

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018**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.  
NMNM138865

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

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

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.  
BOROS FEDERAL 108H

2. Name of Operator

Contact: NICKY FITZGERALD

MATADOR PRODUCTION COMPANY E-Mail: nicky.fitzgerald@matadorresources.com

9. API Well No.  
30-015-46863-00-X1

3a. Address

ONE LINCOLN CENTER 5400 LBJ FREEWAY SUITE 1500  
DALLAS, TX 75240

3b. Phone No. (include area code)

1500 972-371-5448

10. Field and Pool or Exploratory Area  
JENNINGS-BONE SPRING, WEST

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 15 T26S R31E NENE 430FNL 710FEL  
32.048962 N Lat, 103.759712 W Lon

11. County or Parish, State

EDDY COUNTY, NM

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

| TYPE OF SUBMISSION                                   | TYPE OF ACTION                                |                                               |                                                    |                                           |
|------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|----------------------------------------------------|-------------------------------------------|
| <input checked="" 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 checked="" type="checkbox"/> Other |
|                                                      | <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon     | <input type="checkbox"/> Temporarily Abandon       | Change to Original A                      |
|                                                      | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back            | <input type="checkbox"/> Water Disposal            | PD                                        |

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 recompleat 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 performed 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 recompleat 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 determined that the site is ready for final inspection.

BLM Bond No. NMB001079  
Surety Bond No. RLB0015172

Matador respectfully requests the option to amend the casing, cementing and mud program.

Please find supporting documentation attached and contact Blake Hermes at 972-371-5485 or BHermes@matadorresources.com for any questions.

Accepted - KMS NMOCD

|                                                                                        |                          |
|----------------------------------------------------------------------------------------|--------------------------|
| 14. I hereby certify that the foregoing is true and correct.                           |                          |
| <b>Electronic Submission #526547 verified by the BLM Well Information System</b>       |                          |
| <b>For MATADOR PRODUCTION COMPANY, sent to the Carlsbad</b>                            |                          |
| <b>Committed to AFMSS for processing by PRISCILLA PEREZ on 08/20/2020 (20PP3804SE)</b> |                          |
| Name (Printed/Typed) NICKY FITZGERALD                                                  | Title REGULATORY ANALYST |
| Signature (Electronic Submission)                                                      | Date 08/20/2020          |

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

|                                                                                                                                                                                                                                                           |                                 |                        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------|
| Approved By <u>RACHEL IJABIKEN</u>                                                                                                                                                                                                                        | Title <u>PETROLEUM ENGINEER</u> | Date <u>12/02/2020</u> |
| 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 <u>Carlsbad</u> |

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)

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

## Revisions to Operator-Submitted EC Data for Sundry Notice #526547

|                | Operator Submitted                                                                                              | BLM Revised (AFMSS)                                                                                                  |
|----------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Sundry Type:   | APDCH<br>NOI                                                                                                    | APDCH<br>NOI                                                                                                         |
| Lease:         | NMNM138865                                                                                                      | NMNM138865                                                                                                           |
| Agreement:     |                                                                                                                 |                                                                                                                      |
| Operator:      | MATADOR PRODUCTION COMPANY<br>5400 LBJ FREEWAY, SUITE 1500<br>DALLAS, TX 75240<br>Ph: 972-371-5448              | MATADOR PRODUCTION COMPANY<br>ONE LINCOLN CENTER 5400 LBJ FREEWAY SUITE 1500<br>DALLAS, TX 75240<br>Ph: 972.371.5200 |
| Admin Contact: | NICKY FITZGERALD<br>REGULATORY ANALYST<br>E-Mail: nicky.fitzgerald@matadorresources.com<br><br>Ph: 972-371-5448 | NICKY FITZGERALD<br>REGULATORY ANALYST<br>E-Mail: nicky.fitzgerald@matadorresources.com<br><br>Ph: 972-371-5448      |
| Tech Contact:  | NICKY FITZGERALD<br>REGULATORY ANALYST<br>E-Mail: nicky.fitzgerald@matadorresources.com<br><br>Ph: 972-371-5448 | NICKY FITZGERALD<br>REGULATORY ANALYST<br>E-Mail: nicky.fitzgerald@matadorresources.com<br><br>Ph: 972-371-5448      |
| Location:      |                                                                                                                 |                                                                                                                      |
| State:         | NM                                                                                                              | NM                                                                                                                   |
| County:        | EDDY                                                                                                            | EDDY                                                                                                                 |
| Field/Pool:    | JENNINGS;BONE SPRING,WEST                                                                                       | JENNINGS-BONE SPRING, WEST                                                                                           |
| Well/Facility: | BOROS FEDERAL 108H<br>Sec 15 T26S R31E 430FNL 710FEL                                                            | BOROS FEDERAL 108H<br>Sec 15 T26S R31E NENE 430FNL 710FEL<br>32.048962 N Lat, 103.759712 W Lon                       |

# PECOS DISTRICT

## DRILLING CONDITIONS OF APPROVAL

|                              |                                    |
|------------------------------|------------------------------------|
| <b>OPERATOR'S NAME:</b>      | <b>MATADOR PRODUCTION COMPANY</b>  |
| <b>LEASE NO.:</b>            | <b>NMNM138865</b>                  |
| <b>WELL NAME &amp; NO.:</b>  | <b>BOROS FEDERAL 108H</b>          |
| <b>SURFACE HOLE FOOTAGE:</b> | 430'/N & 710'/E                    |
| <b>BOTTOM HOLE FOOTAGE:</b>  | 100'/S & 348'/E                    |
| <b>LOCATION:</b>             | Section 15, T.26 S., R.31 E., NMPM |
| <b>COUNTY:</b>               | Eddy County, New Mexico            |

COA

|                      |                                         |                                                    |                                     |
|----------------------|-----------------------------------------|----------------------------------------------------|-------------------------------------|
| H2S                  | <input type="radio"/> Yes               | <input checked="" type="radio"/> No                |                                     |
| Potash               | <input checked="" type="radio"/> None   | <input type="radio"/> Secretary                    | <input type="radio"/> R-111-P       |
| Cave/Karst Potential | <input type="radio"/> Low               | <input checked="" type="radio"/> Medium            | <input type="radio"/> High          |
| Cave/Karst Potential | <input type="radio"/> Critical          |                                                    |                                     |
| Variance             | <input type="radio"/> None              | <input checked="" type="radio"/> Flex Hose         | <input type="radio"/> Other         |
| Wellhead             | <input type="radio"/> Conventional      | <input checked="" type="radio"/> Multibowl         | <input type="radio"/> Both          |
| Other                | <input type="checkbox"/> 4 String Area  | <input type="checkbox"/> Capitan Reef              | <input type="checkbox"/> WIPP       |
| Other                | <input type="checkbox"/> Fluid Filled   | <input checked="" type="checkbox"/> Cement Squeeze | <input type="checkbox"/> Pilot Hole |
| Special Requirements | <input type="checkbox"/> Water Disposal | <input checked="" type="checkbox"/> COM            | <input type="checkbox"/> Unit       |

**All Previous COAs Still Apply.**

### A. HYDROGEN SULFIDE

Hydrogen Sulfide (H2S) monitors shall be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the Hydrogen Sulfide area shall meet Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.

### B. CASING

- The 7-5/8 inch Intermediate casing shall be set at approximately **8179 feet**. The minimum required fill of cement behind the 7-5/8 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 cave/karst or potash.**

- **Excess Cement calculates to less than 25% ; More cement may be needed.**

### **Option 2:**

Operator has proposed a DV tool, the depth may be adjusted as long as the cement is changed proportionally. 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, contact the appropriate BLM office.  
**Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**
- Operator will perform bradenhead squeeze. Cement to surface. If cement does not circulate see B.1.a, c-d above.
- **Operator has proposed to pump down 9-5/8" X 7-5/8" annulus. Operator must run a CBL from TD of the 7-5/8" casing to surface. Submit results to BLM.**
- ❖ In Medium Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.
2. The minimum required fill of cement behind the 5-1/2 inch production casing is:

### **Option 1 (Single Stage):**

- Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.
- **Excess cement calculates to less than 25% ; More cement may be needed.**

## C. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).

### 2. BOP Requirements

#### Option 1

- a. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **3000 (3M)** psi.
- b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the intermediate casing shoe shall be **3000 (3M)** psi.

