655.5     | 1,907.2                | 1,726.7                 | 180.53                    | 10.564             |          |
| 17,300.0                | 12,650.0              | 16,601.7              | 11,800.8              | 104.9            | 95.2          | 63.94                 | -5,806.6                            | -1,653.7     | 1,905.2                | 1,721.9                 | 183.32                    | 10.392             |          |
| 17,400.0                | 12,650.0              | 16,713.8              | 11,803.5              | 106.5            | 96.9          | 63.99                 | -5,918.6                            | -1,651.4     | 1,902.8                | 1,716.5                 | 186.33                    | 10.212             |          |
| 17,500.0                | 12,650.0              | 16,806.1              | 11,805.1              | 108.0            | 98.3          | 64.02                 | -6,010.8                            | -1,649.3     | 1,900.5                | 1,711.5                 | 189.05                    | 10.053             |          |
| 17,600.0                | 12,650.0              | 16,913.0              | 11,806.4              | 109.5            | 100.0         | 64.03                 | -6,117.7                            | -1,646.4     | 1,898.1                | 1,706.2                 | 191.95                    | 9.889              |          |
| 17,700.0                | 12,650.0              | 17,012.4              | 11,807.6              | 111.0            | 101.5         | 64.03                 | -6,217.1                            | -1,643.5     | 1,895.6                | 1,700.8                 | 194.75                    | 9.734              |          |
| 17,800.0                | 12,650.0              | 17,101.6              | 11,808.7              | 112.5            | 102.8         | 64.03                 | -6,306.2                            | -1,641.1     | 1,893.2                | 1,695.8                 | 197.41                    | 9.590              |          |
| 17,900.0                | 12,650.0              | 17,179.7              | 11,808.9              | 114.1            | 104.0         | 64.02                 | -6,384.3                            | -1,639.7     | 1,891.9                | 1,692.0                 | 199.90                    | 9.465              |          |
| 18,000.0                | 12,650.0              | 17,281.3              | 11,809.0              | 115.6            | 105.6         | 64.02                 | -6,485.9                            | -1,638.1     | 1,891.0                | 1,688.3                 | 202.73                    | 9.328              |          |
| 18,100.0                | 12,650.0              | 17,366.4              | 11,809.3              | 117.1            | 106.9         | 64.02                 | -6,571.0                            | -1,637.3     | 1,890.6                | 1,685.2                 | 205.34                    | 9.207              |          |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|-------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 143-MWD |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Well Error: | 0.0 usft |
| Reference               |                       | Offset                |                       | Semi Major Axis  |               |                       | Distance                            |              |                        |                         |                           |                    | Warning  |
| Measured Depth (usft)   | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |          |
| 18,112.4                | 12,650.0              | 17,377.3              | 11,809.3              | 117.3            | 107.0         | 64.02                 | -6,581.9                            | -1,637.2     | 1,890.5                | 1,684.9                 | 205.67                    | 9.192              |          |
| 18,200.0                | 12,650.0              | 17,454.8              | 11,809.6              | 118.7            | 108.2         | 64.03                 | -6,659.4                            | -1,637.1     | 1,890.8                | 1,682.8                 | 208.00                    | 9.090              |          |
| 18,300.0                | 12,650.0              | 17,545.1              | 11,809.9              | 120.2            | 109.6         | 64.05                 | -6,749.7                            | -1,637.5     | 1,891.6                | 1,680.9                 | 210.71                    | 8.977              |          |
| 18,400.0                | 12,650.0              | 17,633.2              | 11,810.2              | 121.8            | 111.0         | 64.08                 | -6,837.8                            | -1,638.4     | 1,892.9                | 1,679.6                 | 213.38                    | 8.871              |          |
| 18,500.0                | 12,650.0              | 17,740.5              | 11,811.0              | 123.3            | 112.6         | 64.13                 | -6,945.1                            | -1,639.9     | 1,894.5                | 1,678.0                 | 216.43                    | 8.753              |          |
| 18,600.0                | 12,650.0              | 17,852.5              | 11,812.2              | 124.9            | 114.3         | 64.19                 | -7,057.1                            | -1,641.1     | 1,895.5                | 1,675.9                 | 219.58                    | 8.632              |          |
| 18,700.0                | 12,650.0              | 17,973.9              | 11,813.8              | 126.4            | 116.2         | 64.24                 | -7,178.4                            | -1,641.2     | 1,895.5                | 1,672.7                 | 222.87                    | 8.505              |          |
| 18,800.0                | 12,650.0              | 18,070.8              | 11,814.9              | 128.0            | 117.7         | 64.27                 | -7,275.4                            | -1,640.5     | 1,894.9                | 1,669.2                 | 225.74                    | 8.394              |          |
| 18,837.2                | 12,650.0              | 18,102.3              | 11,815.1              | 128.5            | 118.2         | 64.28                 | -7,306.8                            | -1,640.4     | 1,894.9                | 1,668.2                 | 226.72                    | 8.358              |          |
| 18,900.0                | 12,650.0              | 18,150.2              | 11,815.2              | 129.5            | 119.0         | 64.28                 | -7,354.7                            | -1,640.3     | 1,895.1                | 1,666.8                 | 228.30                    | 8.301              |          |
| 19,000.0                | 12,650.0              | 18,224.9              | 11,815.0              | 131.1            | 120.1         | 64.29                 | -7,429.4                            | -1,640.9     | 1,896.6                | 1,665.8                 | 230.74                    | 8.220              |          |
| 19,100.0                | 12,650.0              | 18,302.0              | 11,814.5              | 132.6            | 121.3         | 64.31                 | -7,506.5                            | -1,642.6     | 1,899.3                | 1,666.1                 | 233.21                    | 8.144              |          |
| 19,200.0                | 12,650.0              | 18,375.2              | 11,813.9              | 134.2            | 122.5         | 64.33                 | -7,579.7                            | -1,645.2     | 1,903.4                | 1,667.8                 | 235.59                    | 8.079              |          |
| 19,300.0                | 12,650.0              | 18,459.0              | 11,813.3              | 135.8            | 123.8         | 64.37                 | -7,663.3                            | -1,649.2     | 1,908.6                | 1,670.4                 | 238.19                    | 8.013              |          |
| 19,400.0                | 12,650.0              | 18,562.8              | 11,812.6              | 137.3            | 125.4         | 64.43                 | -7,767.1                            | -1,654.7     | 1,914.2                | 1,673.0                 | 241.26                    | 7.934              |          |
| 19,500.0                | 12,650.0              | 18,657.9              | 11,812.0              | 138.9            | 126.8         | 64.49                 | -7,862.0                            | -1,659.5     | 1,919.6                | 1,675.5                 | 244.13                    | 7.863              |          |
| 19,600.0                | 12,650.0              | 18,784.6              | 11,811.9              | 140.5            | 128.8         | 64.58                 | -7,988.5                            | -1,665.9     | 1,924.8                | 1,677.0                 | 247.74                    | 7.769              |          |
| 19,700.0                | 12,650.0              | 18,934.3              | 11,814.4              | 142.1            | 131.2         | 64.72                 | -8,138.2                            | -1,670.6     | 1,927.4                | 1,675.6                 | 251.83                    | 7.654              |          |
| 19,800.0                | 12,650.0              | 19,063.2              | 11,816.8              | 143.6            | 133.2         | 64.81                 | -8,267.0                            | -1,672.3     | 1,928.3                | 1,672.9                 | 255.40                    | 7.550              |          |
| 19,900.0                | 12,650.0              | 19,196.6              | 11,819.6              | 145.2            | 135.3         | 64.89                 | -8,400.4                            | -1,671.7     | 1,927.6                | 1,668.6                 | 258.97                    | 7.443              |          |
| 20,000.0                | 12,650.0              | 19,293.0              | 11,821.7              | 146.8            | 136.8         | 64.93                 | -8,496.7                            | -1,670.1     | 1,925.7                | 1,663.8                 | 261.92                    | 7.352              |          |
| 20,100.0                | 12,650.0              | 19,373.4              | 11,822.7              | 148.4            | 138.1         | 64.96                 | -8,577.1                            | -1,669.4     | 1,924.9                | 1,660.3                 | 264.61                    | 7.275              |          |
| 20,164.2                | 12,650.0              | 19,430.2              | 11,823.6              | 149.4            | 139.0         | 64.99                 | -8,633.9                            | -1,669.3     | 1,924.8                | 1,658.4                 | 266.43                    | 7.224              |          |
| 20,200.0                | 12,650.0              | 19,463.8              | 11,824.3              | 150.0            | 139.5         | 65.01                 | -8,667.5                            | -1,669.4     | 1,924.8                | 1,657.3                 | 267.48                    | 7.196              |          |
| 20,300.0                | 12,650.0              | 19,559.1              | 11,826.1              | 151.6            | 141.0         | 65.07                 | -8,762.8                            | -1,670.0     | 1,925.1                | 1,654.6                 | 270.46                    | 7.118              |          |
| 20,400.0                | 12,650.0              | 19,661.5              | 11,828.2              | 153.2            | 142.7         | 65.15                 | -8,865.1                            | -1,670.8     | 1,925.5                | 1,651.9                 | 273.57                    | 7.038              |          |
| 20,500.0                | 12,650.0              | 19,795.5              | 11,832.9              | 154.7            | 144.8         | 65.29                 | -8,999.1                            | -1,671.4     | 1,925.1                | 1,647.8                 | 277.30                    | 6.942              |          |
| 20,600.0                | 12,650.0              | 19,908.3              | 11,839.0              | 156.3            | 146.6         | 65.46                 | -9,111.7                            | -1,671.1     | 1,923.1                | 1,642.4                 | 280.73                    | 6.850              |          |
| 20,700.0                | 12,650.0              | 20,025.4              | 11,845.0              | 157.9            | 148.5         | 65.62                 | -9,228.7                            | -1,669.9     | 1,920.6                | 1,636.4                 | 284.20                    | 6.758              |          |
| 20,800.0                | 12,650.0              | 20,168.6              | 11,852.6              | 159.5            | 150.8         | 65.79                 | -9,371.6                            | -1,665.8     | 1,916.4                | 1,628.5                 | 287.93                    | 6.656              |          |
| 20,900.0                | 12,650.0              | 20,281.2              | 11,858.8              | 161.1            | 152.6         | 65.90                 | -9,483.9                            | -1,660.8     | 1,910.6                | 1,619.4                 | 291.23                    | 6.561              |          |
| 21,000.0                | 12,650.0              | 20,395.1              | 11,865.2              | 162.7            | 154.4         | 66.02                 | -9,597.5                            | -1,655.1     | 1,904.3                | 1,609.8                 | 294.52                    | 6.466              |          |
| 21,100.0                | 12,650.0              | 20,499.3              | 11,871.3              | 164.3            | 156.1         | 66.12                 | -9,701.3                            | -1,649.2     | 1,897.3                | 1,599.6                 | 297.73                    | 6.373              |          |
| 21,200.0                | 12,650.0              | 20,583.6              | 11,876.0              | 165.9            | 157.4         | 66.20                 | -9,785.4                            | -1,644.7     | 1,890.8                | 1,590.0                 | 300.76                    | 6.287              |          |
| 21,300.0                | 12,650.0              | 20,659.8              | 11,880.2              | 167.5            | 158.7         | 66.29                 | -9,861.4                            | -1,641.5     | 1,885.3                | 1,581.6                 | 303.71                    | 6.208              |          |
| 21,400.0                | 12,650.0              | 20,739.9              | 11,884.6              | 169.1            | 160.0         | 66.39                 | -9,941.4                            | -1,639.2     | 1,880.9                | 1,574.2                 | 306.69                    | 6.133              |          |
| 21,500.0                | 12,650.0              | 20,811.3              | 11,888.3              | 170.7            | 161.1         | 66.48                 | -10,012.7                           | -1,637.9     | 1,877.8                | 1,568.3                 | 309.51                    | 6.067              |          |
| 21,600.0                | 12,650.0              | 20,882.4              | 11,890.9              | 172.3            | 162.2         | 66.55                 | -10,083.7                           | -1,637.5     | 1,876.3                | 1,564.1                 | 312.24                    | 6.009              |          |
| 21,654.8                | 12,650.0              | 20,923.1              | 11,891.9              | 173.2            | 162.9         | 66.58                 | -10,124.4                           | -1,637.5     | 1,876.1                | 1,562.4                 | 313.72                    | 5.980              |          |
| 21,700.0                | 12,650.0              | 20,961.6              | 11,892.5              | 173.9            | 163.5         | 66.60                 | -10,162.9                           | -1,637.6     | 1,876.3                | 1,561.3                 | 315.00                    | 5.956              |          |
| 21,800.0                | 12,650.0              | 21,073.9              | 11,894.3              | 175.5            | 165.3         | 66.67                 | -10,275.2                           | -1,637.7     | 1,876.2                | 1,557.9                 | 318.33                    | 5.894              |          |
| 21,900.0                | 12,650.0              | 21,181.7              | 11,896.2              | 177.1            | 167.1         | 66.72                 | -10,382.9                           | -1,637.3     | 1,875.8                | 1,554.2                 | 321.57                    | 5.833              |          |
| 22,000.0                | 12,650.0              | 21,303.2              | 11,898.5              | 178.7            | 169.0         | 66.78                 | -10,504.4                           | -1,635.9     | 1,874.6                | 1,549.6                 | 325.01                    | 5.768              |          |
| 22,100.0                | 12,650.0              | 21,398.4              | 11,900.5              | 180.3            | 170.5         | 66.82                 | -10,599.6                           | -1,634.3     | 1,872.7                | 1,544.7                 | 328.04                    | 5.709              |          |
| 22,200.0                | 12,650.0              | 21,490.8              | 11,902.4              | 182.0            | 172.0         | 66.87                 | -10,691.9                           | -1,633.1     | 1,871.3                | 1,540.3                 | 331.04                    | 5.653              |          |
| 22,300.0                | 12,650.0              | 21,585.3              | 11,904.2              | 183.6            | 173.6         | 66.91                 | -10,786.5                           | -1,632.2     | 1,870.3                | 1,536.2                 | 334.07                    | 5.598              |          |
| 22,400.0                | 12,650.0              | 21,680.2              | 11,905.9              | 185.2            | 175.1         | 66.96                 | -10,881.3                           | -1,631.6     | 1,869.5                | 1,532.4                 | 337.12                    | 5.546              |          |
| 22,500.0                | 12,650.0              | 21,768.9              | 11,907.5              | 186.8            | 176.5         | 67.01                 | -10,970.0                           | -1,631.4     | 1,869.2                | 1,529.1                 | 340.06                    | 5.497              |          |
| 22,600.0                | 12,650.0              | 21,881.2              | 11,909.6              | 188.4            | 178.3         | 67.08                 | -11,082.2                           | -1,631.4     | 1,869.0                | 1,525.6                 | 343.41                    | 5.443              |          |
| 22,700.0                | 12,650.0              | 21,973.2              | 11,911.2              | 190.0            | 179.8         | 67.13                 | -11,174.3                           | -1,631.0     | 1,868.5                | 1,522.1                 | 346.41                    | 5.394              |          |
| 22,800.0                | 12,650.0              | 22,076.5              | 11,912.9              | 191.6            | 181.5         | 67.18                 | -11,277.5                           | -1,630.7     | 1,868.2                | 1,518.6                 | 349.60                    | 5.344              |          |
| 22,884.1                | 12,650.0              | 22,161.1              | 11,914.1              | 193.0            | 182.9         | 67.21                 | -11,362.1                           | -1,630.3     | 1,867.8                | 1,515.6                 | 352.24                    | 5.303 ES, SF       |          |

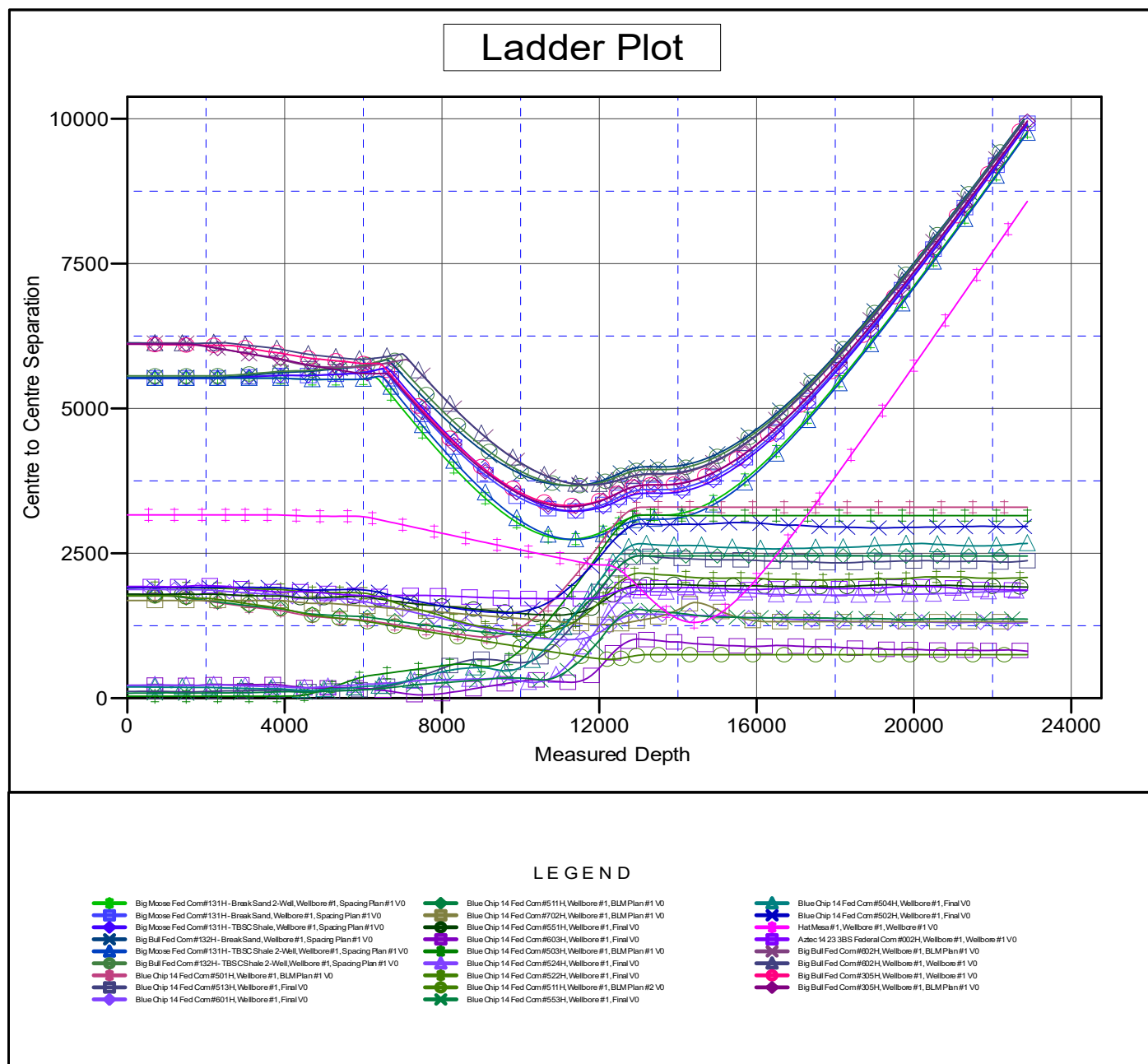
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

Reference Depths are relative to KB @ 3887.5usft  
Offset Depths are relative to Offset Datum  
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Blue Chip 14 Fed Com #704H  
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30  
Grid Convergence at Surface is: 0.37°



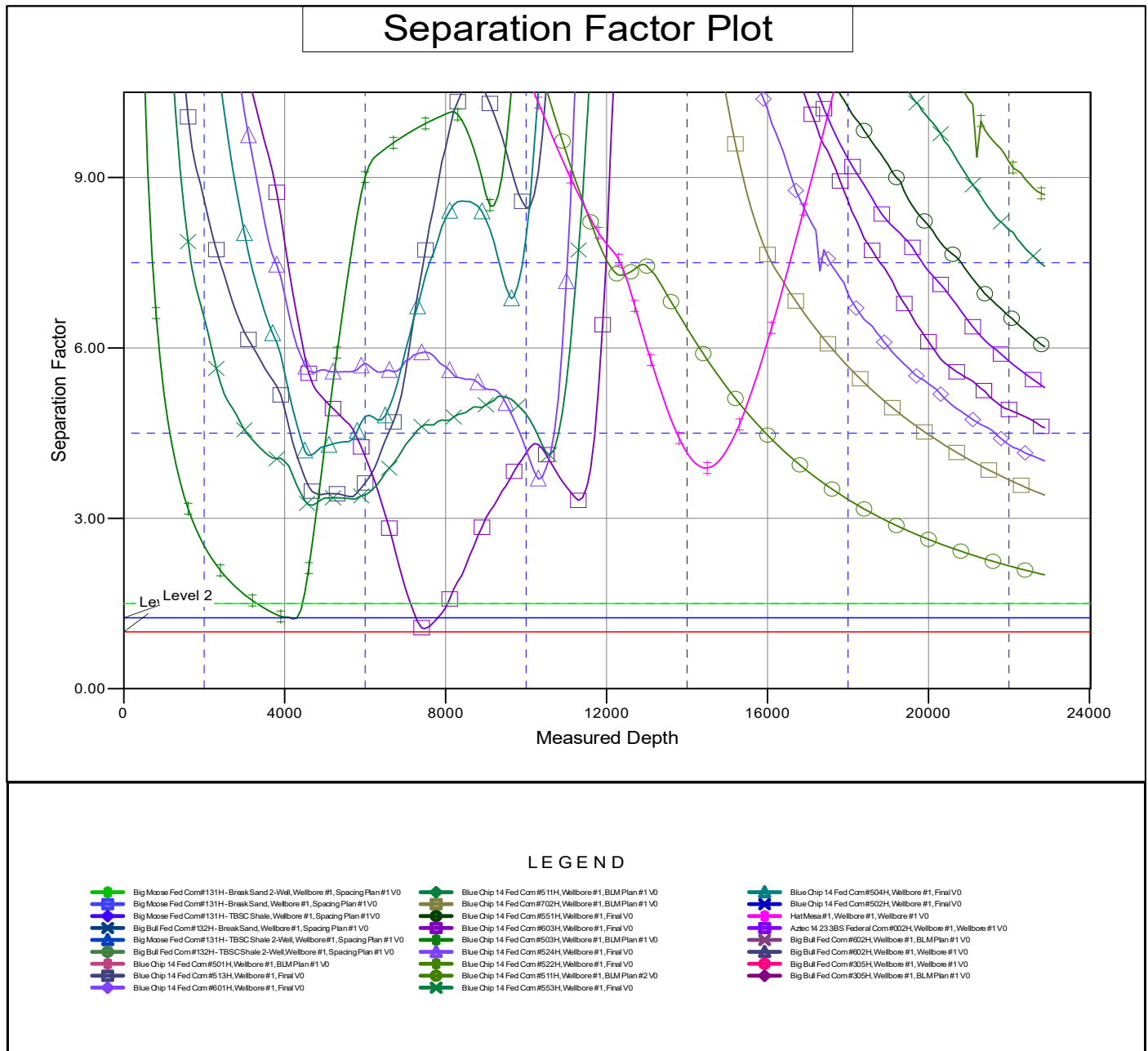
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                                 |
|---------------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Project:</b>           | Ranger/Arrowhead           | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Reference Site:</b>    | Blue Chip                  | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                            |
| <b>Reference Well:</b>    | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0 usft                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Wellbore #1                | <b>Database:</b>                    | EDM 5000.14 Single User Db      |
| <b>Reference Design:</b>  | BLM Plan #1                | <b>Offset TVD Reference:</b>        | Offset Datum                    |

Reference Depths are relative to KB @ 3887.5usft  
 Offset Depths are relative to Offset Datum  
 Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Blue Chip 14 Fed Com #704H  
 Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30  
 Grid Convergence at Surface is: 0.37°



CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

**Drill Plan**

**Blue Chip 14 Fed Com 704H**  
**SHL: 889' FSL & 2004' FEL Section 11**  
**BHL: 110' FSL & 1981' FEL Section 23**  
**Township/Range: 21S 32E**  
**Elevation Above Sea Level: 3859**

**Sundry Request**

Matador request the option to amend the well design of the Blue Chip 14 Fed Com #704H and make the following changes to the current APD:

- Change well SHL from 894' FSL & 1924' FEL section 11 to 889' FSL & 2004' FEL section 11
- Modify casing set depths as shown on the casing and cementing table. Cement volumes will be adjusted accordingly

**Drilling Operation Plan**

Proposed Drilling Depth: 22884' MD / 12650' TVD

Type of well: Horizontal well, no pilot hole

Permitted Well Type: Oil

Geologic Name of Surface Formation: Quaternary Deposits

KOP Lat/Long (NAD83): 32.4860003 / -103.6433366

TD Lat/Long (NAD83): 32.4574036 / -103.6433502

**1. Estimated Tops**

| Formation            | MD (ft)       | TVD (ft)      | Thickness | Lithology    | Resource               |
|----------------------|---------------|---------------|-----------|--------------|------------------------|
| Rustler              | 1,586         | 1,586         | 435       | Anhydrite    | Barren                 |
| Salado (Top of Salt) | 2,021         | 2,021         | 1,265     | Salt         | Barren                 |
| Lamar (Base of Salt) | 3,286         | 3,286         | 426       | Salt         | Barren                 |
| Capitan              | 3,712         | 3,712         | 1,352     | Limestone    | Barren                 |
| Bell Canyon          | 5,066         | 5,064         | 527       | Sandstone    | Oil/Natural Gas        |
| Cherry Canyon        | 5,593         | 5,591         | 384       | Sandstone    | Oil/Natural Gas        |
| Brushy Canyon        | 5,977         | 5,975         | 921       | Sandstone    | Oil/Natural Gas        |
| Bone Spring Lime     | 6,908         | 6,896         | 1,995     | Limestone    | Oil/Natural Gas        |
| Upper Avalon Shale   | 8,930         | 8,891         | 299       | Shale        | Oil/Natural Gas        |
| Avalon Carb          | 9,233         | 9,190         | 228       | Carbonate    | Oil/Natural Gas        |
| Lower Avalon Shale   | 9,464         | 9,418         | 230       | Shale        | Oil/Natural Gas        |
| 1st Bone Spring Carb | 9,697         | 9,648         | 208       | Carbonate    | Oil/Natural Gas        |
| 1st Bone Spring Sand | 9,908         | 9,856         | 274       | Sandstone    | Oil/Natural Gas        |
| 2nd Bone Spring Carb | 10,185        | 10,130        | 295       | Carbonate    | Oil/Natural Gas        |
| 2nd Bone Spring Sand | 10,484        | 10,425        | 536       | Sandstone    | Oil/Natural Gas        |
| 3rd Bone Spring Carb | 11,027        | 10,961        | 437       | Carbonate    | Oil/Natural Gas        |
| 3rd Bone Spring Sand | 11,470        | 11,398        | 254       | Sandstone    | Oil/Natural Gas        |
| Wolfcamp A           | 11,727        | 11,652        | 100       | Shale        | Oil/Natural Gas        |
| Wolfcamp B           | 11,827        | 11,752        | 739       | Shale        | Oil/Natural Gas        |
| <b>KOP</b>           | <b>12,152</b> | <b>12,077</b> | -         | <b>Shale</b> | <b>Oil/Natural Gas</b> |
| Wolfcamp D           | 12,623        | 12,491        | -         | Shale        | Oil/Natural Gas        |
| <b>TD</b>            | <b>22,884</b> | <b>12,650</b> | -         | <b>Shale</b> | <b>Oil/Natural Gas</b> |

**2. Notable Zones**

Wolfcamp D is the goal. All perforations will be within the setback requirements as prescribed or permitted by the New Mexico Oil Conservation Division. OSE estimated ground water depth at this location is 420'.

### **3. Pressure Control**

#### Equipment

Matador requests a variance for a 2M annular to be installed after running 20" casing.

A 18,000' 10,000-psi BOP stack consisting of 3 rams with 2 pipe rams, 1 blind ram, and one annular preventer will be utilized below surface casing to TD. See attachments for BOP and choke manifold diagrams.

An accumulator complying with Title 43 CFR 3172 requirements for the pressure rating of the BOP stack will be present. A rotating head will also be installed as needed.

#### Testing Procedure

BOP will be inspected and operated as required in Title 43 CFR 3172. Kelly cock and sub equipped with a full opening valve sized to fit the drill pipe and collars will be available on the rig floor in the open position.

A third party company will test the BOPs.

After setting surface casing, a minimum 10M BOPE system will be installed. Test pressures will be 250 psi low and 10,000 psi high with the annular preventer being tested to 250 psi low and 5000 psi high before drilling below surface shoe. In the event that the rig drills multiple wells on the pad and any seal subject to test pressures are broken, a full BOP test will be performed when the rig returns and the 10M BOPE system is re-installed.

#### Variance Request

Matador requests a variance to have the option of running a multi-bowl wellhead assembly for setting the Intermediate 1, Intermediate 2, Intermediate 3 and Production Strings. The BOPs will not be tested again unless any flanges are separated.

Matador requests a variance to drill this well using a co-flex line between the BOP and choke manifold. Certification for proposed co-flex hose is attached. The hose is not required by the manufacturer to be anchored. If the specific hose is not available, then one of equal or higher rating will be used.

Matador requests a variance to have the option of batch drilling this well with other wells on the same pad. In the event that this well is batch drilled, the wellbore will be secured with a blind flange of like pressure. When the rig returns to this well and BOPs are installed, the operator will perform a full BOP test.

Matador requests a variance to drill this well using a 5M annular preventer with a 10M BOP ram stack. The "Well Control Plan For 10M MASP Section of Wellbore" is attached.

Matador request the option to offline cement surface casing. The "Offline Cementing - Surface Casing" Procedure is attached for review. No changes in cement program are necessary.

Matador request the option to offline cement intermediate casing. The "Offline Cementing - Intermediate Casing" Procedure is attached for review. No changes in cement program are necessary.

Matador request the option to break test the BOP during batch drilling operations. The "Modified BOP Testing Procedure for Batch Drilling" Procedure is attached for review.

Matador request the option to utilize a spudder rig for setting surface and intermediate 1 casing strings.

**Drill Plan****4. Casing & Cement**

All casing will be API and new. See attached casing assumption worksheet.

| String         | Hole Size (in) | Set MD (ft) | Set TVD (ft) | Casing Size (in) | Wt. (lb/ft) | Grade    | Joint         | Collapse | Burst | Tension |
|----------------|----------------|-------------|--------------|------------------|-------------|----------|---------------|----------|-------|---------|
| Surface        | 26             | 0 - 1656    | 0 - 1656     | 20               | 94          | J-55     | BUTT          | 1.125    | 1.125 | 1.8     |
| Intermediate 1 | 17.5           | 0 - 3386    | 0 - 3386     | 13.375           | 54.5        | J-55     | BUTT          | 1.125    | 1.125 | 1.8     |
| Intermediate 2 | 12.25          | 0 - 5116    | 0 - 5114     | 9.625            | 40          | J-55     | BUTT          | 1.125    | 1.125 | 1.8     |
| Intermediate 3 | 8.75           | 0 - 12002   | 0 - 11927    | 7.625            | 29.7        | P-110 EC | VAM Sprint SF | 1.125    | 1.125 | 1.8     |
| Production     | 6.75           | 0 - 22884   | 0 - 12650    | 5.5              | 20          | P-110    | Hunting TLW   | 1.125    | 1.125 | 1.8     |

- All casing strings will be tested in accordance with Title 43 CFR 3172.7(b)(8)
- All applicable R-111-Q regulations will be adhered to
- Rustler top will be validated via drilling parameters (i.e. reduction in ROP) and surface casing setting depth revised accordingly if needed
- All non-API joint connections will be of like or greater quality, and as run specification sheets will be on location for review

**Variance Request**

Matador request a variance to wave the centralizer requirement for the 7-5/8" casing and the 5-1/2" SF/Flush casing in the 6-3/4" hole.

If a DV tool is used, depth(s) will be adjusted based on hole conditions and cement volumes will be adjusted proportionally. DV tool will be set a minimum of 50 feet below previous casing and a minimum of 200 feet above the current shoe. Lab reports with the 500 psi compressive strength time for the cement will be onsite for review. Option to cancel 2nd stage cement if cement is circulated on 1st stage.

**Primary Cement Design - DV/Packer 2-Stage Cement**

| String                          | Type          | Sacks | Yield | Cu. Ft. | Weight | Percent Excess | Top of Cement (ft) | C       | Blend                                |
|---------------------------------|---------------|-------|-------|---------|--------|----------------|--------------------|---------|--------------------------------------|
| Surface                         | Lead          | 1740  | 1.72  | 2990    | 13.5   | 50%            | 0                  | C       | 5% NaCl + LCM                        |
|                                 | Tail          | 600   | 1.38  | 828     | 14.8   | 50%            | 1325               | C       | 5% NaCl + LCM                        |
| Intermediate 1<br>w/ DV @ 1706' | Stg 2<br>Tail | 970   | 1.78  | 1726    | 13.5   | 10%            | 0                  | C       | 10% NaCl + 1% MgO + LCM              |
|                                 | Stg 1<br>Lead | 1550  | 1.84  | 2857    | 12.5   | 50%            | 0                  | C       | 10% NaCl + 1% MgO + LCM              |
|                                 | Stg 1<br>Tail | 560   | 1.33  | 740     | 14.8   | 50%            | 2709               | C       | 10% NaCl + 1% MgO + LCM              |
| Intermediate 2<br>w/ DV @ 3436' | Stg 2<br>Tail | 700   | 1.78  | 1245    | 13.5   | 10%            | 0                  | C       | 5% NaCl + LCM                        |
|                                 | Stg 1<br>Lead | 180   | 2.63  | 469     | 10.3   | 35%            | 0                  | A/<br>C | Bentonite + 1% CaCL2 + 8% NaCl + LCM |
|                                 | Stg 1<br>Tail | 310   | 1.38  | 423     | 13.2   | 35%            | 4116               | A/<br>C | 5% NaCl + LCM                        |
| Intermediate 3                  | Primary       | 450   | 1.35  | 608     | 14.8   | 0%             | 6116               | C       | 10% NaCl + 1% MgO + LCM              |
| Production                      | Lead          | 810   | 1.47  | 1198    | 12.5   | 0%             | 6908               | A/<br>C | Bentonite + 1% CaCL2 + 8% NaCl + LCM |
|                                 | Tail          | 700   | 1.35  | 951     | 13.2   | 0%             | 11502              | A/<br>C | Fluid Loss + Dispersant + Retarder   |

**Post-Completion Cement Design - Bradenhead Squeeze**

| String         | Type                | Sacks | Yield | Cu. Ft. | Weight | Percent | Top of | CI | Blend                   |
|----------------|---------------------|-------|-------|---------|--------|---------|--------|----|-------------------------|
| Intermediate 3 | Braden-head Squeeze | 370   | 1.35  | 504     | 14.8   | 0%      | 4616   | C  | 10% NaCl + 1% MgO + LCM |

Matador plans to cement the Int. 3 string per R-111-Q.(C).(5).(c).(iii), leaving the annulus open between the 2nd intermediate and production casing strings for 1000' until hydraulic fracturing operations have been concluded, at which point a bradenhead cementing operation will take place, ensuring at least 500' tie-back into 2nd intermediate casing, but not higher than USGS Marker Bed No. 126. TOC for the primary production job will be determined by CBL prior to hydraulic fracturing. As per R-111-Q.(C).(6).(c).(i), the Int. 3 cement will have a zero free fluid and a HTHP fluid loss of 150 ml/30min.