#### Option 2

Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **10,000 (10M)** psi. **Variance is approved to use a 5000 (5M) Annular which shall be tested to 5000 (5M) psi.**

- a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
- b. 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.
- c. Manufacturer representative shall install the test plug for the initial BOP test.
- d. 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.
- e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

#### **D. SPECIAL REQUIREMENT (S)**

##### **Communitization Agreement**

- The operator will submit a Communitization Agreement to the Santa Fe Office, 301 Dinosaur Trail Santa Fe, New Mexico 87508, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

**RI12022020**

# **Matador Production Company**

**Rustler Breaks**

**Boros**

**Boros Federal #108H**

**Wellbore #1**

**BLM Plan #2**

## **Anticollision Report**

**12 August, 2020**

# Anticollision Report

|                           |                            |                                     |                          |
|---------------------------|----------------------------|-------------------------------------|--------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

|                                     |                                                                     |                       |                     |
|-------------------------------------|---------------------------------------------------------------------|-----------------------|---------------------|
| <b>Reference</b>                    | BLM Plan #2                                                         |                       |                     |
| <b>Filter type:</b>                 | NO GLOBAL FILTER: Using user defined selection & filtering criteria |                       |                     |
| <b>Interpolation Method:</b>        | Stations                                                            | <b>Error Model:</b>   | ISCWSA              |
| <b>Depth Range:</b>                 | Unlimited                                                           | <b>Scan Method:</b>   | Closest Approach 3D |
| <b>Results Limited by:</b>          | Maximum center-center distance of 10,000.0 us                       | <b>Error Surface:</b> | Pedal Curve         |
| <b>Warning Levels Evaluated at:</b> | 2.00 Sigma                                                          | <b>Casing Method:</b> | Not applied         |

|                            |                       |                           |                  |                     |
|----------------------------|-----------------------|---------------------------|------------------|---------------------|
| <b>Survey Tool Program</b> | <b>Date</b> 8/12/2020 |                           |                  |                     |
| <b>From (usft)</b>         | <b>To (usft)</b>      | <b>Survey (Wellbore)</b>  | <b>Tool Name</b> | <b>Description</b>  |
| 0.0                        | 19,129.9              | BLM Plan #2 (Wellbore #1) | MWD              | OWSG MWD - Standard |

| <b>Summary</b>                                  |                                          |                                       |                                          |                                           |                      |                 |
|-------------------------------------------------|------------------------------------------|---------------------------------------|------------------------------------------|-------------------------------------------|----------------------|-----------------|
| 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         |
| Boros                                           |                                          |                                       |                                          |                                           |                      |                 |
| Boros Federal #024H - Wellbore #1 - BLM Plan #2 | 5,052.3                                  | 5,048.6                               | 54.6                                     | 19.0                                      | 1.535                | CC              |
| Boros Federal #024H - Wellbore #1 - BLM Plan #2 | 5,100.0                                  | 5,104.0                               | 54.9                                     | 19.0                                      | 1.528                | ES, SF          |
| Boros Federal #104H - Wellbore #1 - Actual      | 3,254.6                                  | 3,253.2                               | 104.7                                    | 82.3                                      | 4.687                | CC              |
| Boros Federal #104H - Wellbore #1 - Actual      | 3,400.0                                  | 3,398.4                               | 105.1                                    | 81.7                                      | 4.498                | ES              |
| Boros Federal #104H - Wellbore #1 - Actual      | 19,129.9                                 | 18,738.0                              | 667.4                                    | 359.0                                     | 2.164                | SF              |
| Boros Federal #114H - Wellbore #1 - BLM Plan #2 | 500.0                                    | 500.0                                 | 31.3                                     | 28.2                                      | 10.026               | CC, ES          |
| Boros Federal #114H - Wellbore #1 - BLM Plan #2 | 19,129.9                                 | 19,658.3                              | 828.1                                    | 541.5                                     | 2.889                | SF              |
| Boros Federal #124H - Wellbore #1 - Actual      | 0.0                                      | 0.0                                   | 43.4                                     |                                           |                      |                 |
| Boros Federal #124H - Wellbore #1 - Actual      | 8,350.0                                  | 8,332.4                               | 184.5                                    | 125.2                                     | 3.109                | SF              |
| Boros Federal #134H - Wellbore #1 - BLM Plan #2 | 1,200.0                                  | 1,200.0                               | 30.0                                     | 21.8                                      | 3.680                | CC              |
| Boros Federal #134H - Wellbore #1 - BLM Plan #2 | 1,300.0                                  | 1,299.8                               | 30.2                                     | 21.4                                      | 3.414                | ES              |
| Boros Federal #134H - Wellbore #1 - BLM Plan #2 | 6,700.0                                  | 6,701.7                               | 75.4                                     | 27.0                                      | 1.557                | SF              |
| Boros Federal #204H - Wellbore #1 - Actual      | 203.0                                    | 200.0                                 | 140.1                                    | 139.3                                     | 175.175              | CC              |
| Boros Federal #204H - Wellbore #1 - Actual      | 700.0                                    | 695.6                                 | 141.9                                    | 137.5                                     | 32.337               | ES              |
| Boros Federal #204H - Wellbore #1 - Actual      | 4,300.0                                  | 4,290.6                               | 267.8                                    | 237.8                                     | 8.914                | SF              |
| Boros Federal #218H - Wellbore #1 - Actual      | 7,352.9                                  | 7,345.9                               | 56.2                                     | 2.7                                       | 1.050                | Level 2, CC     |
| Boros Federal #218H - Wellbore #1 - Actual      | 7,500.0                                  | 7,493.0                               | 56.7                                     | 2.0                                       | 1.037                | Level 2, ES, SF |
| Boros Federal #224H - Wellbore #1 - Actual      | 0.0                                      | 0.0                                   | 143.6                                    |                                           |                      |                 |
| Boros Federal #224H - Wellbore #1 - Actual      | 700.0                                    | 697.2                                 | 146.5                                    | 142.2                                     | 34.145               | ES              |
| Boros Federal #224H - Wellbore #1 - Actual      | 8,400.0                                  | 8,383.1                               | 466.1                                    | 406.6                                     | 7.836                | SF              |
| Boros Federal #228H - Wellbore #1 - BLM Plan #2 | 1,500.0                                  | 1,500.0                               | 59.9                                     | 49.6                                      | 5.822                | CC              |
| Boros Federal #228H - Wellbore #1 - BLM Plan #2 | 1,600.0                                  | 1,599.3                               | 60.5                                     | 49.5                                      | 5.500                | ES              |
| Boros Federal #228H - Wellbore #1 - BLM Plan #2 | 8,450.0                                  | 8,451.2                               | 149.1                                    | 88.6                                      | 2.463                | SF              |
| Boros Federal #244H - Wellbore #1 - BLM Plan #2 | 7,200.0                                  | 7,201.8                               | 53.5                                     | 1.2                                       | 1.022                | Level 2, CC     |
| Boros Federal #244H - Wellbore #1 - BLM Plan #2 | 7,200.0                                  | 7,201.8                               | 53.5                                     | 1.2                                       | 1.022                | Level 2, ES, SF |

|                                                         |                                      |                                      |                                      |                             |                          |                                      |                                                    |                         |                                       |                                        |                                          |
|---------------------------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|-----------------------------|--------------------------|--------------------------------------|----------------------------------------------------|-------------------------|---------------------------------------|----------------------------------------|------------------------------------------|
| <b>Offset Design</b>                                    |                                      |                                      |                                      |                             |                          |                                      |                                                    |                         |                                       |                                        |                                          |
| Boros - Boros Federal #024H - Wellbore #1 - BLM Plan #2 |                                      |                                      |                                      |                             |                          |                                      |                                                    |                         |                                       |                                        |                                          |
| Survey Program: 0-MWD                                   |                                      |                                      |                                      |                             |                          |                                      |                                                    |                         |                                       |                                        |                                          |
| <b>Reference</b>                                        |                                      | <b>Offset</b>                        |                                      | <b>Semi Major Axis</b>      |                          | <b>Distance</b>                      |                                                    |                         |                                       |                                        |                                          |
| <b>Measured<br/>Depth<br/>(usft)</b>                    | <b>Vertical<br/>Depth<br/>(usft)</b> | <b>Measured<br/>Depth<br/>(usft)</b> | <b>Vertical<br/>Depth<br/>(usft)</b> | <b>Reference<br/>(usft)</b> | <b>Offset<br/>(usft)</b> | <b>Highside<br/>Toolface<br/>(°)</b> | <b>Offset Wellbore Centre<br/>+N/-S<br/>(usft)</b> | <b>+E/-W<br/>(usft)</b> | <b>Between<br/>Centres<br/>(usft)</b> | <b>Between<br/>Ellipses<br/>(usft)</b> | <b>Minimum<br/>Separation<br/>(usft)</b> |
| 0.0                                                     | 0.0                                  | 0.3                                  | 0.3                                  | 0.0                         | 0.0                      | 88.95                                | 2.2                                                | 119.9                   | 120.0                                 |                                        |                                          |
| 100.0                                                   | 100.0                                | 100.3                                | 100.3                                | 0.1                         | 0.1                      | 88.95                                | 2.2                                                | 119.9                   | 120.0                                 | 119.7                                  | 0.26                                     |
| 200.0                                                   | 200.0                                | 200.3                                | 200.3                                | 0.5                         | 0.5                      | 88.95                                | 2.2                                                | 119.9                   | 120.0                                 | 119.0                                  | 0.97                                     |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design Boros - Boros Federal #024H - 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  |          |
| 300.0                                                                 | 300.0                 | 300.3                 | 300.3                 | 0.8              | 0.8           | 88.95                 | 2.2                                 | 119.9        | 120.0                  | 118.3                   | 1.69                      | 70.949             |          |
| 400.0                                                                 | 400.0                 | 400.3                 | 400.3                 | 1.2              | 1.2           | 88.95                 | 2.2                                 | 119.9        | 120.0                  | 117.5                   | 2.41                      | 49.823             |          |
| 500.0                                                                 | 500.0                 | 500.3                 | 500.3                 | 1.6              | 1.6           | 88.95                 | 2.2                                 | 119.9        | 120.0                  | 116.8                   | 3.12                      | 38.391             |          |
| 600.0                                                                 | 600.0                 | 600.3                 | 600.3                 | 1.9              | 1.9           | 88.95                 | 2.2                                 | 119.9        | 120.0                  | 116.1                   | 3.84                      | 31.226             |          |
| 700.0                                                                 | 700.0                 | 700.3                 | 700.3                 | 2.3              | 2.3           | 88.95                 | 2.2                                 | 119.9        | 120.0                  | 115.4                   | 4.56                      | 26.315             |          |
| 800.0                                                                 | 800.0                 | 800.3                 | 800.3                 | 2.6              | 2.6           | 88.95                 | 2.2                                 | 119.9        | 120.0                  | 114.7                   | 5.28                      | 22.739             |          |
| 900.0                                                                 | 900.0                 | 900.3                 | 900.3                 | 3.0              | 3.0           | 88.95                 | 2.2                                 | 119.9        | 120.0                  | 114.0                   | 5.99                      | 20.018             |          |
| 1,000.0                                                               | 1,000.0               | 1,000.3               | 1,000.3               | 3.4              | 3.4           | 88.95                 | 2.2                                 | 119.9        | 120.0                  | 113.2                   | 6.71                      | 17.879             |          |
| 1,100.0                                                               | 1,100.0               | 1,100.3               | 1,100.3               | 3.7              | 3.7           | 88.95                 | 2.2                                 | 119.9        | 120.0                  | 112.5                   | 7.43                      | 16.153             |          |
| 1,200.0                                                               | 1,200.0               | 1,200.3               | 1,200.3               | 4.1              | 4.1           | 88.95                 | 2.2                                 | 119.9        | 120.0                  | 111.8                   | 8.14                      | 14.731             |          |
| 1,300.0                                                               | 1,300.0               | 1,300.3               | 1,300.3               | 4.4              | 4.4           | 88.95                 | 2.2                                 | 119.9        | 120.0                  | 111.1                   | 8.86                      | 13.539             |          |
| 1,400.0                                                               | 1,400.0               | 1,400.3               | 1,400.3               | 4.8              | 4.8           | 88.95                 | 2.2                                 | 119.9        | 120.0                  | 110.4                   | 9.58                      | 12.525             |          |
| 1,500.0                                                               | 1,500.0               | 1,500.3               | 1,500.3               | 5.1              | 5.1           | 88.95                 | 2.2                                 | 119.9        | 120.0                  | 109.7                   | 10.29                     | 11.653             |          |
| 1,600.0                                                               | 1,600.0               | 1,600.3               | 1,600.3               | 5.5              | 5.5           | 88.95                 | 2.2                                 | 119.9        | 120.0                  | 108.9                   | 11.01                     | 10.894             |          |
| 1,700.0                                                               | 1,700.0               | 1,700.3               | 1,700.3               | 5.9              | 5.9           | 88.95                 | 2.2                                 | 119.9        | 120.0                  | 108.2                   | 11.73                     | 10.228             |          |
| 1,800.0                                                               | 1,800.0               | 1,800.3               | 1,800.3               | 6.2              | 6.2           | 88.95                 | 2.2                                 | 119.9        | 120.0                  | 107.5                   | 12.44                     | 9.639              |          |
| 1,900.0                                                               | 1,900.0               | 1,900.3               | 1,900.3               | 6.6              | 6.6           | 88.95                 | 2.2                                 | 119.9        | 120.0                  | 106.8                   | 13.16                     | 9.114              |          |
| 2,000.0                                                               | 2,000.0               | 2,000.3               | 2,000.3               | 6.9              | 6.9           | 88.95                 | 2.2                                 | 119.9        | 120.0                  | 106.1                   | 13.88                     | 8.643              |          |
| 2,100.0                                                               | 2,100.0               | 2,100.3               | 2,100.3               | 7.3              | 7.3           | 88.95                 | 2.2                                 | 119.9        | 120.0                  | 105.4                   | 14.60                     | 8.219              |          |
| 2,200.0                                                               | 2,200.0               | 2,200.3               | 2,200.3               | 7.7              | 7.7           | 88.95                 | 2.2                                 | 119.9        | 120.0                  | 104.6                   | 15.31                     | 7.834              |          |
| 2,300.0                                                               | 2,300.0               | 2,300.3               | 2,300.3               | 8.0              | 8.0           | 88.95                 | 2.2                                 | 119.9        | 120.0                  | 103.9                   | 16.03                     | 7.483              |          |
| 2,400.0                                                               | 2,400.0               | 2,400.3               | 2,400.3               | 8.4              | 8.4           | 88.95                 | 2.2                                 | 119.9        | 120.0                  | 103.2                   | 16.75                     | 7.163              |          |
| 2,500.0                                                               | 2,500.0               | 2,500.3               | 2,500.3               | 8.7              | 8.7           | 88.95                 | 2.2                                 | 119.9        | 120.0                  | 102.5                   | 17.46                     | 6.869              |          |
| 2,600.0                                                               | 2,600.0               | 2,600.3               | 2,600.3               | 9.1              | 9.1           | 88.95                 | 2.2                                 | 119.9        | 120.0                  | 101.8                   | 18.18                     | 6.598              |          |
| 2,700.0                                                               | 2,700.0               | 2,700.3               | 2,700.3               | 9.4              | 9.4           | 88.95                 | 2.2                                 | 119.9        | 120.0                  | 101.1                   | 18.90                     | 6.348              |          |
| 2,800.0                                                               | 2,800.0               | 2,800.3               | 2,800.3               | 9.8              | 9.8           | 88.95                 | 2.2                                 | 119.9        | 120.0                  | 100.3                   | 19.61                     | 6.116              |          |
| 2,900.0                                                               | 2,900.0               | 2,900.3               | 2,900.3               | 10.2             | 10.2          | 88.95                 | 2.2                                 | 119.9        | 120.0                  | 99.6                    | 20.33                     | 5.900              |          |
| 3,000.0                                                               | 3,000.0               | 3,000.3               | 3,000.3               | 10.5             | 10.5          | 88.95                 | 2.2                                 | 119.9        | 120.0                  | 98.9                    | 21.05                     | 5.699              |          |
| 3,100.0                                                               | 3,100.0               | 3,100.3               | 3,100.3               | 10.9             | 10.9          | 88.95                 | 2.2                                 | 119.9        | 120.0                  | 98.2                    | 21.77                     | 5.511              |          |