As per R-111-Q.(C).(5).(c), the annulus between int. 3 and production casing will be monitored and designed to relieve pressure from annulus below the failure threshold.

**5. Mud Program**

An electronic Pason mud monitoring system complying with Title 43 CFR 3172 will be used. All necessary mud products (barite, bentonite, LCM) for weight addition and fluid loss control will be on location at all times. Mud program is subject to change due to hole conditions.

| Hole Section   | Hole Size (in) | Mud Type      | Interval MD (ft) | Density (lb/ga) | Viscosity | Fluid Loss |
|----------------|----------------|---------------|------------------|-----------------|-----------|------------|
| Surface        | 26             | Spud Mud      | 0 - 1656         | 8.4 - 8.8       | 28-30     | NC         |
| Intermediate 1 | 17.5           | Brine         | 1656 - 3386      | 9.8 - 10.2      | 28-30     | NC         |
| Intermediate 2 | 12.25          | Fresh Water   | 3386 - 5116      | 8.4 - 8.6       | 28-30     | NC         |
| Intermediate 3 | 8.75           | Cut Brine     | 5116 - 12002     | 8.6 - 9.8       | 28-30     | NC         |
| Production     | 6.75           | OBM/Cut Brine | 12002 - 22884    | 11 - 12.5       | 50-65     | <20        |

**6. Cores, Test, & Logs**

No core or drill stem test is planned.

No electric logs are planned at this time. GR will be collected through the MWD tools from Intermediate casing to TD. CBL with CCL will be run as far as gravity will let it fall to top of curve. We will be running a Neutron log on one of the wells on each pad.

**7. Down Hole Conditions**

No abnormal pressure or temperature is expected. Bottom hole pressure is 8223 psi. Maximum anticipated surface pressure is 5440 psi. Expected bottom hole temperature is 212 F.

In accordance with Title 43 CFR 3176, Matador does not anticipate that there will be enough H<sub>2</sub>S from the surface to the Bone Spring formations to meet the BLM's minimum requirements for the submission of an "H<sub>2</sub>S Drilling Operation Plan" or "Public Protection Plan" for the drilling and completion of this well. Since we have an H<sub>2</sub>S safety package on all wells, attached is an "H<sub>2</sub>S Drilling Operations Plan". Adequate flare lines will be installed off the mud/gas separator where gas may be flared safely. All personnel will be familiar with all aspects of safe operation of equipment being used.

|                                                          |                                                                                                                |                                     |                                                    |
|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------------------|
| C-102<br><br>Submit Electronically<br>Via OCD Permitting | State of New Mexico<br><br>Energy, Minerals & Natural Resources Department<br><b>OIL CONSERVATION DIVISION</b> | Revised July 9, 2024                |                                                    |
|                                                          |                                                                                                                | Submittal<br>Type:                  | <input type="checkbox"/> Initial Submittal         |
|                                                          |                                                                                                                |                                     | <input checked="" type="checkbox"/> Amended Report |
|                                                          |                                                                                                                | <input type="checkbox"/> As Drilled |                                                    |

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                                                                                                                                        |                                                    |                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| API Number<br><b>30-025-55172</b>                                                                                                                      | Pool Code<br><b>98033</b>                          | Pool Name<br><b>WC-025 G-10 S2133280; WOLFCAMP</b>                                                                                                     |
| Property Code<br><b>337524</b>                                                                                                                         | Property Name<br><b>BLUE CHIP 14 FED COM</b>       | Well Number<br><b>704H</b>                                                                                                                             |
| OGRID No.<br><b>228937</b>                                                                                                                             | Operator Name<br><b>MATADOR PRODUCTION COMPANY</b> | Ground Level Elevation<br><b>3859'</b>                                                                                                                 |
| Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal |                                                    | Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal |

Surface Location

|               |         |          |       |         |                   |                   |              |               |        |
|---------------|---------|----------|-------|---------|-------------------|-------------------|--------------|---------------|--------|
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the N/S | Feet from the E/W | Latitude     | Longitude     | County |
| O             | 11      | 21-S     | 32-E  | -       | 889' S            | 2004' E           | N 32.4885821 | W 103.6434103 | LEA    |

Bottom Hole Location

|               |         |          |       |         |                   |                   |              |               |        |
|---------------|---------|----------|-------|---------|-------------------|-------------------|--------------|---------------|--------|
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the N/S | Feet from the E/W | Latitude     | Longitude     | County |
| O             | 23      | 21-S     | 32-E  | -       | 110' S            | 1981' E           | N 32.4574036 | W 103.6433502 | LEA    |

|                                 |                                            |                                 |                                                                                                               |                               |
|---------------------------------|--------------------------------------------|---------------------------------|---------------------------------------------------------------------------------------------------------------|-------------------------------|
| Dedicated Acres<br><b>320</b>   | Infill or Defining Well<br><b>Defining</b> | Defining Well API<br><b>N/A</b> | Overlapping Spacing Unit (Y/N)<br><b>N</b>                                                                    | Consolidated Code<br><b>C</b> |
| Order Numbers<br><b>R-23707</b> |                                            |                                 | Well Setbacks are under Common Ownership: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |                               |

Kick Off Point (KOP)

|               |         |          |       |         |                   |                   |              |               |        |
|---------------|---------|----------|-------|---------|-------------------|-------------------|--------------|---------------|--------|
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the N/S | Feet from the E/W | Latitude     | Longitude     | County |
| B             | 14      | 21-S     | 32-E  | -       | 50' N             | 1981' E           | N 32.4860003 | W 103.6433366 | LEA    |

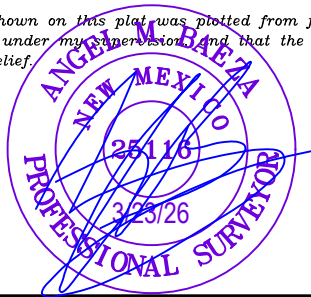
First Take Point (FTP)

|               |         |          |       |         |                   |                   |              |               |        |
|---------------|---------|----------|-------|---------|-------------------|-------------------|--------------|---------------|--------|
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the N/S | Feet from the E/W | Latitude     | Longitude     | County |
| B             | 14      | 21-S     | 32-E  | -       | 100' N            | 1981' E           | N 32.4858629 | W 103.6433367 | LEA    |

Last Take Point (LTP)

|               |         |          |       |         |                   |                   |              |               |        |
|---------------|---------|----------|-------|---------|-------------------|-------------------|--------------|---------------|--------|
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the N/S | Feet from the E/W | Latitude     | Longitude     | County |
| O             | 23      | 21-S     | 32-E  | -       | 110' S            | 1981' E           | N 32.4574036 | W 103.6433502 | LEA    |

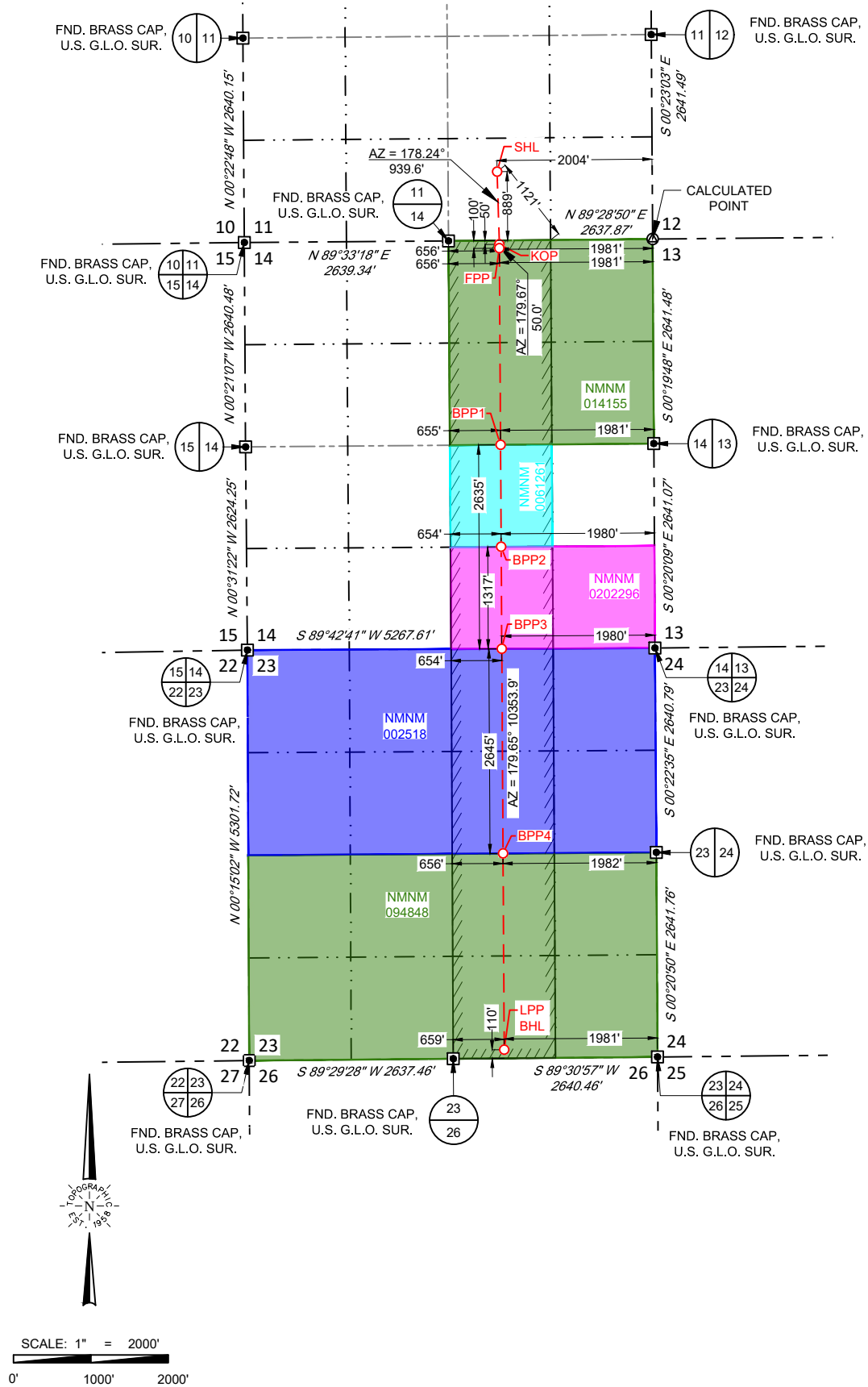
|                                                                                     |                                                                                                        |                                            |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Unitized Area or Area of Uniform Intrest<br><b>S2E2 Sec. 14 &amp; 23, T21S-R32E</b> | Spacing Unity Type<br><input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical | Ground Floor Elevation<br><b>3,887' KB</b> |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------|

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>OPERATOR CERTIFICATION</b><br><br><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief; and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i><br><br><i>If this well is a horizontal well, I further certify that this organization has received The consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i><br><br><b>Debbie Creed</b> <b>3/26/2026</b><br>Signature                                      Date<br><br><b>Debbie Creed</b><br>Print Name<br><b>debbie.creed@matadorresources.com</b><br>E-mail Address |  | <b>SURVEYORS CERTIFICATION</b><br><br><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.</i><br><br><br><br>Signature and Seal of Professional Surveyor                      Date<br><br>Certificate Number                      Date of Survey<br><b>25116</b> <b>01/22/2026</b> |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|





SECTION 11, TOWNSHIP 21-S, RANGE 32-E, N.M.P.M.  
LEA COUNTY, NEW MEXICO



**SURFACE LOCATION (SHL)**

NEW MEXICO EAST  
NAD 1983  
X=754066 Y=542165  
LAT.: N 32.4885821  
LONG.: W 103.6434103  
889' FSL 2004' FEL

**KICK OFF POINT (KOP)**

NEW MEXICO EAST  
NAD 1983  
X=754095 Y=541226  
LAT.: N 32.4860003  
LONG.: W 103.6433366  
50' FNL 1981' FEL

**FIRST PERF. POINT (FPP)**

NEW MEXICO EAST  
NAD 1983  
X=754095 Y=541176  
LAT.: N 32.4858629  
LONG.: W 103.6433367  
100' FNL 1981' FEL

**BLM PERF. POINT (BPP1)**

NEW MEXICO EAST  
NAD 1983  
X=754110 Y=538636  
LAT.: N 32.4788818  
LONG.: W 103.6433400  
2635' FSL 1981' FEL

**BLM PERF. POINT (BPP2)**

NEW MEXICO EAST  
NAD 1983  
X=754118 Y=537319  
LAT.: N 32.4752608  
LONG.: W 103.6433417  
1317' FSL 1980' FEL

**BLM PERF. POINT (BPP3)**

NEW MEXICO EAST  
NAD 1983  
X=754126 Y=536001  
LAT.: N 32.4716398  
LONG.: W 103.6433435  
0' FSL 1980' FEL

**BLM PERF. POINT (BPP4)**

NEW MEXICO EAST  
NAD 1983  
X=754142 Y=533357  
LAT.: N 32.4643708  
LONG.: W 103.6433469  
2645' FNL 1982' FEL

**LAST PERF. POINT (LPP)  
BOTTOM HOLE LOCATION (BHL)**

NEW MEXICO EAST  
NAD 1983  
X=754158 Y=530822  
LAT.: N 32.4574036  
LONG.: W 103.6433502  
110' FSL 1981' FEL

LEASE NAME & WELL NO.: BLUE CHIP 14 FED COM 704H

SECTION 11 TWP 21-S RGE 32-E SURVEY N.M.P.M.  
COUNTY LEA STATE NM  
DESCRIPTION 889' FSL & 2004' FEL

DISTANCE & DIRECTION  
FROM INT. OF US-180 E/US-62 E & NM-176 E. GO SOUTHEAST ON NM-176  
E ±6.4 MILES. THENCE SOUTH (RIGHT) ON A PROPOSED RD. ±2.7 MILES.  
THENCE WEST (RIGHT) ON A PROPOSED RD. ±1004 FEET TO A POINT  
±440 FEET SOUTHEAST OF THE LOCATION.



Angel M. Baeza, P.S. No. 25116

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET  
THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.  
AS OF THE DATE OF SURVEY, ALL ABOVE GROUND APPURTENANCES WITHIN 300' OF THE STAKED LOCATION ARE SHOWN HEREON.

**TOPOGRAPHIC**  
LOYALTY INNOVATION LEGACY

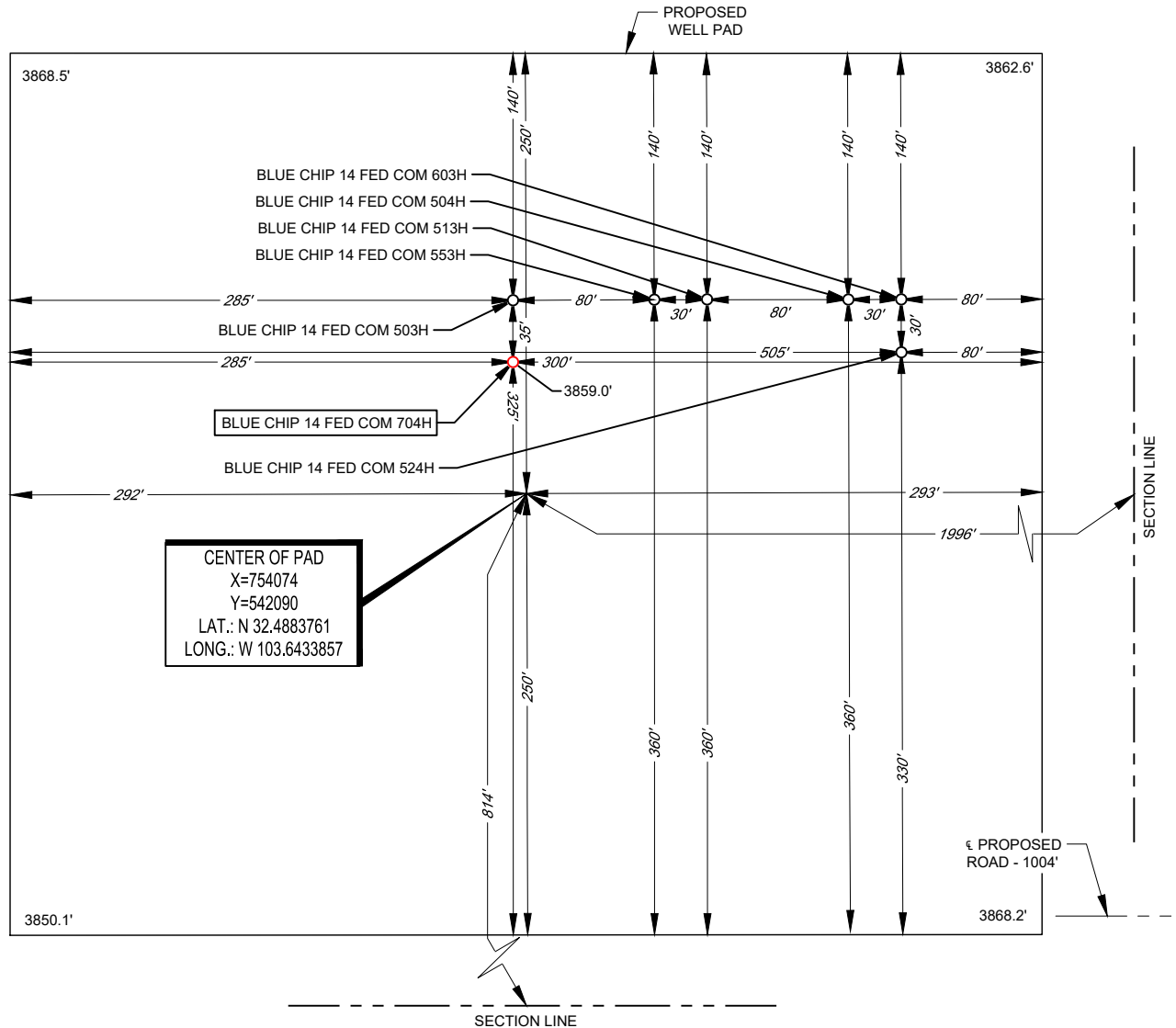
481 WINSWORTH ROAD, Ste. 200 • BENBROOK, TEXAS 76126  
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554  
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705  
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743  
WWW.TOPOGRAPHIC.COM

## LEGEND

--- SECTION LINE  
 --- PROPOSED ROAD



SECTION 11, TOWNSHIP 21-S, RANGE 32-E, N.M.P.M.  
 LEA COUNTY, NEW MEXICO



Angel M. Baeza, P.S. No. 25116

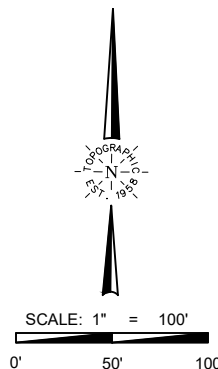
LEASE NAME & WELL NO.: BLUE CHIP 14 FED COM 704H  
 704H LATITUDE N 32.4885821 704H LONGITUDE W 103.6434103

CENTER OF PAD IS 814' FSL & 1996' FEL

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET. ELEVATIONS USED ARE NAVD88, OBTAINED THROUGH AN OPUS SOLUTION.