| 3,200.0                                                               | 3,200.0               | 3,200.3               | 3,200.3               | 11.2             | 11.2          | 88.95                 | 2.2                                 | 119.9        | 120.0                  | 97.5                    | 22.48                     | 5.336              |          |
| 3,300.0                                                               | 3,300.0               | 3,300.3               | 3,300.3               | 11.6             | 11.6          | 88.95                 | 2.2                                 | 119.9        | 120.0                  | 96.8                    | 23.20                     | 5.171              |          |
| 3,400.0                                                               | 3,400.0               | 3,400.3               | 3,400.3               | 12.0             | 12.0          | 88.95                 | 2.2                                 | 119.9        | 120.0                  | 96.0                    | 23.92                     | 5.016              |          |
| 3,500.0                                                               | 3,500.0               | 3,500.3               | 3,500.3               | 12.3             | 12.3          | 88.95                 | 2.2                                 | 119.9        | 120.0                  | 95.3                    | 24.63                     | 4.870              |          |
| 3,600.0                                                               | 3,600.0               | 3,600.9               | 3,600.9               | 12.7             | 12.7          | 88.54                 | 3.0                                 | 119.7        | 119.7                  | 94.3                    | 25.35                     | 4.722              |          |
| 3,700.0                                                               | 3,700.0               | 3,701.5               | 3,701.4               | 13.0             | 13.0          | 87.32                 | 5.6                                 | 118.8        | 119.0                  | 92.9                    | 26.07                     | 4.564              |          |
| 3,800.0                                                               | 3,800.0               | 3,801.9               | 3,801.7               | 13.4             | 13.4          | 85.25                 | 9.8                                 | 117.5        | 117.9                  | 91.1                    | 26.78                     | 4.401              |          |
| 3,900.0                                                               | 3,900.0               | 3,902.2               | 3,901.8               | 13.7             | 13.8          | 50.40                 | 15.6                                | 115.5        | 116.0                  | 88.5                    | 27.50                     | 4.220              |          |
| 4,000.0                                                               | 4,000.0               | 4,002.3               | 4,001.6               | 14.1             | 14.1          | 47.51                 | 23.1                                | 113.1        | 113.0                  | 84.8                    | 28.21                     | 4.006              |          |
| 4,100.0                                                               | 4,099.9               | 4,102.2               | 4,101.1               | 14.5             | 14.5          | 44.22                 | 32.2                                | 110.1        | 108.9                  | 80.0                    | 28.92                     | 3.766              |          |
| 4,200.0                                                               | 4,199.7               | 4,201.9               | 4,200.1               | 14.8             | 14.8          | 40.35                 | 43.0                                | 106.5        | 103.9                  | 74.2                    | 29.64                     | 3.504              |          |
| 4,300.0                                                               | 4,299.4               | 4,301.3               | 4,298.7               | 15.2             | 15.2          | 35.71                 | 55.3                                | 102.5        | 98.0                   | 67.7                    | 30.35                     | 3.230              |          |
| 4,400.0                                                               | 4,398.9               | 4,400.8               | 4,397.2               | 15.5             | 15.6          | 30.55                 | 68.5                                | 98.1         | 91.6                   | 60.5                    | 31.07                     | 2.948              |          |
| 4,500.0                                                               | 4,498.3               | 4,500.1               | 4,495.6               | 15.9             | 15.9          | 25.16                 | 81.6                                | 93.8         | 84.4                   | 52.6                    | 31.78                     | 2.656              |          |
| 4,600.0                                                               | 4,597.4               | 4,600.5               | 4,594.0               | 16.2             | 16.3          | 19.24                 | 94.8                                | 89.5         | 76.5                   | 44.0                    | 32.49                     | 2.354              |          |
| 4,700.0                                                               | 4,696.4               | 4,701.2               | 4,692.3               | 16.6             | 16.7          | 12.18                 | 107.9                               | 85.2         | 68.7                   | 35.5                    | 33.20                     | 2.070              |          |
| 4,800.0                                                               | 4,795.5               | 4,801.9               | 4,790.6               | 17.0             | 17.0          | 3.51                  | 121.0                               | 80.9         | 62.2                   | 28.3                    | 33.89                     | 1.836              |          |
| 4,900.0                                                               | 4,894.5               | 4,897.4               | 4,889.0               | 17.3             | 17.4          | -6.85                 | 134.1                               | 76.5         | 57.5                   | 22.9                    | 34.54                     | 1.664              |          |
| 5,000.0                                                               | 4,993.5               | 5,003.3               | 4,987.3               | 17.7             | 17.8          | -18.59                | 147.3                               | 72.2         | 54.9                   | 19.7                    | 35.23                     | 1.559              |          |
| 5,052.3                                                               | 5,045.3               | 5,048.6               | 5,038.7               | 17.9             | 18.0          | -25.01                | 154.1                               | 70.0         | 54.6                   | 19.0                    | 35.55                     | 1.535 CC           |          |
| 5,100.0                                                               | 5,092.5               | 5,104.0               | 5,085.6               | 18.1             | 18.2          | -30.88                | 160.4                               | 67.9         | 54.9                   | 19.0                    | 35.91                     | 1.528 ES, SF       |          |
| 5,200.0                                                               | 5,191.6               | 5,195.3               | 5,184.0               | 18.5             | 18.5          | -42.66                | 173.5                               | 63.6         | 57.3                   | 20.7                    | 36.58                     | 1.567              |          |
| 5,300.0                                                               | 5,290.6               | 5,305.4               | 5,282.3               | 18.8             | 19.0          | -53.10                | 186.7                               | 59.3         | 62.0                   | 24.6                    | 37.34                     | 1.659              |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design Boros - Boros Federal #024H - 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  |          |
| 5,400.0                                                               | 5,389.6               | 5,406.1               | 5,380.6               | 19.2             | 19.3          | -61.85                | 199.8                               | 54.9         | 68.4                   | 30.3                    | 38.10                     | 1.795              |          |
| 5,500.0                                                               | 5,488.6               | 5,506.9               | 5,478.9               | 19.6             | 19.7          | -68.98                | 212.9                               | 50.6         | 76.1                   | 37.2                    | 38.87                     | 1.958              |          |
| 5,600.0                                                               | 5,587.7               | 5,592.4               | 5,577.3               | 20.0             | 20.1          | -74.73                | 226.0                               | 46.3         | 84.8                   | 45.2                    | 39.60                     | 2.141              |          |
| 5,700.0                                                               | 5,686.7               | 5,708.3               | 5,675.6               | 20.4             | 20.5          | -79.38                | 239.2                               | 42.0         | 94.1                   | 53.7                    | 40.43                     | 2.328              |          |
| 5,800.0                                                               | 5,785.7               | 5,791.0               | 5,773.9               | 20.7             | 20.8          | -83.18                | 252.3                               | 37.7         | 104.0                  | 62.9                    | 41.15                     | 2.528              |          |
| 5,900.0                                                               | 5,884.8               | 5,909.7               | 5,872.3               | 21.1             | 21.3          | -86.31                | 265.4                               | 33.4         | 114.3                  | 72.3                    | 42.00                     | 2.721              |          |
| 6,000.0                                                               | 5,983.8               | 5,989.6               | 5,970.6               | 21.5             | 21.6          | -88.92                | 278.5                               | 29.0         | 124.8                  | 82.1                    | 42.70                     | 2.923              |          |
| 6,100.0                                                               | 6,082.8               | 6,088.9               | 6,068.9               | 21.9             | 22.0          | -91.12                | 291.7                               | 24.7         | 135.6                  | 92.1                    | 43.48                     | 3.118              |          |
| 6,200.0                                                               | 6,181.8               | 6,188.2               | 6,167.2               | 22.3             | 22.4          | -92.99                | 304.8                               | 20.4         | 146.5                  | 102.2                   | 44.26                     | 3.310              |          |
| 6,300.0                                                               | 6,280.9               | 6,287.5               | 6,265.6               | 22.7             | 22.8          | -94.61                | 317.9                               | 16.1         | 157.5                  | 112.5                   | 45.03                     | 3.498              |          |
| 6,400.0                                                               | 6,379.9               | 6,386.8               | 6,363.9               | 23.1             | 23.2          | -96.01                | 331.1                               | 11.8         | 168.7                  | 122.9                   | 45.81                     | 3.682              |          |
| 6,500.0                                                               | 6,478.9               | 6,486.1               | 6,462.2               | 23.5             | 23.6          | -97.23                | 344.2                               | 7.5          | 179.9                  | 133.3                   | 46.59                     | 3.862              |          |
| 6,600.0                                                               | 6,577.9               | 6,588.2               | 6,563.5               | 23.9             | 24.0          | -98.56                | 356.8                               | 3.3          | 190.6                  | 143.2                   | 47.42                     | 4.020              |          |
| 6,700.0                                                               | 6,677.0               | 6,691.0               | 6,665.7               | 24.2             | 24.4          | -100.34               | 366.9                               | 0.0          | 199.8                  | 151.5                   | 48.25                     | 4.140              |          |
| 6,800.0                                                               | 6,776.0               | 6,793.9               | 6,768.3               | 24.6             | 24.7          | -102.57               | 374.4                               | -2.5         | 207.4                  | 158.3                   | 49.06                     | 4.227              |          |
| 6,900.0                                                               | 6,875.0               | 6,896.6               | 6,870.8               | 25.0             | 25.1          | -105.23               | 379.3                               | -4.1         | 213.7                  | 163.9                   | 49.85                     | 4.287              |          |
| 7,000.0                                                               | 6,974.0               | 6,999.0               | 6,973.2               | 25.4             | 25.5          | -108.33               | 381.6                               | -4.8         | 219.1                  | 168.5                   | 50.62                     | 4.328              |          |
| 7,100.0                                                               | 7,073.1               | 7,100.9               | 7,073.4               | 25.8             | 25.8          | -111.68               | 381.8                               | -4.9         | 224.0                  | 172.6                   | 51.38                     | 4.360              |          |
| 7,192.6                                                               | 7,164.8               | 7,190.9               | 7,165.1               | 26.2             | 26.2          | -114.65               | 381.8                               | -4.9         | 229.1                  | 177.0                   | 52.05                     | 4.401              |          |
| 7,200.0                                                               | 7,172.1               | 7,201.8               | 7,172.4               | 26.2             | 26.2          | -114.89               | 381.8                               | -4.9         | 229.5                  | 177.4                   | 52.12                     | 4.404              |          |
| 7,300.0                                                               | 7,271.3               | 7,301.0               | 7,275.1               | 26.6             | 26.5          | -118.46               | 378.9                               | -4.7         | 234.7                  | 181.8                   | 52.81                     | 4.443              |          |
| 7,400.0                                                               | 7,370.8               | 7,401.3               | 7,373.6               | 27.0             | 26.8          | -125.01               | 360.3                               | -3.1         | 238.1                  | 184.7                   | 53.42                     | 4.457              |          |
| 7,500.0                                                               | 7,470.6               | 7,491.3               | 7,457.9               | 27.4             | 27.0          | -133.61               | 329.3                               | -0.4         | 244.2                  | 190.5                   | 53.79                     | 4.541              |          |
| 7,600.0                                                               | 7,570.5               | 7,569.5               | 7,526.5               | 27.7             | 27.1          | -142.74               | 292.0                               | 2.8          | 258.5                  | 205.1                   | 53.36                     | 4.844              |          |
| 7,700.0                                                               | 7,670.4               | 7,636.5               | 7,580.7               | 28.1             | 27.2          | -151.19               | 252.9                               | 6.1          | 284.4                  | 232.8                   | 51.62                     | 5.510              |          |
| 7,726.0                                                               | 7,696.4               | 7,652.2               | 7,592.7               | 28.2             | 27.2          | -120.94               | 242.8                               | 7.0          | 293.2                  | 242.3                   | 50.95                     | 5.755              |          |
| 7,800.0                                                               | 7,770.4               | 7,693.2               | 7,622.7               | 28.4             | 27.3          | -125.95               | 215.0                               | 9.4          | 323.4                  | 274.7                   | 48.68                     | 6.642              |          |
| 7,900.0                                                               | 7,870.4               | 7,740.6               | 7,654.9               | 28.8             | 27.3          | -131.53               | 180.2                               | 12.4         | 375.2                  | 330.0                   | 45.19                     | 8.303              |          |
| 8,000.0                                                               | 7,970.4               | 7,780.3               | 7,679.5               | 29.1             | 27.4          | -135.92               | 149.2                               | 15.0         | 437.5                  | 395.8                   | 41.74                     | 10.482             |          |
| 8,100.0                                                               | 8,070.4               | 7,813.7               | 7,698.5               | 29.5             | 27.4          | -139.37               | 121.8                               | 17.4         | 507.6                  | 469.0                   | 38.63                     | 13.142             |          |
| 8,200.0                                                               | 8,170.4               | 7,850.0               | 7,717.3               | 29.8             | 27.5          | -142.82               | 90.9                                | 20.0         | 583.7                  | 547.3                   | 36.37                     | 16.047             |          |
| 8,278.6                                                               | 8,249.0               | 7,861.4               | 7,722.8               | 30.1             | 27.5          | -143.84               | 81.0                                | 20.9         | 646.4                  | 612.3                   | 34.14                     | 18.933             |          |
| 8,300.0                                                               | 8,270.4               | 7,866.5               | 7,725.1               | 30.2             | 27.5          | 42.76                 | 76.5                                | 21.3         | 663.8                  | 630.1                   | 33.68                     | 19.706             |          |
| 8,350.0                                                               | 8,320.3               | 7,878.9               | 7,730.8               | 30.3             | 27.5          | 37.67                 | 65.5                                | 22.2         | 703.5                  | 670.9                   | 32.64                     | 21.555             |          |
| 8,400.0                                                               | 8,369.5               | 7,900.0               | 7,739.9               | 30.4             | 27.5          | 33.13                 | 46.5                                | 23.8         | 742.1                  | 710.1                   | 31.98                     | 23.206             |          |
| 8,450.0                                                               | 8,417.9               | 7,900.0               | 7,739.9               | 30.6             | 27.5          | 30.25                 | 46.5                                | 23.8         | 779.1                  | 748.7                   | 30.38                     | 25.643             |          |
| 8,500.0                                                               | 8,465.0               | 7,920.7               | 7,748.1               | 30.7             | 27.6          | 27.22                 | 27.6                                | 25.5         | 814.3                  | 784.6                   | 29.69                     | 27.430             |          |
| 8,550.0                                                               | 8,510.4               | 7,935.8               | 7,753.6               | 30.8             | 27.6          | 24.90                 | 13.6                                | 26.7         | 847.8                  | 819.0                   | 28.76                     | 29.473             |          |
| 8,600.0                                                               | 8,553.8               | 7,950.0               | 7,758.5               | 30.9             | 27.6          | 23.01                 | 0.3                                 | 27.8         | 879.3                  | 851.5                   | 27.83                     | 31.597             |          |
| 8,650.0                                                               | 8,595.0               | 7,967.4               | 7,764.0               | 30.9             | 27.7          | 21.41                 | -16.1                               | 29.2         | 908.7                  | 881.7                   | 27.04                     | 33.609             |          |
| 8,700.0                                                               | 8,633.5               | 7,983.7               | 7,768.7               | 31.0             | 27.7          | 20.10                 | -31.7                               | 30.5         | 935.9                  | 909.6                   | 26.25                     | 35.652             |          |
| 8,750.0                                                               | 8,669.0               | 8,000.0               | 7,773.0               | 31.1             | 27.7          | 19.03                 | -47.4                               | 31.9         | 960.8                  | 935.3                   | 25.52                     | 37.650             |          |
| 8,800.0                                                               | 8,701.4               | 8,017.2               | 7,777.0               | 31.1             | 27.8          | 18.13                 | -64.1                               | 33.3         | 983.3                  | 958.4                   | 24.89                     | 39.510             |          |
| 8,850.0                                                               | 8,730.3               | 8,034.4               | 7,780.5               | 31.1             | 27.8          | 17.41                 | -80.7                               | 34.7         | 1,003.4                | 979.1                   | 24.34                     | 41.227             |          |
| 8,900.0                                                               | 8,755.6               | 8,050.0               | 7,783.3               | 31.2             | 27.8          | 16.82                 | -96.1                               | 36.1         | 1,021.0                | 997.1                   | 23.86                     | 42.783             |          |
| 8,950.0                                                               | 8,777.0               | 8,069.1               | 7,786.1               | 31.2             | 27.9          | 16.36                 | -114.9                              | 37.7         | 1,036.0                | 1,012.4                 | 23.57                     | 43.947             |          |
| 9,000.0                                                               | 8,794.4               | 8,100.0               | 7,789.3               | 31.3             | 28.0          | 16.01                 | -145.5                              | 40.3         | 1,048.6                | 1,025.0                 | 23.55                     | 44.530             |          |
| 9,050.0                                                               | 8,807.6               | 8,100.0               | 7,789.3               | 31.4             | 28.0          | 15.75                 | -145.5                              | 40.3         | 1,058.1                | 1,034.8                 | 23.30                     | 45.420             |          |
| 9,100.0                                                               | 8,816.6               | 8,122.1               | 7,790.5               | 31.5             | 28.0          | 15.59                 | -167.5                              | 42.2         | 1,065.2                | 1,041.7                 | 23.43                     | 45.461             |          |
| 9,150.0                                                               | 8,821.2               | 8,143.8               | 7,791.0               | 31.7             | 28.1          | 15.54                 | -189.1                              | 44.0         | 1,069.6                | 1,045.9                 | 23.68                     | 45.163             |          |
| 9,178.6                                                               | 8,822.0               | 8,159.8               | 7,791.0               | 31.8             | 28.1          | 15.56                 | -205.0                              | 45.4         | 1,070.8                | 1,046.9                 | 23.89                     | 44.826             |          |
| 9,200.0                                                               | 8,822.0               | 8,179.2               | 7,791.0               | 31.8             | 28.2          | 15.65                 | -224.4                              | 46.8         | 1,071.2                | 1,047.2                 | 24.06                     | 44.522             |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design Boros - Boros Federal #024H - 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  |          |
| 9,300.0                                                               | 8,822.0               | 8,269.6               | 7,791.0               | 32.2             | 28.5          | 16.04                 | -314.7                              | 52.0         | 1,073.3                | 1,048.4                 | 24.93                     | 43.060             |          |
| 9,400.0                                                               | 8,822.0               | 8,359.9               | 7,791.0               | 32.6             | 28.9          | 16.42                 | -404.9                              | 54.4         | 1,075.4                | 1,049.5                 | 25.87                     | 41.575             |          |
| 9,500.0                                                               | 8,822.0               | 8,458.5               | 7,791.0               | 33.1             | 29.4          | 16.74                 | -503.6                              | 55.0         | 1,077.0                | 1,050.1                 | 26.87                     | 40.085             |          |
| 9,600.0                                                               | 8,822.0               | 8,558.5               | 7,791.0               | 33.7             | 30.0          | 16.86                 | -603.5                              | 55.6         | 1,077.6                | 1,049.8                 | 27.85                     | 38.693             |          |
| 9,614.7                                                               | 8,822.0               | 8,573.3               | 7,791.0               | 33.8             | 30.1          | 16.87                 | -618.3                              | 55.7         | 1,077.7                | 1,049.7                 | 27.99                     | 38.497             |          |
| 9,700.0                                                               | 8,822.0               | 8,658.5               | 7,791.0               | 34.3             | 30.7          | 16.87                 | -703.5                              | 56.3         | 1,077.7                | 1,048.8                 | 28.85                     | 37.357             |          |
| 9,800.0                                                               | 8,822.0               | 8,758.5               | 7,791.0               | 35.0             | 31.5          | 16.87                 | -803.5                              | 56.9         | 1,077.7                | 1,047.7                 | 29.92                     | 36.023             |          |