THIS PROPOSED PAD SITE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY. ONLY THE DATA SHOWN ABOVE IS BEING CERTIFIED TO, ALL OTHER INFORMATION WAS INTENTIONALLY OMITTED. THIS PLAT IS ONLY INTENDED TO BE USED FOR A PERMIT AND IS NOT A BOUNDARY SURVEY. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ORIGINAL DOCUMENT SIZE: 8.5" X 11"



481 WINSOTT ROAD, Ste. 200 • BENBROOK, TEXAS 76126  
 TELEPHONE: (817) 744-7512 • FAX (817) 744-7554  
 2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705  
 TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743  
 WWW.TOPOGRAPHIC.COM



SURVEY PROGRAM

Depth From 0.0 Depth To 22884.1 Survey/Plan BLM Plan #1 (Wellbore #1) Tool MWD

WELL DETAILS: Blue Chip 14 Fed Com #704H

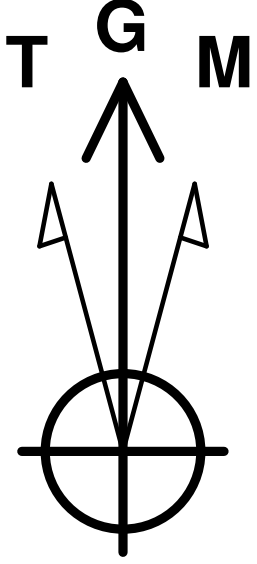
+N/-S 0.0 +E/-W 0.0 Northing 542104.08 Easting 712884.33 KB @ 3887.5usft Latitude 32° 29' 18.460 N Longitude 103° 38' 34.512 W Slot

DESIGN TARGET DETAILS

Company: Matador Production Company Well: Blue Chip 14 Fed Com #704H County: Lea County, NM Wellbore: Wellbore #1 Plan: BLM Plan #1 Date: 1/21/2026

Geodetic System: US State Plane 1927 (Exact solution) Datum: NAD 1927 (NADCON CONUS) Ellipsoid: Clarke 1866 Zone: New Mexico East 3001 System Datum: Mean Sea Level

To convert a Magnetic Direction to a Grid Direction, Add 5.94° To convert a Magnetic Direction to a True Direction, Add 6.31° East To convert a True Direction to a Grid Direction, Subtract 0.37°

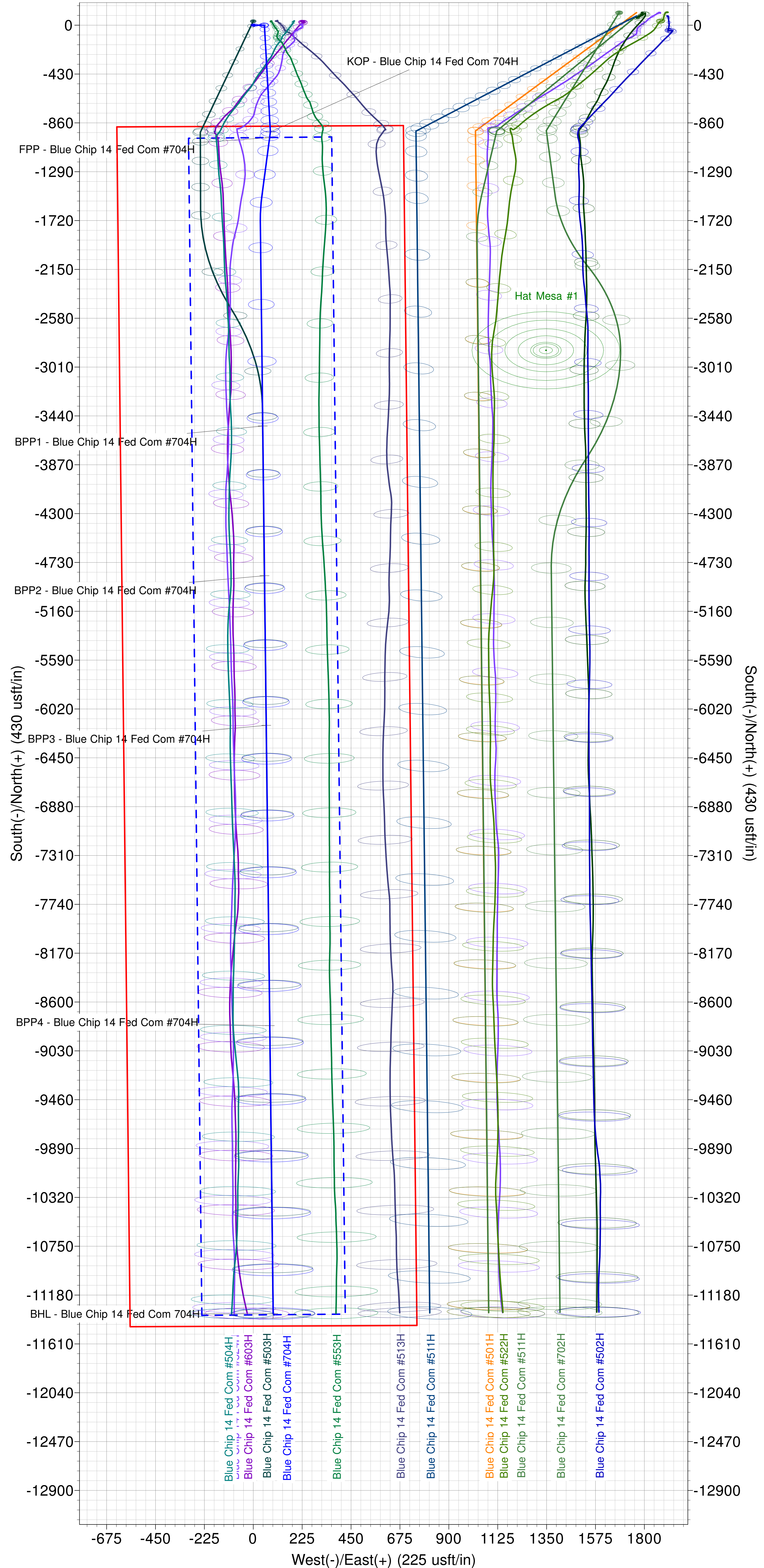
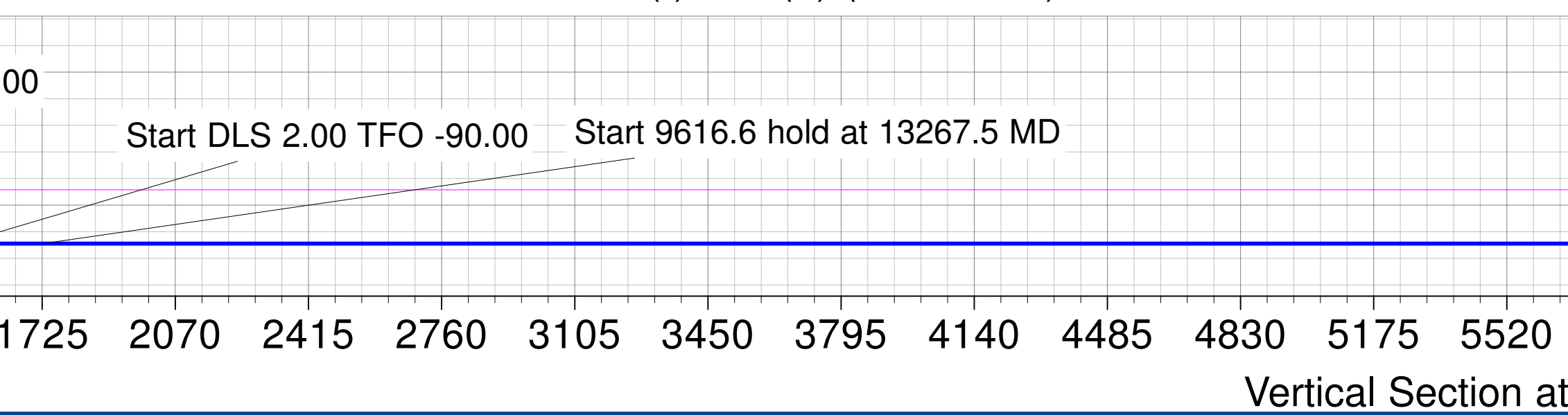
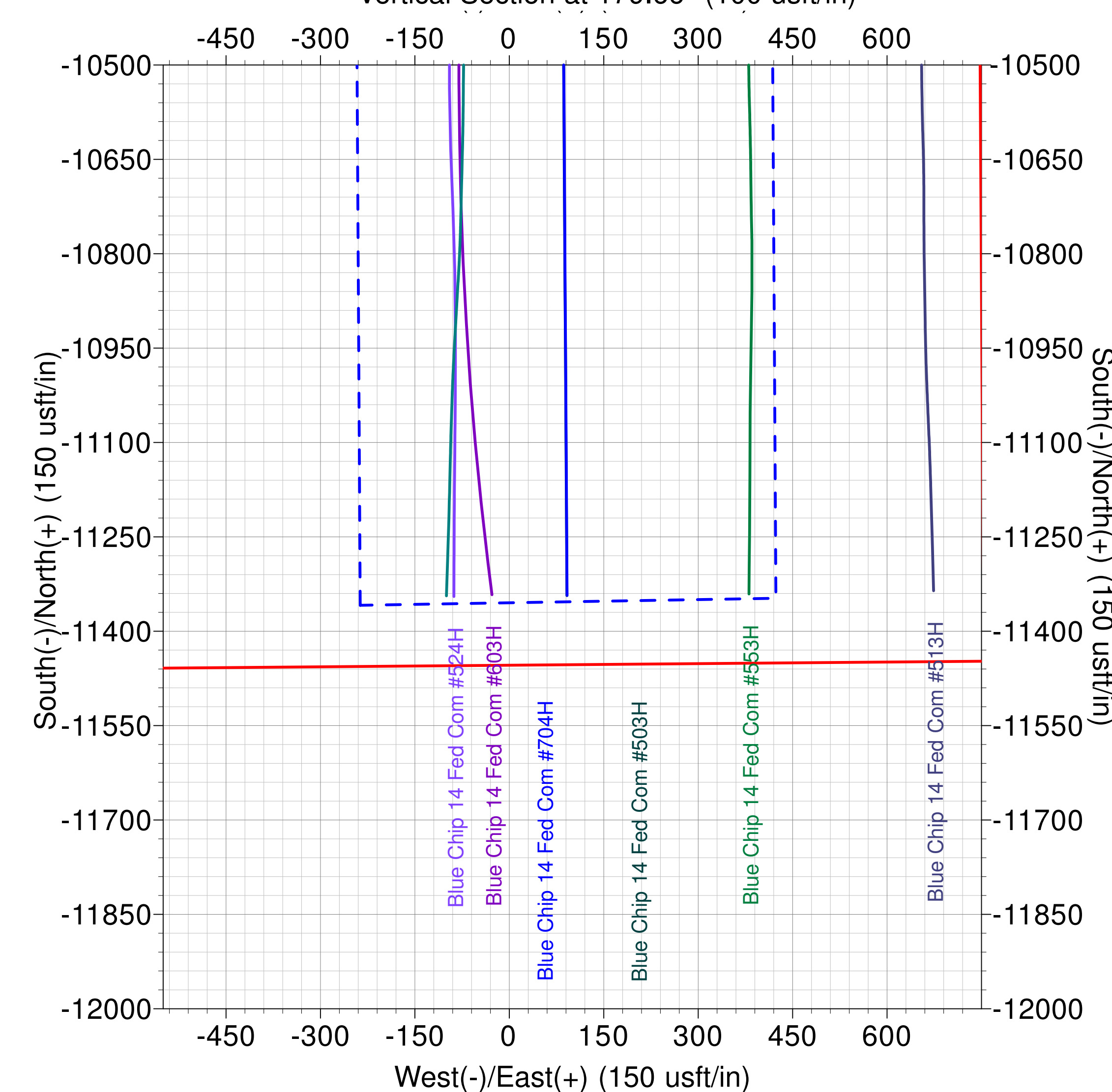
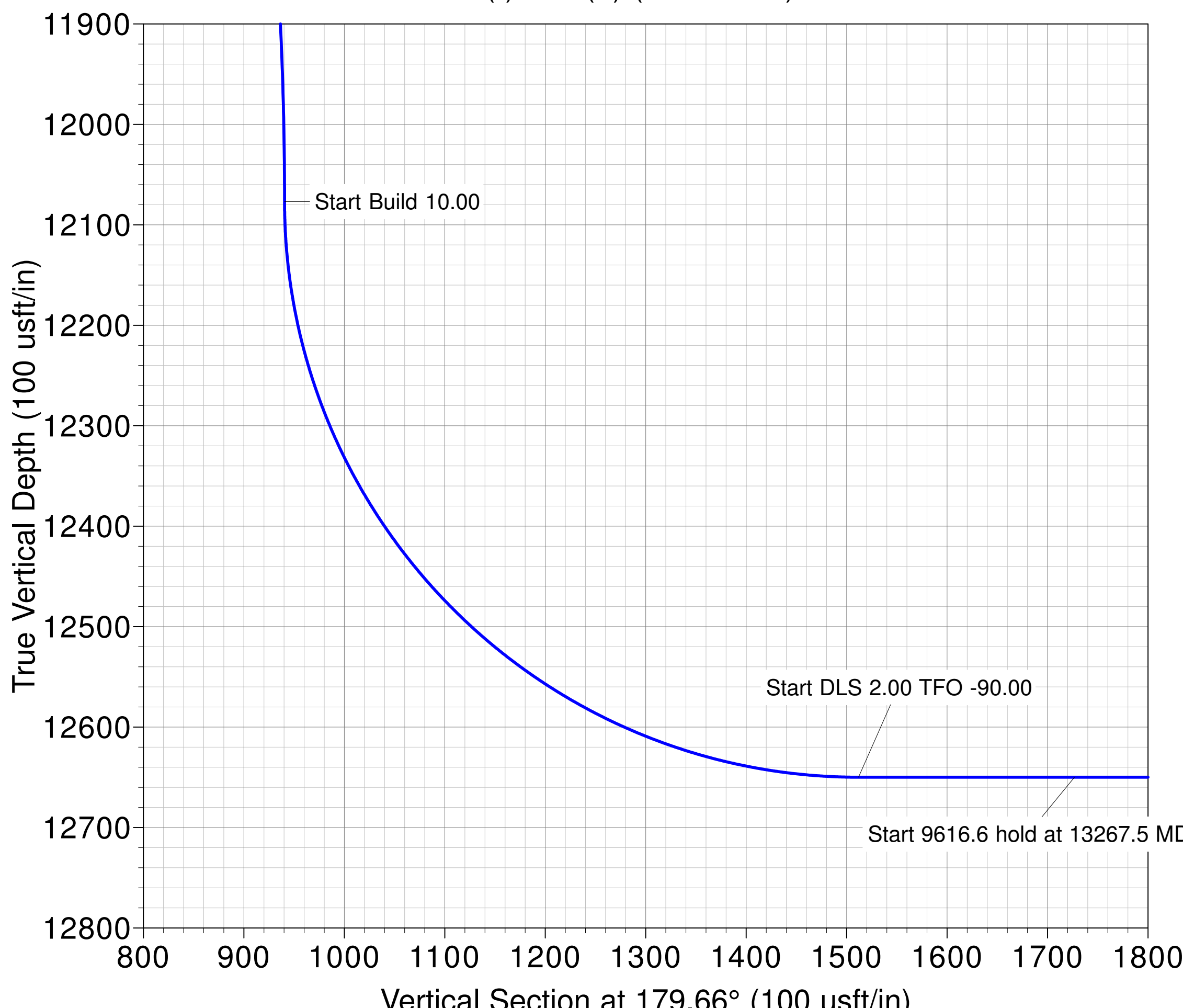
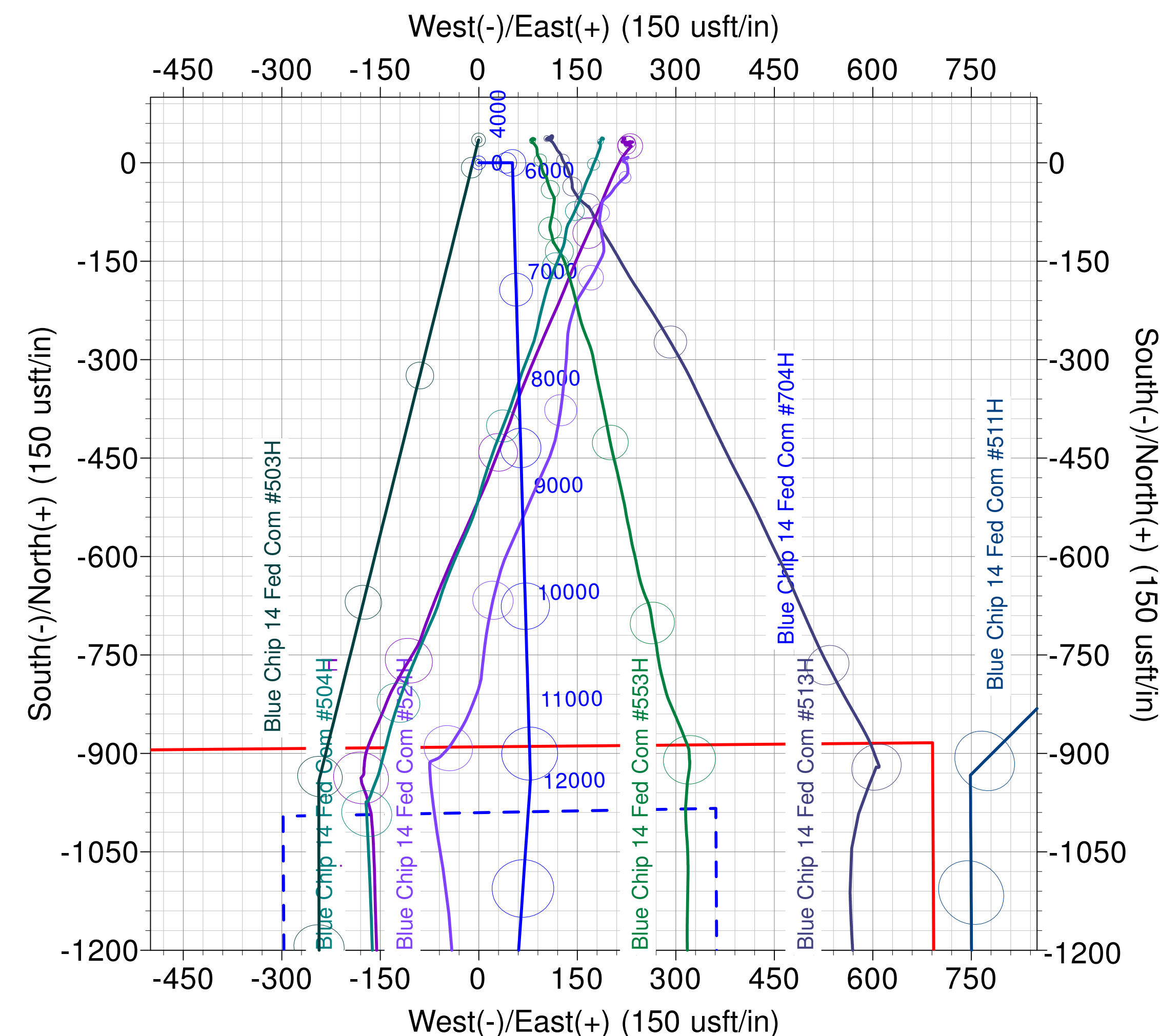
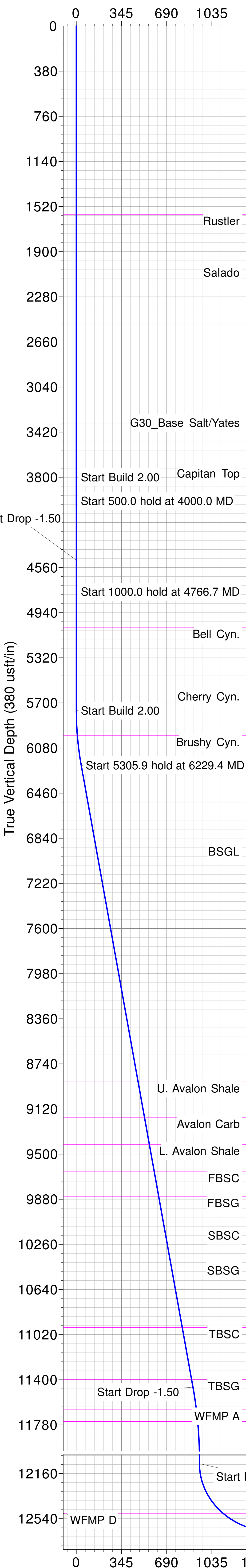


Azimuths to Grid North True North: -0.37° Magnetic North: 5.94° Magnetic Field Strength: 47426.1snT Dip Angle: 60.21° Date: 11/4/2023 Model: IGRF2015

| Name                              | TVD     | +N/-S    | +E/-W | Northing  | Easting   | Latitude         | Longitude         |
|-----------------------------------|---------|----------|-------|-----------|-----------|------------------|-------------------|
| BHL - Blue Chip 14 Fed Com 704H   | 12650.0 | -11343.1 | 91.7  | 530761.00 | 712976.00 | 32° 27' 26.212 N | 103° 38' 34.298 W |
| BPP1 - Blue Chip 14 Fed Com #704H | 12650.0 | -3529.0  | 43.5  | 538575.08 | 712927.88 | 32° 28' 43.537 N | 103° 38' 34.270 W |
| BPP2 - Blue Chip 14 Fed Com #704H | 12650.0 | -4847.0  | 51.7  | 537257.08 | 712936.00 | 32° 28' 30.495 N | 103° 38' 34.275 W |
| BPP3 - Blue Chip 14 Fed Com #704H | 12650.0 | -6164.0  | 59.8  | 535940.08 | 712944.11 | 32° 28' 17.462 N | 103° 38' 34.280 W |
| BPP4 - Blue Chip 14 Fed Com #704H | 12650.0 | -8808.0  | 76.1  | 533296.08 | 712960.39 | 32° 27' 51.298 N | 103° 38' 34.289 W |
| FPP - Blue Chip 14 Fed Com #704H  | 12311.2 | -990.0   | 75.2  | 541114.08 | 712959.55 | 32° 29' 8.659 N  | 103° 38' 33.708 W |
| KOP - Blue Chip 14 Fed Com 704H   | 12077.0 | -940.1   | 78.7  | 541164.00 | 712963.00 | 32° 29' 9.153 N  | 103° 38' 33.664 W |

SECTION DETAILS

| MD      | Inc   | Azi    | TVD     | +N/-S    | +E/-W | Dleg  | TFace  | Vsect   | Annotation                      |
|---------|-------|--------|---------|----------|-------|-------|--------|---------|---------------------------------|
| 0.0     | 0.00  | 0.00   | 0.0     | 0.0      | 0.0   | 0.00  | 0.00   | 0.0     |                                 |
| 3800.0  | 0.00  | 0.00   | 3800.0  | 0.0      | 0.0   | 0.00  | 0.00   | 0.0     | Start Build 2.00                |
| 4000.0  | 4.00  | 90.00  | 3999.8  | 0.0      | 7.0   | 2.00  | 90.00  | 0.0     | Start 500.0 hold at 4000.0 MD   |
| 4500.0  | 4.00  | 90.00  | 4498.6  | 0.0      | 41.9  | 0.00  | 0.00   | 0.2     | Start Drop -1.50                |
| 4766.7  | 0.00  | 0.00   | 4765.1  | 0.0      | 51.2  | 1.50  | 180.00 | 0.3     | Start 1000.0 hold at 4766.7 MD  |
| 5766.7  | 0.00  | 0.00   | 5765.1  | 0.0      | 51.2  | 0.00  | 0.00   | 0.3     | Start Build 2.00                |
| 6229.5  | 9.26  | 178.32 | 6225.9  | -37.3    | 52.3  | 2.00  | 178.32 | 37.6    | Start 5305.9 hold at 6229.4 MD  |
| 11535.3 | 9.26  | 178.32 | 11462.6 | -890.4   | 77.2  | 0.00  | 0.00   | 890.8   | Start Drop -1.50                |
| 12152.4 | 0.00  | 0.00   | 12077.0 | -940.1   | 78.7  | 1.50  | 180.00 | 940.5   | Start Build 10.00               |
| 13052.4 | 90.00 | 183.95 | 12650.0 | -1511.7  | 39.2  | 10.00 | 183.95 | 1511.9  | Start DLS 2.00 TFO -90.00       |
| 13267.5 | 90.00 | 179.65 | 12650.0 | -1726.7  | 32.4  | 2.00  | -90.00 | 1726.8  | Start 9616.6 hold at 13267.5 MD |
| 22884.1 | 90.00 | 179.65 | 12650.0 | -11343.1 | 91.7  | 0.00  | 0.00   | 11343.4 | TD at 22884.1                   |



TD at 22884.1

# **Matador Production Company**

**Ranger/Arrowhead**

**Blue Chip**

**Blue Chip 14 Fed Com #704H**

**Wellbore #1**

**Plan: BLM Plan #1**

## **Standard Planning Report**

**30 January, 2026**

## Planning Report

|                  |                            |                                     |                                 |
|------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Database:</b> | EDM 5000.14 Single User Db | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Company:</b>  | Matador Production Company | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Project:</b>  | Ranger/Arrowhead           | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site:</b>     | Blue Chip                  | <b>North Reference:</b>             | Grid                            |
| <b>Well:</b>     | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Wellbore:</b> | Wellbore #1                |                                     |                                 |
| <b>Design:</b>   | BLM Plan #1                |                                     |                                 |

|                    |                                      |                      |                |
|--------------------|--------------------------------------|----------------------|----------------|
| <b>Project</b>     | Ranger/Arrowhead                     |                      |                |
| <b>Map System:</b> | US State Plane 1927 (Exact solution) | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | NAD 1927 (NADCON CONUS)              |                      |                |
| <b>Map Zone:</b>   | New Mexico East 3001                 |                      |                |

| Site                    |     | Blue Chip             |                 |              |                   |
|-------------------------|-----|-----------------------|-----------------|--------------|-------------------|
| Site Position:<br>From: | Map | Northing:             | 542,185.00 usft | Latitude:    | 32° 29' 19.148 N  |
|                         |     | Easting:              | 714,648.00 usft | Longitude:   | 103° 38' 13.915 W |
|                         |     | Position Uncertainty: | 0.0 usft        | Slot Radius: | 13-3/16 "         |

|                      |                            |               |                     |                 |               |                   |
|----------------------|----------------------------|---------------|---------------------|-----------------|---------------|-------------------|
| Well                 | Blue Chip 14 Fed Com #704H |               |                     |                 |               |                   |
| Well Position        | +N/-S                      | -80.9 usft    | Northing:           | 542,104.08 usft | Latitude:     | 32° 29' 18.460 N  |
|                      | +E/-W                      | -1,763.7 usft | Easting:            | 712,884.33 usft | Longitude:    | 103° 38' 34.512 W |
| Position Uncertainty |                            | 0.0 usft      | Wellhead Elevation: |                 | Ground Level: | 3,859.0 usft      |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Wellbore #1       |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2015          | 11/4/2023          | 6.31                   | 60.21                | 47,426.07382329            |

|                          |                                |                     |                     |                      |     |
|--------------------------|--------------------------------|---------------------|---------------------|----------------------|-----|
| <b>Design</b>            | BLM Plan #1                    |                     |                     |                      |     |
| <b>Audit Notes:</b>      |                                |                     |                     |                      |     |
| <b>Version:</b>          |                                | <b>Phase:</b>       | PROTOTYPE           | <b>Tie On Depth:</b> | 0.0 |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Direction (°)</b> |     |
|                          | 0.0                            | 0.0                 | 0.0                 | 179.66               |     |

|                                 |                        |                                    |                     |                |  |
|---------------------------------|------------------------|------------------------------------|---------------------|----------------|--|
| <b>Plan Survey Tool Program</b> | <b>Date</b>            | 1/30/2026                          |                     |                |  |
| <b>Depth From (usft)</b>        | <b>Depth To (usft)</b> | <b>Survey (Wellbore)</b>           | <b>Tool Name</b>    | <b>Remarks</b> |  |
| 1                               | 0.0                    | 22,884.1 BLM Plan #1 (Wellbore #1) | MWD                 |                |  |
|                                 |                        |                                    | OWSG MWD - Standard |                |  |

## Planning Report

|                  |                            |                                     |                                 |
|------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Database:</b> | EDM 5000.14 Single User Db | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Company:</b>  | Matador Production Company | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Project:</b>  | Ranger/Arrowhead           | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site:</b>     | Blue Chip                  | <b>North Reference:</b>             | Grid                            |
| <b>Well:</b>     | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Wellbore:</b> | Wellbore #1                |                                     |                                 |
| <b>Design:</b>   | BLM Plan #1                |                                     |                                 |

| Plan Sections         |                 |             |                       |              |              |                         |                        |                       |         |                    |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|------------------------|-----------------------|---------|--------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target             |
| 0.0                   | 0.00            | 0.00        | 0.0                   | 0.0          | 0.0          | 0.00                    | 0.00                   | 0.00                  | 0.00    |                    |
| 3,800.0               | 0.00            | 0.00        | 3,800.0               | 0.0          | 0.0          | 0.00                    | 0.00                   | 0.00                  | 0.00    |                    |
| 4,000.0               | 4.00            | 90.00       | 3,999.8               | 0.0          | 7.0          | 2.00                    | 2.00                   | 0.00                  | 90.00   |                    |
| 4,500.0               | 4.00            | 90.00       | 4,498.6               | 0.0          | 41.9         | 0.00                    | 0.00                   | 0.00                  | 0.00    |                    |
| 4,766.7               | 0.00            | 0.00        | 4,765.1               | 0.0          | 51.2         | 1.50                    | -1.50                  | 0.00                  | 180.00  |                    |
| 5,766.7               | 0.00            | 0.00        | 5,765.1               | 0.0          | 51.2         | 0.00                    | 0.00                   | 0.00                  | 0.00    |                    |
| 6,229.5               | 9.26            | 178.32      | 6,225.9               | -37.3        | 52.3         | 2.00                    | 2.00                   | 0.00                  | 178.32  |                    |
| 11,535.3              | 9.26            | 178.32      | 11,462.6              | -890.4       | 77.2         | 0.00                    | 0.00                   | 0.00                  | 0.00    |                    |
| 12,152.4              | 0.00            | 0.00        | 12,077.0              | -940.1       | 78.7         | 1.50                    | -1.50                  | 0.00                  | 180.00  | KOP - Blue Chip 14 |
| 13,052.4              | 90.00           | 183.95      | 12,650.0              | -1,511.7     | 39.2         | 10.00                   | 10.00                  | 0.00                  | 183.95  |                    |
| 13,267.5              | 90.00           | 179.65      | 12,650.0              | -1,726.7     | 32.4         | 2.00                    | 0.00                   | -2.00                 | -90.00  |                    |
| 22,884.1              | 90.00           | 179.65      | 12,650.0              | -11,343.1    | 91.7         | 0.00                    | 0.00                   | 0.00                  | 0.00    | BHL - Blue Chip 14 |

## Planning Report

|                  |                            |                                     |                                 |
|------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Database:</b> | EDM 5000.14 Single User Db | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Company:</b>  | Matador Production Company | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Project:</b>  | Ranger/Arrowhead           | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site:</b>     | Blue Chip                  | <b>North Reference:</b>             | Grid                            |
| <b>Well:</b>     | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Wellbore:</b> | Wellbore #1                |                                     |                                 |
| <b>Design:</b>   | BLM Plan #1                |                                     |                                 |

| Planned Survey                       |                 |             |                       |              |              |                         |                         |                        |                       |
|--------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)                | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 0.0                                  | 0.00            | 0.00        | 0.0                   | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 100.0                                | 0.00            | 0.00        | 100.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 200.0                                | 0.00            | 0.00        | 200.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 300.0                                | 0.00            | 0.00        | 300.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 400.0                                | 0.00            | 0.00        | 400.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 500.0                                | 0.00            | 0.00        | 500.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 600.0                                | 0.00            | 0.00        | 600.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 700.0                                | 0.00            | 0.00        | 700.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 800.0                                | 0.00            | 0.00        | 800.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 900.0                                | 0.00            | 0.00        | 900.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,000.0                              | 0.00            | 0.00        | 1,000.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,100.0                              | 0.00            | 0.00        | 1,100.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,200.0                              | 0.00            | 0.00        | 1,200.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,300.0                              | 0.00            | 0.00        | 1,300.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,400.0                              | 0.00            | 0.00        | 1,400.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,500.0                              | 0.00            | 0.00        | 1,500.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,586.3                              | 0.00            | 0.00        | 1,586.3               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| <b>Rustler</b>                       |                 |             |                       |              |              |                         |                         |                        |                       |
| 1,600.0                              | 0.00            | 0.00        | 1,600.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,700.0                              | 0.00            | 0.00        | 1,700.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,800.0                              | 0.00            | 0.00        | 1,800.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,900.0                              | 0.00            | 0.00        | 1,900.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,000.0                              | 0.00            | 0.00        | 2,000.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,021.1                              | 0.00            | 0.00        | 2,021.1               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| <b>Salado</b>                        |                 |             |                       |              |              |                         |                         |                        |                       |
| 2,100.0                              | 0.00            | 0.00        | 2,100.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,200.0                              | 0.00            | 0.00        | 2,200.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,300.0                              | 0.00            | 0.00        | 2,300.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,400.0                              | 0.00            | 0.00        | 2,400.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,500.0                              | 0.00            | 0.00        | 2,500.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,600.0                              | 0.00            | 0.00        | 2,600.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,700.0                              | 0.00            | 0.00        | 2,700.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,800.0                              | 0.00            | 0.00        | 2,800.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 2,900.0                              | 0.00            | 0.00        | 2,900.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 3,000.0                              | 0.00            | 0.00        | 3,000.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 3,100.0                              | 0.00            | 0.00        | 3,100.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 3,200.0                              | 0.00            | 0.00        | 3,200.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 3,285.7                              | 0.00            | 0.00        | 3,285.7               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| <b>G30_Base Salt/Yates</b>           |                 |             |                       |              |              |                         |                         |                        |                       |
| 3,300.0                              | 0.00            | 0.00        | 3,300.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 3,400.0                              | 0.00            | 0.00        | 3,400.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 3,500.0                              | 0.00            | 0.00        | 3,500.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 3,600.0                              | 0.00            | 0.00        | 3,600.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 3,700.0                              | 0.00            | 0.00        | 3,700.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 3,712.4                              | 0.00            | 0.00        | 3,712.4               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| <b>Capitan Top</b>                   |                 |             |                       |              |              |                         |                         |                        |                       |
| 3,800.0                              | 0.00            | 0.00        | 3,800.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| <b>Start Build 2.00</b>              |                 |             |                       |              |              |                         |                         |                        |                       |
| 3,900.0                              | 2.00            | 90.00       | 3,900.0               | 0.0          | 1.7          | 0.0                     | 2.00                    | 2.00                   | 0.00                  |
| 4,000.0                              | 4.00            | 90.00       | 3,999.8               | 0.0          | 7.0          | 0.0                     | 2.00                    | 2.00                   | 0.00                  |
| <b>Start 500.0 hold at 4000.0 MD</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 4,100.0                              | 4.00            | 90.00       | 4,099.6               | 0.0          | 14.0         | 0.1                     | 0.00                    | 0.00                   | 0.00                  |
| 4,200.0                              | 4.00            | 90.00       | 4,199.4               | 0.0          | 20.9         | 0.1                     | 0.00                    | 0.00                   | 0.00                  |