| 9,900.0                                                               | 8,822.0               | 8,858.5               | 7,791.0               | 35.7             | 32.3          | 16.87                 | -903.5                              | 57.5         | 1,077.7                | 1,046.6                 | 31.05                     | 34.708             |          |
| 10,000.0                                                              | 8,822.0               | 8,958.5               | 7,791.0               | 36.5             | 33.1          | 16.87                 | -1,003.5                            | 58.1         | 1,077.6                | 1,045.4                 | 32.24                     | 33.426             |          |
| 10,100.0                                                              | 8,822.0               | 9,058.5               | 7,791.0               | 37.4             | 34.1          | 16.86                 | -1,103.5                            | 58.8         | 1,077.6                | 1,044.2                 | 33.48                     | 32.184             |          |
| 10,200.0                                                              | 8,822.0               | 9,158.5               | 7,791.0               | 38.3             | 35.1          | 16.86                 | -1,203.5                            | 59.4         | 1,077.6                | 1,042.9                 | 34.77                     | 30.990             |          |
| 10,300.0                                                              | 8,822.0               | 9,258.5               | 7,791.0               | 39.2             | 36.1          | 16.86                 | -1,303.5                            | 60.0         | 1,077.6                | 1,041.5                 | 36.11                     | 29.847             |          |
| 10,400.0                                                              | 8,822.0               | 9,358.5               | 7,791.0               | 40.2             | 37.2          | 16.86                 | -1,403.5                            | 60.7         | 1,077.6                | 1,040.2                 | 37.48                     | 28.756             |          |
| 10,500.0                                                              | 8,822.0               | 9,458.5               | 7,791.0               | 41.2             | 38.3          | 16.86                 | -1,503.5                            | 61.3         | 1,077.6                | 1,038.8                 | 38.88                     | 27.719             |          |
| 10,600.0                                                              | 8,822.0               | 9,558.5               | 7,791.0               | 42.3             | 39.5          | 16.86                 | -1,603.5                            | 61.9         | 1,077.6                | 1,037.3                 | 40.31                     | 26.734             |          |
| 10,700.0                                                              | 8,822.0               | 9,658.5               | 7,791.0               | 43.4             | 40.7          | 16.86                 | -1,703.5                            | 62.5         | 1,077.6                | 1,035.9                 | 41.77                     | 25.800             |          |
| 10,800.0                                                              | 8,822.0               | 9,758.5               | 7,791.0               | 44.6             | 41.9          | 16.86                 | -1,803.5                            | 63.2         | 1,077.6                | 1,034.4                 | 43.25                     | 24.916             |          |
| 10,900.0                                                              | 8,822.0               | 9,858.5               | 7,791.0               | 45.8             | 43.1          | 16.86                 | -1,903.5                            | 63.8         | 1,077.6                | 1,032.9                 | 44.76                     | 24.078             |          |
| 11,000.0                                                              | 8,822.0               | 9,958.5               | 7,791.0               | 47.0             | 44.4          | 16.86                 | -2,003.5                            | 64.4         | 1,077.6                | 1,031.4                 | 46.28                     | 23.285             |          |
| 11,100.0                                                              | 8,822.0               | 10,058.5              | 7,791.0               | 48.2             | 45.7          | 16.86                 | -2,103.5                            | 65.1         | 1,077.6                | 1,029.8                 | 47.82                     | 22.535             |          |
| 11,200.0                                                              | 8,822.0               | 10,158.5              | 7,791.0               | 49.4             | 47.1          | 16.86                 | -2,203.5                            | 65.7         | 1,077.6                | 1,028.2                 | 49.38                     | 21.824             |          |
| 11,300.0                                                              | 8,822.0               | 10,258.5              | 7,791.0               | 50.7             | 48.4          | 16.86                 | -2,303.5                            | 66.3         | 1,077.6                | 1,026.7                 | 50.95                     | 21.150             |          |
| 11,400.0                                                              | 8,822.0               | 10,358.5              | 7,791.0               | 52.0             | 49.8          | 16.86                 | -2,403.5                            | 67.0         | 1,077.6                | 1,025.1                 | 52.54                     | 20.512             |          |
| 11,500.0                                                              | 8,822.0               | 10,458.5              | 7,791.0               | 53.3             | 51.1          | 16.86                 | -2,503.5                            | 67.6         | 1,077.6                | 1,023.5                 | 54.13                     | 19.907             |          |
| 11,600.0                                                              | 8,822.0               | 10,558.5              | 7,791.0               | 54.7             | 52.5          | 16.86                 | -2,603.5                            | 68.2         | 1,077.6                | 1,021.9                 | 55.74                     | 19.332             |          |
| 11,700.0                                                              | 8,822.0               | 10,658.5              | 7,791.0               | 56.0             | 54.0          | 16.86                 | -2,703.5                            | 68.8         | 1,077.6                | 1,020.3                 | 57.36                     | 18.787             |          |
| 11,800.0                                                              | 8,822.0               | 10,758.5              | 7,791.0               | 57.4             | 55.4          | 16.86                 | -2,803.5                            | 69.5         | 1,077.6                | 1,018.6                 | 58.99                     | 18.268             |          |
| 11,900.0                                                              | 8,822.0               | 10,858.5              | 7,791.0               | 58.8             | 56.8          | 16.86                 | -2,903.5                            | 70.1         | 1,077.6                | 1,017.0                 | 60.63                     | 17.775             |          |
| 12,000.0                                                              | 8,822.0               | 10,958.5              | 7,791.0               | 60.1             | 58.3          | 16.86                 | -3,003.5                            | 70.7         | 1,077.6                | 1,015.3                 | 62.27                     | 17.305             |          |
| 12,100.0                                                              | 8,822.0               | 11,058.5              | 7,791.0               | 61.6             | 59.7          | 16.86                 | -3,103.5                            | 71.4         | 1,077.6                | 1,013.7                 | 63.92                     | 16.858             |          |
| 12,200.0                                                              | 8,822.0               | 11,158.5              | 7,791.0               | 63.0             | 61.2          | 16.86                 | -3,203.5                            | 72.0         | 1,077.6                | 1,012.0                 | 65.58                     | 16.432             |          |
| 12,300.0                                                              | 8,822.0               | 11,258.5              | 7,791.0               | 64.4             | 62.7          | 16.86                 | -3,303.5                            | 72.6         | 1,077.6                | 1,010.4                 | 67.24                     | 16.025             |          |
| 12,400.0                                                              | 8,822.0               | 11,358.5              | 7,791.0               | 65.8             | 64.2          | 16.86                 | -3,403.5                            | 73.2         | 1,077.6                | 1,008.7                 | 68.91                     | 15.637             |          |
| 12,500.0                                                              | 8,822.0               | 11,458.5              | 7,791.0               | 67.3             | 65.7          | 16.86                 | -3,503.5                            | 73.9         | 1,077.6                | 1,007.0                 | 70.59                     | 15.266             |          |
| 12,600.0                                                              | 8,822.0               | 11,558.5              | 7,791.0               | 68.7             | 67.2          | 16.86                 | -3,603.5                            | 74.5         | 1,077.6                | 1,005.3                 | 72.27                     | 14.911             |          |
| 12,700.0                                                              | 8,822.0               | 11,658.5              | 7,791.0               | 70.2             | 68.7          | 16.86                 | -3,703.5                            | 75.1         | 1,077.6                | 1,003.6                 | 73.96                     | 14.571             |          |
| 12,800.0                                                              | 8,822.0               | 11,758.5              | 7,791.0               | 71.7             | 70.2          | 16.86                 | -3,803.5                            | 75.8         | 1,077.6                | 1,001.9                 | 75.65                     | 14.245             |          |
| 12,900.0                                                              | 8,822.0               | 11,858.5              | 7,791.0               | 73.2             | 71.7          | 16.85                 | -3,903.5                            | 76.4         | 1,077.6                | 1,000.3                 | 77.34                     | 13.933             |          |
| 13,000.0                                                              | 8,822.0               | 11,958.5              | 7,791.0               | 74.7             | 73.2          | 16.85                 | -4,003.5                            | 77.0         | 1,077.6                | 998.6                   | 79.04                     | 13.634             |          |
| 13,100.0                                                              | 8,822.0               | 12,058.5              | 7,791.0               | 76.2             | 74.8          | 16.85                 | -4,103.5                            | 77.6         | 1,077.6                | 996.8                   | 80.74                     | 13.347             |          |
| 13,200.0                                                              | 8,822.0               | 12,158.5              | 7,791.0               | 77.7             | 76.3          | 16.85                 | -4,203.5                            | 78.3         | 1,077.6                | 995.1                   | 82.44                     | 13.071             |          |
| 13,300.0                                                              | 8,822.0               | 12,258.5              | 7,791.0               | 79.2             | 77.8          | 16.85                 | -4,303.5                            | 78.9         | 1,077.6                | 993.4                   | 84.15                     | 12.806             |          |
| 13,400.0                                                              | 8,822.0               | 12,358.5              | 7,791.0               | 80.7             | 79.4          | 16.85                 | -4,403.5                            | 79.5         | 1,077.6                | 991.7                   | 85.86                     | 12.551             |          |
| 13,500.0                                                              | 8,822.0               | 12,458.5              | 7,791.0               | 82.2             | 80.9          | 16.85                 | -4,503.5                            | 80.2         | 1,077.6                | 990.0                   | 87.57                     | 12.305             |          |
| 13,600.0                                                              | 8,822.0               | 12,558.5              | 7,791.0               | 83.7             | 82.5          | 16.85                 | -4,603.5                            | 80.8         | 1,077.6                | 988.3                   | 89.29                     | 12.069             |          |
| 13,700.0                                                              | 8,822.0               | 12,658.5              | 7,791.0               | 85.2             | 84.1          | 16.85                 | -4,703.5                            | 81.4         | 1,077.6                | 986.6                   | 91.01                     | 11.841             |          |
| 13,800.0                                                              | 8,822.0               | 12,758.5              | 7,791.0               | 86.8             | 85.6          | 16.85                 | -4,803.5                            | 82.0         | 1,077.6                | 984.8                   | 92.73                     | 11.621             |          |
| 13,900.0                                                              | 8,822.0               | 12,858.5              | 7,791.0               | 88.3             | 87.2          | 16.85                 | -4,903.5                            | 82.7         | 1,077.6                | 983.1                   | 94.45                     | 11.409             |          |
| 14,000.0                                                              | 8,822.0               | 12,958.5              | 7,791.0               | 89.9             | 88.7          | 16.85                 | -5,003.4                            | 83.3         | 1,077.6                | 981.4                   | 96.17                     | 11.204             |          |