## Planning Report

|                  |                            |                                     |                                 |
|------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Database:</b> | EDM 5000.14 Single User Db | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Company:</b>  | Matador Production Company | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Project:</b>  | Ranger/Arrowhead           | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site:</b>     | Blue Chip                  | <b>North Reference:</b>             | Grid                            |
| <b>Well:</b>     | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Wellbore:</b> | Wellbore #1                |                                     |                                 |
| <b>Design:</b>   | BLM Plan #1                |                                     |                                 |

| Planned Survey                        |                 |             |                       |              |              |                         |                         |                        |                       |  |
|---------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (usft)                 | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |  |
| 4,300.0                               | 4.00            | 90.00       | 4,299.1               | 0.0          | 27.9         | 0.2                     | 0.00                    | 0.00                   | 0.00                  |  |
| 4,400.0                               | 4.00            | 90.00       | 4,398.9               | 0.0          | 34.9         | 0.2                     | 0.00                    | 0.00                   | 0.00                  |  |
| 4,500.0                               | 4.00            | 90.00       | 4,498.6               | 0.0          | 41.9         | 0.2                     | 0.00                    | 0.00                   | 0.00                  |  |
| <b>Start Drop -1.50</b>               |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 4,600.0                               | 2.50            | 90.00       | 4,598.5               | 0.0          | 47.5         | 0.3                     | 1.50                    | -1.50                  | 0.00                  |  |
| 4,700.0                               | 1.00            | 90.00       | 4,698.4               | 0.0          | 50.6         | 0.3                     | 1.50                    | -1.50                  | 0.00                  |  |
| 4,766.7                               | 0.00            | 0.00        | 4,765.1               | 0.0          | 51.2         | 0.3                     | 1.50                    | -1.50                  | 0.00                  |  |
| <b>Start 1000.0 hold at 4766.7 MD</b> |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 4,800.0                               | 0.00            | 0.00        | 4,798.4               | 0.0          | 51.2         | 0.3                     | 0.00                    | 0.00                   | 0.00                  |  |
| 4,900.0                               | 0.00            | 0.00        | 4,898.4               | 0.0          | 51.2         | 0.3                     | 0.00                    | 0.00                   | 0.00                  |  |
| 5,000.0                               | 0.00            | 0.00        | 4,998.4               | 0.0          | 51.2         | 0.3                     | 0.00                    | 0.00                   | 0.00                  |  |
| 5,065.5                               | 0.00            | 0.00        | 5,063.9               | 0.0          | 51.2         | 0.3                     | 0.00                    | 0.00                   | 0.00                  |  |
| <b>Bell Cyn.</b>                      |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 5,100.0                               | 0.00            | 0.00        | 5,098.4               | 0.0          | 51.2         | 0.3                     | 0.00                    | 0.00                   | 0.00                  |  |
| 5,200.0                               | 0.00            | 0.00        | 5,198.4               | 0.0          | 51.2         | 0.3                     | 0.00                    | 0.00                   | 0.00                  |  |
| 5,300.0                               | 0.00            | 0.00        | 5,298.4               | 0.0          | 51.2         | 0.3                     | 0.00                    | 0.00                   | 0.00                  |  |
| 5,400.0                               | 0.00            | 0.00        | 5,398.4               | 0.0          | 51.2         | 0.3                     | 0.00                    | 0.00                   | 0.00                  |  |
| 5,500.0                               | 0.00            | 0.00        | 5,498.4               | 0.0          | 51.2         | 0.3                     | 0.00                    | 0.00                   | 0.00                  |  |
| 5,592.5                               | 0.00            | 0.00        | 5,590.9               | 0.0          | 51.2         | 0.3                     | 0.00                    | 0.00                   | 0.00                  |  |
| <b>Cherry Cyn.</b>                    |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 5,600.0                               | 0.00            | 0.00        | 5,598.4               | 0.0          | 51.2         | 0.3                     | 0.00                    | 0.00                   | 0.00                  |  |
| 5,700.0                               | 0.00            | 0.00        | 5,698.4               | 0.0          | 51.2         | 0.3                     | 0.00                    | 0.00                   | 0.00                  |  |
| 5,766.7                               | 0.00            | 0.00        | 5,765.1               | 0.0          | 51.2         | 0.3                     | 0.00                    | 0.00                   | 0.00                  |  |
| <b>Start Build 2.00</b>               |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 5,800.0                               | 0.67            | 178.32      | 5,798.4               | -0.2         | 51.2         | 0.5                     | 2.00                    | 2.00                   | 0.00                  |  |
| 5,900.0                               | 2.67            | 178.32      | 5,898.4               | -3.1         | 51.3         | 3.4                     | 2.00                    | 2.00                   | 0.00                  |  |
| 5,977.1                               | 4.21            | 178.32      | 5,975.3               | -7.7         | 51.4         | 8.0                     | 2.00                    | 2.00                   | 0.00                  |  |
| <b>Brushy Cyn.</b>                    |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 6,000.0                               | 4.67            | 178.32      | 5,998.1               | -9.5         | 51.4         | 9.8                     | 2.00                    | 2.00                   | 0.00                  |  |
| 6,100.0                               | 6.67            | 178.32      | 6,097.7               | -19.4        | 51.7         | 19.7                    | 2.00                    | 2.00                   | 0.00                  |  |
| 6,200.0                               | 8.67            | 178.32      | 6,196.8               | -32.7        | 52.1         | 33.0                    | 2.00                    | 2.00                   | 0.00                  |  |
| 6,229.4                               | 9.26            | 178.32      | 6,225.8               | -37.3        | 52.3         | 37.6                    | 2.00                    | 2.00                   | 0.00                  |  |
| <b>Start 5305.9 hold at 6229.4 MD</b> |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 6,300.0                               | 9.26            | 178.32      | 6,295.5               | -48.6        | 52.6         | 48.9                    | 0.00                    | 0.00                   | 0.00                  |  |
| 6,400.0                               | 9.26            | 178.32      | 6,394.2               | -64.7        | 53.1         | 65.0                    | 0.00                    | 0.00                   | 0.00                  |  |
| 6,500.0                               | 9.26            | 178.32      | 6,492.9               | -80.8        | 53.5         | 81.1                    | 0.00                    | 0.00                   | 0.00                  |  |
| 6,600.0                               | 9.26            | 178.32      | 6,591.6               | -96.9        | 54.0         | 97.2                    | 0.00                    | 0.00                   | 0.00                  |  |
| 6,700.0                               | 9.26            | 178.32      | 6,690.3               | -112.9       | 54.5         | 113.3                   | 0.00                    | 0.00                   | 0.00                  |  |
| 6,800.0                               | 9.26            | 178.32      | 6,789.0               | -129.0       | 54.9         | 129.3                   | 0.00                    | 0.00                   | 0.00                  |  |
| 6,900.0                               | 9.26            | 178.32      | 6,887.7               | -145.1       | 55.4         | 145.4                   | 0.00                    | 0.00                   | 0.00                  |  |
| 6,908.3                               | 9.26            | 178.32      | 6,895.8               | -146.4       | 55.4         | 146.8                   | 0.00                    | 0.00                   | 0.00                  |  |
| <b>BSGL</b>                           |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 7,000.0                               | 9.26            | 178.32      | 6,986.4               | -161.2       | 55.9         | 161.5                   | 0.00                    | 0.00                   | 0.00                  |  |
| 7,100.0                               | 9.26            | 178.32      | 7,085.1               | -177.3       | 56.3         | 177.6                   | 0.00                    | 0.00                   | 0.00                  |  |
| 7,200.0                               | 9.26            | 178.32      | 7,183.8               | -193.3       | 56.8         | 193.7                   | 0.00                    | 0.00                   | 0.00                  |  |
| 7,300.0                               | 9.26            | 178.32      | 7,282.5               | -209.4       | 57.3         | 209.7                   | 0.00                    | 0.00                   | 0.00                  |  |
| 7,400.0                               | 9.26            | 178.32      | 7,381.2               | -225.5       | 57.8         | 225.8                   | 0.00                    | 0.00                   | 0.00                  |  |
| 7,500.0                               | 9.26            | 178.32      | 7,479.8               | -241.6       | 58.2         | 241.9                   | 0.00                    | 0.00                   | 0.00                  |  |
| 7,600.0                               | 9.26            | 178.32      | 7,578.5               | -257.6       | 58.7         | 258.0                   | 0.00                    | 0.00                   | 0.00                  |  |
| 7,700.0                               | 9.26            | 178.32      | 7,677.2               | -273.7       | 59.2         | 274.1                   | 0.00                    | 0.00                   | 0.00                  |  |
| 7,800.0                               | 9.26            | 178.32      | 7,775.9               | -289.8       | 59.6         | 290.1                   | 0.00                    | 0.00                   | 0.00                  |  |
| 7,900.0                               | 9.26            | 178.32      | 7,874.6               | -305.9       | 60.1         | 306.2                   | 0.00                    | 0.00                   | 0.00                  |  |
| 8,000.0                               | 9.26            | 178.32      | 7,973.3               | -322.0       | 60.6         | 322.3                   | 0.00                    | 0.00                   | 0.00                  |  |

## Planning Report

|                  |                            |                                     |                                 |
|------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Database:</b> | EDM 5000.14 Single User Db | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Company:</b>  | Matador Production Company | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Project:</b>  | Ranger/Arrowhead           | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site:</b>     | Blue Chip                  | <b>North Reference:</b>             | Grid                            |
| <b>Well:</b>     | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Wellbore:</b> | Wellbore #1                |                                     |                                 |
| <b>Design:</b>   | BLM Plan #1                |                                     |                                 |

| Planned Survey         |                 |             |                       |              |              |                         |                         |                        |                       |  |
|------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (usft)  | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |  |
| 8,100.0                | 9.26            | 178.32      | 8,072.0               | -338.0       | 61.1         | 338.4                   | 0.00                    | 0.00                   | 0.00                  |  |
| 8,200.0                | 9.26            | 178.32      | 8,170.7               | -354.1       | 61.5         | 354.5                   | 0.00                    | 0.00                   | 0.00                  |  |
| 8,300.0                | 9.26            | 178.32      | 8,269.4               | -370.2       | 62.0         | 370.5                   | 0.00                    | 0.00                   | 0.00                  |  |
| 8,400.0                | 9.26            | 178.32      | 8,368.1               | -386.3       | 62.5         | 386.6                   | 0.00                    | 0.00                   | 0.00                  |  |
| 8,500.0                | 9.26            | 178.32      | 8,466.8               | -402.3       | 62.9         | 402.7                   | 0.00                    | 0.00                   | 0.00                  |  |
| 8,600.0                | 9.26            | 178.32      | 8,565.5               | -418.4       | 63.4         | 418.8                   | 0.00                    | 0.00                   | 0.00                  |  |
| 8,700.0                | 9.26            | 178.32      | 8,664.2               | -434.5       | 63.9         | 434.9                   | 0.00                    | 0.00                   | 0.00                  |  |
| 8,800.0                | 9.26            | 178.32      | 8,762.9               | -450.6       | 64.3         | 451.0                   | 0.00                    | 0.00                   | 0.00                  |  |
| 8,900.0                | 9.26            | 178.32      | 8,861.6               | -466.7       | 64.8         | 467.0                   | 0.00                    | 0.00                   | 0.00                  |  |
| 8,929.6                | 9.26            | 178.32      | 8,890.8               | -471.4       | 65.0         | 471.8                   | 0.00                    | 0.00                   | 0.00                  |  |
| <b>U. Avalon Shale</b> |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 9,000.0                | 9.26            | 178.32      | 8,960.3               | -482.7       | 65.3         | 483.1                   | 0.00                    | 0.00                   | 0.00                  |  |
| 9,100.0                | 9.26            | 178.32      | 9,059.0               | -498.8       | 65.8         | 499.2                   | 0.00                    | 0.00                   | 0.00                  |  |
| 9,200.0                | 9.26            | 178.32      | 9,157.7               | -514.9       | 66.2         | 515.3                   | 0.00                    | 0.00                   | 0.00                  |  |
| 9,233.1                | 9.26            | 178.32      | 9,190.4               | -520.2       | 66.4         | 520.6                   | 0.00                    | 0.00                   | 0.00                  |  |
| <b>Avalon Carb</b>     |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 9,300.0                | 9.26            | 178.32      | 9,256.4               | -531.0       | 66.7         | 531.4                   | 0.00                    | 0.00                   | 0.00                  |  |
| 9,400.0                | 9.26            | 178.32      | 9,355.1               | -547.0       | 67.2         | 547.4                   | 0.00                    | 0.00                   | 0.00                  |  |
| 9,464.1                | 9.26            | 178.32      | 9,418.4               | -557.4       | 67.5         | 557.7                   | 0.00                    | 0.00                   | 0.00                  |  |
| <b>L. Avalon Shale</b> |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 9,500.0                | 9.26            | 178.32      | 9,453.8               | -563.1       | 67.6         | 563.5                   | 0.00                    | 0.00                   | 0.00                  |  |
| 9,600.0                | 9.26            | 178.32      | 9,552.5               | -579.2       | 68.1         | 579.6                   | 0.00                    | 0.00                   | 0.00                  |  |
| 9,696.5                | 9.26            | 178.32      | 9,647.7               | -594.7       | 68.6         | 595.1                   | 0.00                    | 0.00                   | 0.00                  |  |
| <b>FBSC</b>            |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 9,700.0                | 9.26            | 178.32      | 9,651.2               | -595.3       | 68.6         | 595.7                   | 0.00                    | 0.00                   | 0.00                  |  |
| 9,800.0                | 9.26            | 178.32      | 9,749.9               | -611.4       | 69.0         | 611.8                   | 0.00                    | 0.00                   | 0.00                  |  |
| 9,900.0                | 9.26            | 178.32      | 9,848.6               | -627.4       | 69.5         | 627.8                   | 0.00                    | 0.00                   | 0.00                  |  |
| 9,907.5                | 9.26            | 178.32      | 9,856.0               | -628.7       | 69.6         | 629.1                   | 0.00                    | 0.00                   | 0.00                  |  |
| <b>FBSC</b>            |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 10,000.0               | 9.26            | 178.32      | 9,947.3               | -643.5       | 70.0         | 643.9                   | 0.00                    | 0.00                   | 0.00                  |  |
| 10,100.0               | 9.26            | 178.32      | 10,046.0              | -659.6       | 70.5         | 660.0                   | 0.00                    | 0.00                   | 0.00                  |  |
| 10,184.9               | 9.26            | 178.32      | 10,129.8              | -673.2       | 70.9         | 673.6                   | 0.00                    | 0.00                   | 0.00                  |  |
| <b>SBSC</b>            |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 10,200.0               | 9.26            | 178.32      | 10,144.7              | -675.7       | 70.9         | 676.1                   | 0.00                    | 0.00                   | 0.00                  |  |
| 10,300.0               | 9.26            | 178.32      | 10,243.4              | -691.7       | 71.4         | 692.2                   | 0.00                    | 0.00                   | 0.00                  |  |
| 10,400.0               | 9.26            | 178.32      | 10,342.1              | -707.8       | 71.9         | 708.2                   | 0.00                    | 0.00                   | 0.00                  |  |
| 10,484.2               | 9.26            | 178.32      | 10,425.2              | -721.4       | 72.3         | 721.8                   | 0.00                    | 0.00                   | 0.00                  |  |
| <b>SBSG</b>            |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 10,500.0               | 9.26            | 178.32      | 10,440.8              | -723.9       | 72.3         | 724.3                   | 0.00                    | 0.00                   | 0.00                  |  |
| 10,600.0               | 9.26            | 178.32      | 10,539.5              | -740.0       | 72.8         | 740.4                   | 0.00                    | 0.00                   | 0.00                  |  |
| 10,700.0               | 9.26            | 178.32      | 10,638.2              | -756.1       | 73.3         | 756.5                   | 0.00                    | 0.00                   | 0.00                  |  |
| 10,800.0               | 9.26            | 178.32      | 10,736.9              | -772.1       | 73.8         | 772.6                   | 0.00                    | 0.00                   | 0.00                  |  |
| 10,900.0               | 9.26            | 178.32      | 10,835.6              | -788.2       | 74.2         | 788.6                   | 0.00                    | 0.00                   | 0.00                  |  |
| 11,000.0               | 9.26            | 178.32      | 10,934.3              | -804.3       | 74.7         | 804.7                   | 0.00                    | 0.00                   | 0.00                  |  |
| 11,026.5               | 9.26            | 178.32      | 10,960.5              | -808.6       | 74.8         | 809.0                   | 0.00                    | 0.00                   | 0.00                  |  |
| <b>TBSC</b>            |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 11,100.0               | 9.26            | 178.32      | 11,033.0              | -820.4       | 75.2         | 820.8                   | 0.00                    | 0.00                   | 0.00                  |  |
| 11,200.0               | 9.26            | 178.32      | 11,131.7              | -836.5       | 75.6         | 836.9                   | 0.00                    | 0.00                   | 0.00                  |  |
| 11,300.0               | 9.26            | 178.32      | 11,230.4              | -852.5       | 76.1         | 853.0                   | 0.00                    | 0.00                   | 0.00                  |  |
| 11,400.0               | 9.26            | 178.32      | 11,329.1              | -868.6       | 76.6         | 869.0                   | 0.00                    | 0.00                   | 0.00                  |  |
| 11,469.8               | 9.26            | 178.32      | 11,397.9              | -879.8       | 76.9         | 880.3                   | 0.00                    | 0.00                   | 0.00                  |  |
| <b>TBSG</b>            |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 11,500.0               | 9.26            | 178.32      | 11,427.8              | -884.7       | 77.0         | 885.1                   | 0.00                    | 0.00                   | 0.00                  |  |

## Planning Report

|                  |                            |                                     |                                 |
|------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Database:</b> | EDM 5000.14 Single User Db | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Company:</b>  | Matador Production Company | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Project:</b>  | Ranger/Arrowhead           | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site:</b>     | Blue Chip                  | <b>North Reference:</b>             | Grid                            |
| <b>Well:</b>     | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Wellbore:</b> | Wellbore #1                |                                     |                                 |
| <b>Design:</b>   | BLM Plan #1                |                                     |                                 |

| Planned Survey                                             |                 |             |                       |              |              |                         |                         |                        |                       |
|------------------------------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)                                      | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 11,535.3                                                   | 9.26            | 178.32      | 11,462.6              | -890.4       | 77.2         | 890.8                   | 0.00                    | 0.00                   | 0.00                  |
| <b>Start Drop -1.50</b>                                    |                 |             |                       |              |              |                         |                         |                        |                       |
| 11,600.0                                                   | 8.29            | 178.32      | 11,526.5              | -900.2       | 77.5         | 900.7                   | 1.50                    | -1.50                  | 0.00                  |
| 11,700.0                                                   | 6.79            | 178.32      | 11,625.7              | -913.3       | 77.9         | 913.8                   | 1.50                    | -1.50                  | 0.00                  |
| 11,726.8                                                   | 6.38            | 178.32      | 11,652.3              | -916.4       | 78.0         | 916.8                   | 1.50                    | -1.50                  | 0.00                  |
| <b>WFMP A</b>                                              |                 |             |                       |              |              |                         |                         |                        |                       |
| 11,800.0                                                   | 5.29            | 178.32      | 11,725.1              | -923.8       | 78.2         | 924.3                   | 1.50                    | -1.50                  | 0.00                  |
| 11,826.9                                                   | 4.88            | 178.32      | 11,751.9              | -926.2       | 78.3         | 926.7                   | 1.50                    | -1.50                  | 0.00                  |
| <b>WFMP B</b>                                              |                 |             |                       |              |              |                         |                         |                        |                       |
| 11,900.0                                                   | 3.79            | 178.32      | 11,824.8              | -931.7       | 78.4         | 932.2                   | 1.50                    | -1.50                  | 0.00                  |
| 12,000.0                                                   | 2.29            | 178.32      | 11,924.7              | -937.0       | 78.6         | 937.5                   | 1.50                    | -1.50                  | 0.00                  |
| 12,100.0                                                   | 0.79            | 178.32      | 12,024.6              | -939.7       | 78.7         | 940.2                   | 1.50                    | -1.50                  | 0.00                  |
| 12,152.4                                                   | 0.00            | 178.32      | 12,077.0              | -940.1       | 78.7         | 940.5                   | 1.50                    | -1.50                  | 0.00                  |
| <b>Start Build 10.00 - KOP - Blue Chip 14 Fed Com 704H</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 12,200.0                                                   | 4.76            | 183.95      | 12,124.6              | -942.1       | 78.5         | 942.5                   | 10.00                   | 10.00                  | 11.81                 |
| 12,250.0                                                   | 9.76            | 183.95      | 12,174.2              | -948.4       | 78.1         | 948.8                   | 10.00                   | 10.00                  | 0.00                  |
| 12,300.0                                                   | 14.76           | 183.95      | 12,223.0              | -958.9       | 77.4         | 959.4                   | 10.00                   | 10.00                  | 0.00                  |
| 12,350.0                                                   | 19.76           | 183.95      | 12,270.7              | -973.7       | 76.3         | 974.2                   | 10.00                   | 10.00                  | 0.00                  |
| 12,393.6                                                   | 24.12           | 183.95      | 12,311.2              | -990.0       | 75.2         | 990.4                   | 10.00                   | 10.00                  | 0.00                  |
| <b>FPP - Blue Chip 14 Fed Com #704H</b>                    |                 |             |                       |              |              |                         |                         |                        |                       |
| 12,400.0                                                   | 24.76           | 183.95      | 12,317.0              | -992.6       | 75.0         | 993.1                   | 10.00                   | 10.00                  | 0.00                  |
| 12,450.0                                                   | 29.76           | 183.95      | 12,361.4              | -1,015.5     | 73.5         | 1,015.9                 | 10.00                   | 10.00                  | 0.00                  |
| 12,500.0                                                   | 34.76           | 183.95      | 12,403.7              | -1,042.1     | 71.6         | 1,042.5                 | 10.00                   | 10.00                  | 0.00                  |
| 12,550.0                                                   | 39.76           | 183.95      | 12,443.5              | -1,072.3     | 69.5         | 1,072.7                 | 10.00                   | 10.00                  | 0.00                  |
| 12,600.0                                                   | 44.76           | 183.95      | 12,480.5              | -1,105.8     | 67.2         | 1,106.2                 | 10.00                   | 10.00                  | 0.00                  |
| 12,623.1                                                   | 47.07           | 183.95      | 12,496.5              | -1,122.4     | 66.1         | 1,122.8                 | 10.00                   | 10.00                  | 0.00                  |
| <b>WFMP D</b>                                              |                 |             |                       |              |              |                         |                         |                        |                       |
| 12,650.0                                                   | 49.76           | 183.95      | 12,514.4              | -1,142.4     | 64.7         | 1,142.8                 | 10.00                   | 10.00                  | 0.00                  |
| 12,700.0                                                   | 54.76           | 183.95      | 12,545.0              | -1,181.9     | 62.0         | 1,182.2                 | 10.00                   | 10.00                  | 0.00                  |
| 12,750.0                                                   | 59.76           | 183.95      | 12,572.0              | -1,223.8     | 59.1         | 1,224.2                 | 10.00                   | 10.00                  | 0.00                  |
| 12,800.0                                                   | 64.76           | 183.95      | 12,595.3              | -1,268.0     | 56.0         | 1,268.3                 | 10.00                   | 10.00                  | 0.00                  |
| 12,850.0                                                   | 69.76           | 183.95      | 12,614.6              | -1,314.0     | 52.9         | 1,314.2                 | 10.00                   | 10.00                  | 0.00                  |
| 12,900.0                                                   | 74.76           | 183.95      | 12,629.8              | -1,361.4     | 49.6         | 1,361.7                 | 10.00                   | 10.00                  | 0.00                  |
| 12,950.0                                                   | 79.76           | 183.95      | 12,640.8              | -1,410.1     | 46.2         | 1,410.3                 | 10.00                   | 10.00                  | 0.00                  |
| 13,000.0                                                   | 84.76           | 183.95      | 12,647.6              | -1,459.5     | 42.8         | 1,459.7                 | 10.00                   | 10.00                  | 0.00                  |
| 13,052.4                                                   | 90.00           | 183.95      | 12,650.0              | -1,511.7     | 39.2         | 1,511.9                 | 10.00                   | 10.00                  | 0.00                  |
| <b>Start DLS 2.00 TFO -90.00</b>                           |                 |             |                       |              |              |                         |                         |                        |                       |
| 13,100.0                                                   | 90.00           | 183.00      | 12,650.0              | -1,559.2     | 36.3         | 1,559.4                 | 2.00                    | 0.00                   | -2.00                 |
| 13,200.0                                                   | 90.00           | 181.00      | 12,650.0              | -1,659.1     | 32.8         | 1,659.3                 | 2.00                    | 0.00                   | -2.00                 |
| 13,267.5                                                   | 90.00           | 179.65      | 12,650.0              | -1,726.6     | 32.4         | 1,726.8                 | 2.00                    | 0.00                   | -2.00                 |
| <b>Start 9616.6 hold at 13267.5 MD</b>                     |                 |             |                       |              |              |                         |                         |                        |                       |
| 13,300.0                                                   | 90.00           | 179.65      | 12,650.0              | -1,759.1     | 32.6         | 1,759.3                 | 0.00                    | 0.00                   | 0.00                  |
| 13,400.0                                                   | 90.00           | 179.65      | 12,650.0              | -1,859.1     | 33.3         | 1,859.3                 | 0.00                    | 0.00                   | 0.00                  |
| 13,500.0                                                   | 90.00           | 179.65      | 12,650.0              | -1,959.1     | 33.9         | 1,959.3                 | 0.00                    | 0.00                   | 0.00                  |
| 13,600.0                                                   | 90.00           | 179.65      | 12,650.0              | -2,059.1     | 34.5         | 2,059.3                 | 0.00                    | 0.00                   | 0.00                  |
| 13,700.0                                                   | 90.00           | 179.65      | 12,650.0              | -2,159.1     | 35.1         | 2,159.3                 | 0.00                    | 0.00                   | 0.00                  |
| 13,800.0                                                   | 90.00           | 179.65      | 12,650.0              | -2,259.1     | 35.7         | 2,259.3                 | 0.00                    | 0.00                   | 0.00                  |
| 13,900.0                                                   | 90.00           | 179.65      | 12,650.0              | -2,359.1     | 36.3         | 2,359.3                 | 0.00                    | 0.00                   | 0.00                  |
| 14,000.0                                                   | 90.00           | 179.65      | 12,650.0              | -2,459.1     | 37.0         | 2,459.3                 | 0.00                    | 0.00                   | 0.00                  |
| 14,100.0                                                   | 90.00           | 179.65      | 12,650.0              | -2,559.1     | 37.6         | 2,559.3                 | 0.00                    | 0.00                   | 0.00                  |
| 14,200.0                                                   | 90.00           | 179.65      | 12,650.0              | -2,659.1     | 38.2         | 2,659.3                 | 0.00                    | 0.00                   | 0.00                  |
| 14,300.0                                                   | 90.00           | 179.65      | 12,650.0              | -2,759.1     | 38.8         | 2,759.3                 | 0.00                    | 0.00                   | 0.00                  |
| 14,400.0                                                   | 90.00           | 179.65      | 12,650.0              | -2,859.1     | 39.4         | 2,859.3                 | 0.00                    | 0.00                   | 0.00                  |

## Planning Report

|                  |                            |                                     |                                 |
|------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Database:</b> | EDM 5000.14 Single User Db | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Company:</b>  | Matador Production Company | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Project:</b>  | Ranger/Arrowhead           | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site:</b>     | Blue Chip                  | <b>North Reference:</b>             | Grid                            |
| <b>Well:</b>     | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Wellbore:</b> | Wellbore #1                |                                     |                                 |
| <b>Design:</b>   | BLM Plan #1                |                                     |                                 |

| Planned Survey                           |                 |             |                       |              |              |                         |                         |                        |                       |  |
|------------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (usft)                    | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |  |
| 14,500.0                                 | 90.00           | 179.65      | 12,650.0              | -2,959.1     | 40.0         | 2,959.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 14,600.0                                 | 90.00           | 179.65      | 12,650.0              | -3,059.1     | 40.7         | 3,059.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 14,700.0                                 | 90.00           | 179.65      | 12,650.0              | -3,159.1     | 41.3         | 3,159.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 14,800.0                                 | 90.00           | 179.65      | 12,650.0              | -3,259.1     | 41.9         | 3,259.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 14,900.0                                 | 90.00           | 179.65      | 12,650.0              | -3,359.1     | 42.5         | 3,359.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 15,000.0                                 | 90.00           | 179.65      | 12,650.0              | -3,459.1     | 43.1         | 3,459.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 15,069.9                                 | 90.00           | 179.65      | 12,650.0              | -3,529.0     | 43.5         | 3,529.2                 | 0.00                    | 0.00                   | 0.00                  |  |
| <b>BPP1 - Blue Chip 14 Fed Com #704H</b> |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 15,100.0                                 | 90.00           | 179.65      | 12,650.0              | -3,559.1     | 43.7         | 3,559.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 15,200.0                                 | 90.00           | 179.65      | 12,650.0              | -3,659.1     | 44.3         | 3,659.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 15,300.0                                 | 90.00           | 179.65      | 12,650.0              | -3,759.1     | 45.0         | 3,759.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 15,400.0                                 | 90.00           | 179.65      | 12,650.0              | -3,859.1     | 45.6         | 3,859.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 15,500.0                                 | 90.00           | 179.65      | 12,650.0              | -3,959.1     | 46.2         | 3,959.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 15,600.0                                 | 90.00           | 179.65      | 12,650.0              | -4,059.1     | 46.8         | 4,059.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 15,700.0                                 | 90.00           | 179.65      | 12,650.0              | -4,159.1     | 47.4         | 4,159.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 15,800.0                                 | 90.00           | 179.65      | 12,650.0              | -4,259.1     | 48.0         | 4,259.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 15,900.0                                 | 90.00           | 179.65      | 12,650.0              | -4,359.1     | 48.7         | 4,359.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 16,000.0                                 | 90.00           | 179.65      | 12,650.0              | -4,459.1     | 49.3         | 4,459.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 16,100.0                                 | 90.00           | 179.65      | 12,650.0              | -4,559.1     | 49.9         | 4,559.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 16,200.0                                 | 90.00           | 179.65      | 12,650.0              | -4,659.1     | 50.5         | 4,659.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 16,300.0                                 | 90.00           | 179.65      | 12,650.0              | -4,759.1     | 51.1         | 4,759.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 16,387.9                                 | 90.00           | 179.65      | 12,650.0              | -4,847.0     | 51.7         | 4,847.2                 | 0.00                    | 0.00                   | 0.00                  |  |
| <b>BPP2 - Blue Chip 14 Fed Com #704H</b> |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 16,400.0                                 | 90.00           | 179.65      | 12,650.0              | -4,859.1     | 51.7         | 4,859.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 16,500.0                                 | 90.00           | 179.65      | 12,650.0              | -4,959.1     | 52.4         | 4,959.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 16,600.0                                 | 90.00           | 179.65      | 12,650.0              | -5,059.1     | 53.0         | 5,059.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 16,700.0                                 | 90.00           | 179.65      | 12,650.0              | -5,159.1     | 53.6         | 5,159.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 16,800.0                                 | 90.00           | 179.65      | 12,650.0              | -5,259.1     | 54.2         | 5,259.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 16,900.0                                 | 90.00           | 179.65      | 12,650.0              | -5,359.1     | 54.8         | 5,359.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 17,000.0                                 | 90.00           | 179.65      | 12,650.0              | -5,459.1     | 55.4         | 5,459.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 17,100.0                                 | 90.00           | 179.65      | 12,650.0              | -5,559.1     | 56.0         | 5,559.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 17,200.0                                 | 90.00           | 179.65      | 12,650.0              | -5,659.1     | 56.7         | 5,659.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 17,300.0                                 | 90.00           | 179.65      | 12,650.0              | -5,759.1     | 57.3         | 5,759.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 17,400.0                                 | 90.00           | 179.65      | 12,650.0              | -5,859.1     | 57.9         | 5,859.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 17,500.0                                 | 90.00           | 179.65      | 12,650.0              | -5,959.1     | 58.5         | 5,959.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 17,600.0                                 | 90.00           | 179.65      | 12,650.0              | -6,059.1     | 59.1         | 6,059.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 17,700.0                                 | 90.00           | 179.65      | 12,650.0              | -6,159.1     | 59.7         | 6,159.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 17,704.9                                 | 90.00           | 179.65      | 12,650.0              | -6,164.0     | 59.8         | 6,164.2                 | 0.00                    | 0.00                   | 0.00                  |  |
| <b>BPP3 - Blue Chip 14 Fed Com #704H</b> |                 |             |                       |              |              |                         |                         |                        |                       |  |
| 17,800.0                                 | 90.00           | 179.65      | 12,650.0              | -6,259.1     | 60.4         | 6,259.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 17,900.0                                 | 90.00           | 179.65      | 12,650.0              | -6,359.1     | 61.0         | 6,359.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 18,000.0                                 | 90.00           | 179.65      | 12,650.0              | -6,459.1     | 61.6         | 6,459.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 18,100.0                                 | 90.00           | 179.65      | 12,650.0              | -6,559.1     | 62.2         | 6,559.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 18,200.0                                 | 90.00           | 179.65      | 12,650.0              | -6,659.0     | 62.8         | 6,659.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 18,300.0                                 | 90.00           | 179.65      | 12,650.0              | -6,759.0     | 63.4         | 6,759.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 18,400.0                                 | 90.00           | 179.65      | 12,650.0              | -6,859.0     | 64.1         | 6,859.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 18,500.0                                 | 90.00           | 179.65      | 12,650.0              | -6,959.0     | 64.7         | 6,959.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 18,600.0                                 | 90.00           | 179.65      | 12,650.0              | -7,059.0     | 65.3         | 7,059.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 18,700.0                                 | 90.00           | 179.65      | 12,650.0              | -7,159.0     | 65.9         | 7,159.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 18,800.0                                 | 90.00           | 179.65      | 12,650.0              | -7,259.0     | 66.5         | 7,259.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 18,900.0                                 | 90.00           | 179.65      | 12,650.0              | -7,359.0     | 67.1         | 7,359.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 19,000.0                                 | 90.00           | 179.65      | 12,650.0              | -7,459.0     | 67.7         | 7,459.3                 | 0.00                    | 0.00                   | 0.00                  |  |
| 19,100.0                                 | 90.00           | 179.65      | 12,650.0              | -7,559.0     | 68.4         | 7,559.3                 | 0.00                    | 0.00                   | 0.00                  |  |