| 14,100.0                                                              | 8,822.0               | 13,058.5              | 7,791.0               | 91.4             | 90.3          | 16.85                 | -5,103.4                            | 83.9         | 1,077.6                | 979.7                   | 97.90                     | 11.007             |          |
| 14,200.0                                                              | 8,822.0               | 13,158.5              | 7,791.0               | 92.9             | 91.9          | 16.85                 | -5,203.4                            | 84.6         | 1,077.6                | 977.9                   | 99.63                     | 10.816             |          |
| 14,300.0                                                              | 8,822.0               | 13,258.5              | 7,791.0               | 94.5             | 93.5          | 16.85                 | -5,303.4                            | 85.2         | 1,077.6                | 976.2                   | 101.36                    | 10.631             |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design Boros - Boros Federal #024H - 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  |          |
| 14,400.0                                                              | 8,822.0               | 13,358.5              | 7,791.0               | 96.0             | 95.1          | 16.85                 | -5,403.4                            | 85.8         | 1,077.6                | 974.5                   | 103.09                    | 10.453             |          |
| 14,500.0                                                              | 8,822.0               | 13,458.5              | 7,791.0               | 97.6             | 96.6          | 16.85                 | -5,503.4                            | 86.5         | 1,077.6                | 972.7                   | 104.82                    | 10.280             |          |
| 14,600.0                                                              | 8,822.0               | 13,558.5              | 7,791.0               | 99.2             | 98.2          | 16.85                 | -5,603.4                            | 87.1         | 1,077.6                | 971.0                   | 106.56                    | 10.112             |          |
| 14,700.0                                                              | 8,822.0               | 13,658.5              | 7,791.0               | 100.7            | 99.8          | 16.85                 | -5,703.4                            | 87.7         | 1,077.6                | 969.3                   | 108.30                    | 9.950              |          |
| 14,800.0                                                              | 8,822.0               | 13,758.5              | 7,791.0               | 102.3            | 101.4         | 16.85                 | -5,803.4                            | 88.3         | 1,077.6                | 967.5                   | 110.03                    | 9.793              |          |
| 14,900.0                                                              | 8,822.0               | 13,858.5              | 7,791.0               | 103.9            | 103.0         | 16.85                 | -5,903.4                            | 89.0         | 1,077.5                | 965.8                   | 111.77                    | 9.641              |          |
| 15,000.0                                                              | 8,822.0               | 13,958.5              | 7,791.0               | 105.4            | 104.6         | 16.85                 | -6,003.4                            | 89.6         | 1,077.5                | 964.0                   | 113.51                    | 9.493              |          |
| 15,100.0                                                              | 8,822.0               | 14,058.5              | 7,791.0               | 107.0            | 106.2         | 16.85                 | -6,103.4                            | 90.2         | 1,077.5                | 962.3                   | 115.25                    | 9.349              |          |
| 15,200.0                                                              | 8,822.0               | 14,158.5              | 7,791.0               | 108.6            | 107.8         | 16.85                 | -6,203.4                            | 90.9         | 1,077.5                | 960.5                   | 117.00                    | 9.210              |          |
| 15,300.0                                                              | 8,822.0               | 14,258.5              | 7,791.0               | 110.2            | 109.4         | 16.85                 | -6,303.4                            | 91.5         | 1,077.5                | 958.8                   | 118.74                    | 9.075              |          |
| 15,400.0                                                              | 8,822.0               | 14,358.5              | 7,791.0               | 111.7            | 111.0         | 16.85                 | -6,403.4                            | 92.1         | 1,077.5                | 957.1                   | 120.49                    | 8.943              |          |
| 15,500.0                                                              | 8,822.0               | 14,458.5              | 7,791.0               | 113.3            | 112.6         | 16.85                 | -6,503.4                            | 92.7         | 1,077.5                | 955.3                   | 122.23                    | 8.816              |          |
| 15,600.0                                                              | 8,822.0               | 14,558.5              | 7,791.0               | 114.9            | 114.2         | 16.85                 | -6,603.4                            | 93.4         | 1,077.5                | 953.6                   | 123.98                    | 8.691              |          |
| 15,700.0                                                              | 8,822.0               | 14,658.5              | 7,791.0               | 116.5            | 115.8         | 16.84                 | -6,703.4                            | 94.0         | 1,077.5                | 951.8                   | 125.73                    | 8.571              |          |
| 15,800.0                                                              | 8,822.0               | 14,758.5              | 7,791.0               | 118.1            | 117.4         | 16.84                 | -6,803.4                            | 94.6         | 1,077.5                | 950.1                   | 127.47                    | 8.453              |          |
| 15,900.0                                                              | 8,822.0               | 14,858.5              | 7,791.0               | 119.7            | 119.0         | 16.84                 | -6,903.4                            | 95.3         | 1,077.5                | 948.3                   | 129.22                    | 8.339              |          |
| 16,000.0                                                              | 8,822.0               | 14,958.5              | 7,791.0               | 121.3            | 120.6         | 16.84                 | -7,003.4                            | 95.9         | 1,077.5                | 946.6                   | 130.97                    | 8.227              |          |
| 16,100.0                                                              | 8,822.0               | 15,058.5              | 7,791.0               | 122.8            | 122.2         | 16.84                 | -7,103.4                            | 96.5         | 1,077.5                | 944.8                   | 132.72                    | 8.119              |          |
| 16,200.0                                                              | 8,822.0               | 15,158.5              | 7,791.0               | 124.4            | 123.8         | 16.84                 | -7,203.4                            | 97.1         | 1,077.5                | 943.0                   | 134.48                    | 8.013              |          |
| 16,300.0                                                              | 8,822.0               | 15,258.5              | 7,791.0               | 126.0            | 125.4         | 16.84                 | -7,303.4                            | 97.8         | 1,077.5                | 941.3                   | 136.23                    | 7.910              |          |
| 16,400.0                                                              | 8,822.0               | 15,358.5              | 7,791.0               | 127.6            | 127.0         | 16.84                 | -7,403.4                            | 98.4         | 1,077.5                | 939.5                   | 137.98                    | 7.809              |          |
| 16,500.0                                                              | 8,822.0               | 15,458.5              | 7,791.0               | 129.2            | 128.6         | 16.84                 | -7,503.4                            | 99.0         | 1,077.5                | 937.8                   | 139.73                    | 7.711              |          |
| 16,600.0                                                              | 8,822.0               | 15,558.5              | 7,791.0               | 130.8            | 130.3         | 16.84                 | -7,603.4                            | 99.7         | 1,077.5                | 936.0                   | 141.49                    | 7.616              |          |
| 16,700.0                                                              | 8,822.0               | 15,658.5              | 7,791.0               | 132.4            | 131.9         | 16.84                 | -7,703.4                            | 100.3        | 1,077.5                | 934.3                   | 143.24                    | 7.522              |          |
| 16,800.0                                                              | 8,822.0               | 15,758.5              | 7,791.0               | 134.0            | 133.5         | 16.84                 | -7,803.4                            | 100.9        | 1,077.5                | 932.5                   | 145.00                    | 7.431              |          |
| 16,900.0                                                              | 8,822.0               | 15,858.5              | 7,791.0               | 135.6            | 135.1         | 16.84                 | -7,903.4                            | 101.5        | 1,077.5                | 930.8                   | 146.75                    | 7.342              |          |
| 17,000.0                                                              | 8,822.0               | 15,958.5              | 7,791.0               | 137.2            | 136.7         | 16.84                 | -8,003.4                            | 102.2        | 1,077.5                | 929.0                   | 148.51                    | 7.255              |          |
| 17,100.0                                                              | 8,822.0               | 16,058.5              | 7,791.0               | 138.8            | 138.3         | 16.84                 | -8,103.4                            | 102.8        | 1,077.5                | 927.2                   | 150.27                    | 7.171              |          |
| 17,200.0                                                              | 8,822.0               | 16,158.5              | 7,791.0               | 140.4            | 140.0         | 16.84                 | -8,203.4                            | 103.4        | 1,077.5                | 925.5                   | 152.03                    | 7.088              |          |
| 17,300.0                                                              | 8,822.0               | 16,258.5              | 7,791.0               | 142.0            | 141.6         | 16.84                 | -8,303.4                            | 104.1        | 1,077.5                | 923.7                   | 153.78                    | 7.007              |          |
| 17,400.0                                                              | 8,822.0               | 16,358.5              | 7,791.0               | 143.7            | 143.2         | 16.84                 | -8,403.4                            | 104.7        | 1,077.5                | 922.0                   | 155.54                    | 6.927              |          |
| 17,500.0                                                              | 8,822.0               | 16,458.5              | 7,791.0               | 145.3            | 144.8         | 16.84                 | -8,503.4                            | 105.3        | 1,077.5                | 920.2                   | 157.30                    | 6.850              |          |
| 17,600.0                                                              | 8,822.0               | 16,558.5              | 7,791.0               | 146.9            | 146.5         | 16.84                 | -8,603.4                            | 105.9        | 1,077.5                | 918.4                   | 159.06                    | 6.774              |          |
| 17,700.0                                                              | 8,822.0               | 16,658.5              | 7,791.0               | 148.5            | 148.1         | 16.84                 | -8,703.4                            | 106.6        | 1,077.5                | 916.7                   | 160.82                    | 6.700              |          |
| 17,800.0                                                              | 8,822.0               | 16,758.5              | 7,791.0               | 150.1            | 149.7         | 16.84                 | -8,803.4                            | 107.2        | 1,077.5                | 914.9                   | 162.58                    | 6.627              |          |
| 17,900.0                                                              | 8,822.0               | 16,858.5              | 7,791.0               | 151.7            | 151.3         | 16.84                 | -8,903.4                            | 107.8        | 1,077.5                | 913.1                   | 164.34                    | 6.556              |          |
| 18,000.0                                                              | 8,822.0               | 16,958.5              | 7,791.0               | 153.3            | 152.9         | 16.84                 | -9,003.4                            | 108.5        | 1,077.5                | 911.4                   | 166.10                    | 6.487              |          |
| 18,100.0                                                              | 8,822.0               | 17,058.5              | 7,791.0               | 154.9            | 154.6         | 16.84                 | -9,103.4                            | 109.1        | 1,077.5                | 909.6                   | 167.86                    | 6.419              |          |