## Planning Report

|                  |                            |                                     |                                 |
|------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Database:</b> | EDM 5000.14 Single User Db | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Company:</b>  | Matador Production Company | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Project:</b>  | Ranger/Arrowhead           | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site:</b>     | Blue Chip                  | <b>North Reference:</b>             | Grid                            |
| <b>Well:</b>     | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Wellbore:</b> | Wellbore #1                |                                     |                                 |
| <b>Design:</b>   | BLM Plan #1                |                                     |                                 |

| Planned Survey                                         |                 |             |                       |              |              |                         |                         |                        |                       |
|--------------------------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)                                  | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 19,200.0                                               | 90.00           | 179.65      | 12,650.0              | -7,659.0     | 69.0         | 7,659.3                 | 0.00                    | 0.00                   | 0.00                  |
| 19,300.0                                               | 90.00           | 179.65      | 12,650.0              | -7,759.0     | 69.6         | 7,759.3                 | 0.00                    | 0.00                   | 0.00                  |
| 19,400.0                                               | 90.00           | 179.65      | 12,650.0              | -7,859.0     | 70.2         | 7,859.3                 | 0.00                    | 0.00                   | 0.00                  |
| 19,500.0                                               | 90.00           | 179.65      | 12,650.0              | -7,959.0     | 70.8         | 7,959.3                 | 0.00                    | 0.00                   | 0.00                  |
| 19,600.0                                               | 90.00           | 179.65      | 12,650.0              | -8,059.0     | 71.4         | 8,059.3                 | 0.00                    | 0.00                   | 0.00                  |
| 19,700.0                                               | 90.00           | 179.65      | 12,650.0              | -8,159.0     | 72.1         | 8,159.3                 | 0.00                    | 0.00                   | 0.00                  |
| 19,800.0                                               | 90.00           | 179.65      | 12,650.0              | -8,259.0     | 72.7         | 8,259.3                 | 0.00                    | 0.00                   | 0.00                  |
| 19,900.0                                               | 90.00           | 179.65      | 12,650.0              | -8,359.0     | 73.3         | 8,359.3                 | 0.00                    | 0.00                   | 0.00                  |
| 20,000.0                                               | 90.00           | 179.65      | 12,650.0              | -8,459.0     | 73.9         | 8,459.3                 | 0.00                    | 0.00                   | 0.00                  |
| 20,100.0                                               | 90.00           | 179.65      | 12,650.0              | -8,559.0     | 74.5         | 8,559.3                 | 0.00                    | 0.00                   | 0.00                  |
| 20,200.0                                               | 90.00           | 179.65      | 12,650.0              | -8,659.0     | 75.1         | 8,659.3                 | 0.00                    | 0.00                   | 0.00                  |
| 20,300.0                                               | 90.00           | 179.65      | 12,650.0              | -8,759.0     | 75.8         | 8,759.3                 | 0.00                    | 0.00                   | 0.00                  |
| 20,349.0                                               | 90.00           | 179.65      | 12,650.0              | -8,808.0     | 76.1         | 8,808.3                 | 0.00                    | 0.00                   | 0.00                  |
| <b>BPP4 - Blue Chip 14 Fed Com #704H</b>               |                 |             |                       |              |              |                         |                         |                        |                       |
| 20,400.0                                               | 90.00           | 179.65      | 12,650.0              | -8,859.0     | 76.4         | 8,859.3                 | 0.00                    | 0.00                   | 0.00                  |
| 20,500.0                                               | 90.00           | 179.65      | 12,650.0              | -8,959.0     | 77.0         | 8,959.3                 | 0.00                    | 0.00                   | 0.00                  |
| 20,600.0                                               | 90.00           | 179.65      | 12,650.0              | -9,059.0     | 77.6         | 9,059.3                 | 0.00                    | 0.00                   | 0.00                  |
| 20,700.0                                               | 90.00           | 179.65      | 12,650.0              | -9,159.0     | 78.2         | 9,159.3                 | 0.00                    | 0.00                   | 0.00                  |
| 20,800.0                                               | 90.00           | 179.65      | 12,650.0              | -9,259.0     | 78.8         | 9,259.3                 | 0.00                    | 0.00                   | 0.00                  |
| 20,900.0                                               | 90.00           | 179.65      | 12,650.0              | -9,359.0     | 79.4         | 9,359.3                 | 0.00                    | 0.00                   | 0.00                  |
| 21,000.0                                               | 90.00           | 179.65      | 12,650.0              | -9,459.0     | 80.1         | 9,459.3                 | 0.00                    | 0.00                   | 0.00                  |
| 21,100.0                                               | 90.00           | 179.65      | 12,650.0              | -9,559.0     | 80.7         | 9,559.3                 | 0.00                    | 0.00                   | 0.00                  |
| 21,200.0                                               | 90.00           | 179.65      | 12,650.0              | -9,659.0     | 81.3         | 9,659.3                 | 0.00                    | 0.00                   | 0.00                  |
| 21,300.0                                               | 90.00           | 179.65      | 12,650.0              | -9,759.0     | 81.9         | 9,759.3                 | 0.00                    | 0.00                   | 0.00                  |
| 21,400.0                                               | 90.00           | 179.65      | 12,650.0              | -9,859.0     | 82.5         | 9,859.3                 | 0.00                    | 0.00                   | 0.00                  |
| 21,500.0                                               | 90.00           | 179.65      | 12,650.0              | -9,959.0     | 83.1         | 9,959.3                 | 0.00                    | 0.00                   | 0.00                  |
| 21,600.0                                               | 90.00           | 179.65      | 12,650.0              | -10,059.0    | 83.8         | 10,059.3                | 0.00                    | 0.00                   | 0.00                  |
| 21,700.0                                               | 90.00           | 179.65      | 12,650.0              | -10,159.0    | 84.4         | 10,159.3                | 0.00                    | 0.00                   | 0.00                  |
| 21,800.0                                               | 90.00           | 179.65      | 12,650.0              | -10,259.0    | 85.0         | 10,259.3                | 0.00                    | 0.00                   | 0.00                  |
| 21,900.0                                               | 90.00           | 179.65      | 12,650.0              | -10,359.0    | 85.6         | 10,359.3                | 0.00                    | 0.00                   | 0.00                  |
| 22,000.0                                               | 90.00           | 179.65      | 12,650.0              | -10,459.0    | 86.2         | 10,459.3                | 0.00                    | 0.00                   | 0.00                  |
| 22,100.0                                               | 90.00           | 179.65      | 12,650.0              | -10,559.0    | 86.8         | 10,559.3                | 0.00                    | 0.00                   | 0.00                  |
| 22,200.0                                               | 90.00           | 179.65      | 12,650.0              | -10,659.0    | 87.5         | 10,659.3                | 0.00                    | 0.00                   | 0.00                  |
| 22,300.0                                               | 90.00           | 179.65      | 12,650.0              | -10,759.0    | 88.1         | 10,759.3                | 0.00                    | 0.00                   | 0.00                  |
| 22,400.0                                               | 90.00           | 179.65      | 12,650.0              | -10,859.0    | 88.7         | 10,859.3                | 0.00                    | 0.00                   | 0.00                  |
| 22,500.0                                               | 90.00           | 179.65      | 12,650.0              | -10,959.0    | 89.3         | 10,959.3                | 0.00                    | 0.00                   | 0.00                  |
| 22,600.0                                               | 90.00           | 179.65      | 12,650.0              | -11,059.0    | 89.9         | 11,059.3                | 0.00                    | 0.00                   | 0.00                  |
| 22,700.0                                               | 90.00           | 179.65      | 12,650.0              | -11,159.0    | 90.5         | 11,159.3                | 0.00                    | 0.00                   | 0.00                  |
| 22,800.0                                               | 90.00           | 179.65      | 12,650.0              | -11,259.0    | 91.2         | 11,259.3                | 0.00                    | 0.00                   | 0.00                  |
| 22,884.1                                               | 90.00           | 179.65      | 12,650.0              | -11,343.1    | 91.7         | 11,343.4                | 0.00                    | 0.00                   | 0.00                  |
| <b>TD at 22884.1 - BHL - Blue Chip 14 Fed Com 704H</b> |                 |             |                       |              |              |                         |                         |                        |                       |

## Planning Report

|                  |                            |                                     |                                 |
|------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Database:</b> | EDM 5000.14 Single User Db | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Company:</b>  | Matador Production Company | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Project:</b>  | Ranger/Arrowhead           | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site:</b>     | Blue Chip                  | <b>North Reference:</b>             | Grid                            |
| <b>Well:</b>     | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Wellbore:</b> | Wellbore #1                |                                     |                                 |
| <b>Design:</b>   | BLM Plan #1                |                                     |                                 |

| Design Targets                                                |           |          |          |           |        |            |            |                  |                   |
|---------------------------------------------------------------|-----------|----------|----------|-----------|--------|------------|------------|------------------|-------------------|
| Target Name                                                   | Dip Angle | Dip Dir. | TVD      | +N/-S     | +E/-W  | Northing   | Easting    | Latitude         | Longitude         |
| - hit/miss target                                             | (°)       | (°)      | (usft)   | (usft)    | (usft) | (usft)     | (usft)     |                  |                   |
| - Shape                                                       |           |          |          |           |        |            |            |                  |                   |
| KOP - Blue Chip 14 F<br>- plan hits target center<br>- Point  | 0.00      | 0.00     | 12,077.0 | -940.1    | 78.7   | 541,164.00 | 712,963.00 | 32° 29' 9.153 N  | 103° 38' 33.664 W |
| FPP - Blue Chip 14 F<br>- plan hits target center<br>- Point  | 0.00      | 0.01     | 12,311.2 | -990.0    | 75.2   | 541,114.08 | 712,959.55 | 32° 29' 8.659 N  | 103° 38' 33.708 W |
| BPP1 - Blue Chip 14 F<br>- plan hits target center<br>- Point | 0.00      | 0.00     | 12,650.0 | -3,529.0  | 43.5   | 538,575.08 | 712,927.88 | 32° 28' 43.537 N | 103° 38' 34.270 W |
| BPP2 - Blue Chip 14 F<br>- plan hits target center<br>- Point | 0.00      | 0.00     | 12,650.0 | -4,847.0  | 51.7   | 537,257.08 | 712,935.99 | 32° 28' 30.495 N | 103° 38' 34.275 W |
| BPP3 - Blue Chip 14 F<br>- plan hits target center<br>- Point | 0.00      | 0.00     | 12,650.0 | -6,164.0  | 59.8   | 535,940.08 | 712,944.10 | 32° 28' 17.462 N | 103° 38' 34.280 W |
| BPP4 - Blue Chip 14 F<br>- plan hits target center<br>- Point | 0.00      | 0.00     | 12,650.0 | -8,808.0  | 76.1   | 533,296.08 | 712,960.38 | 32° 27' 51.298 N | 103° 38' 34.289 W |
| BHL - Blue Chip 14 F<br>- plan hits target center<br>- Point  | 0.00      | 0.00     | 12,650.0 | -11,343.1 | 91.7   | 530,761.00 | 712,976.00 | 32° 27' 26.212 N | 103° 38' 34.298 W |

| Formations            |                       |                     |           |         |                   |  |
|-----------------------|-----------------------|---------------------|-----------|---------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name                | Lithology | Dip (°) | Dip Direction (°) |  |
| 1,586.3               | 1,586.3               | Rustler             |           |         |                   |  |
| 2,021.1               | 2,021.1               | Salado              |           |         |                   |  |
| 3,285.7               | 3,285.7               | G30_Base Salt/Yates |           |         |                   |  |
| 3,712.4               | 3,712.4               | Capitan Top         |           |         |                   |  |
| 5,065.5               | 5,063.9               | Bell Cyn.           |           |         |                   |  |
| 5,592.5               | 5,590.9               | Cherry Cyn.         |           |         |                   |  |
| 5,977.1               | 5,975.3               | Brushy Cyn.         |           |         |                   |  |
| 6,908.3               | 6,895.8               | BSDL                |           |         |                   |  |
| 8,929.6               | 8,890.8               | U. Avalon Shale     |           |         |                   |  |
| 9,233.1               | 9,190.4               | Avalon Carb         |           |         |                   |  |
| 9,464.1               | 9,418.4               | L. Avalon Shale     |           |         |                   |  |
| 9,696.5               | 9,647.7               | FBSC                |           |         |                   |  |
| 9,907.5               | 9,856.0               | FBSC                |           |         |                   |  |
| 10,184.9              | 10,129.8              | SBSC                |           |         |                   |  |
| 10,484.2              | 10,425.2              | SBSG                |           |         |                   |  |
| 11,026.5              | 10,960.5              | TBSC                |           |         |                   |  |
| 11,469.8              | 11,397.9              | TBSG                |           |         |                   |  |
| 11,726.8              | 11,652.3              | WFMP A              |           |         |                   |  |
| 11,826.9              | 11,751.9              | WFMP B              |           |         |                   |  |
| 12,623.1              | 12,496.5              | WFMP D              |           |         |                   |  |

## Planning Report

|                  |                            |                                     |                                 |
|------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Database:</b> | EDM 5000.14 Single User Db | <b>Local Co-ordinate Reference:</b> | Well Blue Chip 14 Fed Com #704H |
| <b>Company:</b>  | Matador Production Company | <b>TVD Reference:</b>               | KB @ 3887.5usft                 |
| <b>Project:</b>  | Ranger/Arrowhead           | <b>MD Reference:</b>                | KB @ 3887.5usft                 |
| <b>Site:</b>     | Blue Chip                  | <b>North Reference:</b>             | Grid                            |
| <b>Well:</b>     | Blue Chip 14 Fed Com #704H | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Wellbore:</b> | Wellbore #1                |                                     |                                 |
| <b>Design:</b>   | BLM Plan #1                |                                     |                                 |

| Plan Annotations      |                       |                   |              |                                 |
|-----------------------|-----------------------|-------------------|--------------|---------------------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              | Comment                         |
|                       |                       | +N/-S (usft)      | +E/-W (usft) |                                 |
| 3,800.0               | 3,800.0               | 0.0               | 0.0          | Start Build 2.00                |
| 4,000.0               | 3,999.8               | 0.0               | 7.0          | Start 500.0 hold at 4000.0 MD   |
| 4,500.0               | 4,498.6               | 0.0               | 41.9         | Start Drop -1.50                |
| 4,766.7               | 4,765.1               | 0.0               | 51.2         | Start 1000.0 hold at 4766.7 MD  |
| 5,766.7               | 5,765.1               | 0.0               | 51.2         | Start Build 2.00                |
| 6,229.4               | 6,225.8               | -37.3             | 52.3         | Start 5305.9 hold at 6229.4 MD  |
| 11,535.3              | 11,462.6              | -890.4            | 77.2         | Start Drop -1.50                |
| 12,152.4              | 12,077.0              | -940.1            | 78.7         | Start Build 10.00               |
| 13,052.4              | 12,650.0              | -1,511.7          | 39.2         | Start DLS 2.00 TFO -90.00       |
| 13,267.5              | 12,650.0              | -1,726.6          | 32.4         | Start 9616.6 hold at 13267.5 MD |
| 22,884.1              | 12,650.0              | -11,343.1         | 91.7         | TD at 22884.1                   |

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/oecd/contact-us>

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 575053

**CONDITIONS**

|                                                                                   |                                                       |
|-----------------------------------------------------------------------------------|-------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                      |
|                                                                                   | Action Number:<br>575053                              |
|                                                                                   | Action Type:<br>[C-103A] NOI Change of Plans (C-103A) |

**CONDITIONS**

| Created By    | Condition                                                                                                                                                                                                                       | Condition Date |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| matthew.gomez | No additives containing PFAS chemicals will be added to the drilling fluids or completion fluids used during drilling, completions, or recompletions operations.                                                                | 4/22/2026      |
| matthew.gomez | If cement does not circulate to surface on any string, a Cement Bond Log (CBL) is required for that string of casing. If strata isolation is not achieved, remediation will be required before further operations may commence. | 4/22/2026      |
| matthew.gomez | All conducted logs must be submitted to the OCD.                                                                                                                                                                                | 4/22/2026      |
| matthew.gomez | Cement must be in place for at least eight hours AND achieve a minimum compressive strength of 500 PSI before performing any further operations on the well.                                                                    | 4/22/2026      |
| matthew.gomez | All previous COA's still apply.                                                                                                                                                                                                 | 4/22/2026      |