| 18,200.0                                                              | 8,822.0               | 17,158.5              | 7,791.0               | 156.5            | 156.2         | 16.84                 | -9,203.4                            | 109.7        | 1,077.5                | 907.9                   | 169.62                    | 6.352              |          |
| 18,300.0                                                              | 8,822.0               | 17,258.5              | 7,791.0               | 158.2            | 157.8         | 16.84                 | -9,303.4                            | 110.4        | 1,077.5                | 906.1                   | 171.39                    | 6.287              |          |
| 18,400.0                                                              | 8,822.0               | 17,358.5              | 7,791.0               | 159.8            | 159.5         | 16.83                 | -9,403.4                            | 111.0        | 1,077.5                | 904.3                   | 173.15                    | 6.223              |          |
| 18,500.0                                                              | 8,822.0               | 17,458.5              | 7,791.0               | 161.4            | 161.1         | 16.83                 | -9,503.4                            | 111.6        | 1,077.5                | 902.6                   | 174.91                    | 6.160              |          |
| 18,600.0                                                              | 8,822.0               | 17,558.5              | 7,791.0               | 163.0            | 162.7         | 16.83                 | -9,603.4                            | 112.2        | 1,077.5                | 900.8                   | 176.67                    | 6.099              |          |
| 18,700.0                                                              | 8,822.0               | 17,658.5              | 7,791.0               | 164.6            | 164.3         | 16.83                 | -9,703.4                            | 112.9        | 1,077.5                | 899.0                   | 178.44                    | 6.038              |          |
| 18,800.0                                                              | 8,822.0               | 17,758.5              | 7,791.0               | 166.2            | 166.0         | 16.83                 | -9,803.4                            | 113.5        | 1,077.5                | 897.3                   | 180.20                    | 5.979              |          |
| 18,900.0                                                              | 8,822.0               | 17,858.5              | 7,791.0               | 167.9            | 167.6         | 16.83                 | -9,903.4                            | 114.1        | 1,077.5                | 895.5                   | 181.97                    | 5.921              |          |
| 19,000.0                                                              | 8,822.0               | 17,958.5              | 7,791.0               | 169.5            | 169.2         | 16.83                 | -10,003.3                           | 114.8        | 1,077.5                | 893.7                   | 183.73                    | 5.864              |          |
| 19,100.0                                                              | 8,822.0               | 18,058.5              | 7,791.0               | 171.1            | 170.9         | 16.83                 | -10,103.3                           | 115.4        | 1,077.5                | 892.0                   | 185.49                    | 5.809              |          |
| 19,129.9                                                              | 8,822.0               | 18,088.4              | 7,791.0               | 171.6            | 171.3         | 16.83                 | -10,133.2                           | 115.6        | 1,077.5                | 891.4                   | 186.02                    | 5.792              |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|-------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 242-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           | -89.74                | 0.5                                 | -110.1       | 110.1                  |                         |                           |                    |          |
| 100.0                   | 100.0                 | 97.3                  | 97.3                  | 0.1              | 0.2           | -89.69                | 0.6                                 | -109.9       | 109.9                  | 109.7                   | 0.28                      | 388.934            |          |
| 200.0                   | 200.0                 | 197.6                 | 197.6                 | 0.5              | 0.3           | -89.53                | 0.9                                 | -109.5       | 109.5                  | 108.7                   | 0.80                      | 136.966            |          |
| 300.0                   | 300.0                 | 297.9                 | 297.9                 | 0.8              | 0.6           | -89.28                | 1.4                                 | -108.8       | 108.8                  | 107.4                   | 1.43                      | 76.159             |          |
| 400.0                   | 400.0                 | 398.0                 | 398.0                 | 1.2              | 0.9           | -88.96                | 2.0                                 | -107.9       | 107.9                  | 105.8                   | 2.15                      | 50.282             |          |
| 500.0                   | 500.0                 | 498.2                 | 498.2                 | 1.6              | 1.3           | -88.47                | 2.9                                 | -106.9       | 106.9                  | 104.1                   | 2.86                      | 37.337             |          |
| 600.0                   | 600.0                 | 597.8                 | 597.7                 | 1.9              | 1.7           | -87.93                | 3.8                                 | -105.9       | 105.9                  | 102.4                   | 3.58                      | 29.608             |          |
| 700.0                   | 700.0                 | 697.5                 | 697.5                 | 2.3              | 2.0           | -87.55                | 4.5                                 | -105.3       | 105.4                  | 101.1                   | 4.29                      | 24.545             |          |
| 800.0                   | 800.0                 | 797.4                 | 797.4                 | 2.6              | 2.4           | -87.07                | 5.4                                 | -104.8       | 105.0                  | 100.0                   | 5.01                      | 20.954             |          |
| 872.0                   | 872.0                 | 869.1                 | 869.0                 | 2.9              | 2.6           | -86.75                | 5.9                                 | -104.7       | 104.8                  | 99.3                    | 5.52                      | 18.986             |          |
| 900.0                   | 900.0                 | 896.9                 | 896.9                 | 3.0              | 2.7           | -86.65                | 6.1                                 | -104.7       | 104.9                  | 99.1                    | 5.72                      | 18.330             |          |
| 1,000.0                 | 1,000.0               | 996.5                 | 996.5                 | 3.4              | 3.1           | -86.18                | 7.0                                 | -104.9       | 105.2                  | 98.7                    | 6.43                      | 16.361             |          |
| 1,100.0                 | 1,100.0               | 1,096.2               | 1,096.2               | 3.7              | 3.4           | -85.71                | 7.9                                 | -105.5       | 105.8                  | 98.6                    | 7.14                      | 14.820             |          |
| 1,200.0                 | 1,200.0               | 1,195.5               | 1,195.5               | 4.1              | 3.8           | -85.03                | 9.3                                 | -106.5       | 106.9                  | 99.0                    | 7.84                      | 13.632             |          |
| 1,300.0                 | 1,300.0               | 1,295.2               | 1,295.1               | 4.4              | 4.1           | -84.26                | 10.9                                | -108.0       | 108.5                  | 100.0                   | 8.55                      | 12.699             |          |
| 1,400.0                 | 1,400.0               | 1,394.7               | 1,394.6               | 4.8              | 4.5           | -83.50                | 12.5                                | -109.6       | 110.4                  | 101.1                   | 9.25                      | 11.927             |          |
| 1,500.0                 | 1,500.0               | 1,494.7               | 1,494.5               | 5.1              | 4.8           | -82.41                | 14.9                                | -111.7       | 112.7                  | 102.8                   | 9.97                      | 11.311             |          |
| 1,600.0                 | 1,600.0               | 1,595.1               | 1,594.9               | 5.5              | 5.2           | -81.15                | 17.6                                | -113.3       | 114.7                  | 104.0                   | 10.68                     | 10.739             |          |
| 1,700.0                 | 1,700.0               | 1,695.4               | 1,695.1               | 5.9              | 5.5           | -80.31                | 19.6                                | -114.7       | 116.4                  | 105.0                   | 11.40                     | 10.215             |          |
| 1,800.0                 | 1,800.0               | 1,796.6               | 1,796.3               | 6.2              | 5.9           | -80.12                | 20.2                                | -116.0       | 117.7                  | 105.6                   | 12.11                     | 9.723              |          |
| 1,900.0                 | 1,900.0               | 1,897.1               | 1,896.8               | 6.6              | 6.2           | -81.35                | 17.7                                | -116.6       | 117.9                  | 105.1                   | 12.80                     | 9.212              |          |
| 2,000.0                 | 2,000.0               | 1,997.4               | 1,997.0               | 6.9              | 6.6           | -83.37                | 13.6                                | -117.3       | 118.0                  | 104.6                   | 13.49                     | 8.750              |          |
| 2,045.3                 | 2,045.3               | 2,042.8               | 2,042.3               | 7.1              | 6.7           | -84.37                | 11.6                                | -117.5       | 118.0                  | 104.2                   | 13.81                     | 8.549              |          |
| 2,100.0                 | 2,100.0               | 2,097.3               | 2,096.9               | 7.3              | 6.9           | -85.54                | 9.2                                 | -117.7       | 118.1                  | 103.9                   | 14.19                     | 8.323              |          |
| 2,200.0                 | 2,200.0               | 2,198.1               | 2,197.5               | 7.7              | 7.2           | -87.57                | 5.0                                 | -117.9       | 118.0                  | 103.1                   | 14.89                     | 7.926              |          |
| 2,300.0                 | 2,300.0               | 2,298.6               | 2,298.0               | 8.0              | 7.6           | -89.15                | 1.7                                 | -117.3       | 117.3                  | 101.8                   | 15.59                     | 7.529              |          |
| 2,400.0                 | 2,400.0               | 2,398.9               | 2,398.3               | 8.4              | 7.9           | -90.07                | -0.1                                | -116.3       | 116.4                  | 100.1                   | 16.29                     | 7.143              |          |
| 2,500.0                 | 2,500.0               | 2,498.9               | 2,498.3               | 8.7              | 8.3           | -90.94                | -1.9                                | -115.2       | 115.2                  | 98.3                    | 16.99                     | 6.782              |          |
| 2,600.0                 | 2,600.0               | 2,598.8               | 2,598.1               | 9.1              | 8.6           | -91.94                | -3.9                                | -114.1       | 114.2                  | 96.5                    | 17.70                     | 6.454              |          |
| 2,700.0                 | 2,700.0               | 2,698.5               | 2,697.8               | 9.4              | 9.0           | -93.08                | -6.1                                | -113.2       | 113.4                  | 95.0                    | 18.40                     | 6.163              |          |
| 2,800.0                 | 2,800.0               | 2,798.6               | 2,797.8               | 9.8              | 9.3           | -94.05                | -8.0                                | -112.5       | 112.8                  | 93.7                    | 19.11                     | 5.902              |          |
| 2,900.0                 | 2,900.0               | 2,899.8               | 2,899.0               | 10.2             | 9.7           | -93.67                | -7.1                                | -111.2       | 111.5                  | 91.6                    | 19.82                     | 5.624              |          |
| 3,000.0                 | 3,000.0               | 3,000.5               | 2,999.7               | 10.5             | 10.0          | -92.23                | -4.3                                | -109.2       | 109.3                  | 88.8                    | 20.53                     | 5.324              |          |
| 3,100.0                 | 3,100.0               | 3,100.5               | 3,099.6               | 10.9             | 10.4          | -90.09                | -0.2                                | -106.7       | 106.7                  | 85.5                    | 21.24                     | 5.024              |          |
| 3,200.0                 | 3,200.0               | 3,199.3               | 3,198.0               | 11.2             | 10.7          | -85.78                | 7.7                                 | -104.7       | 104.9                  | 83.0                    | 21.95                     | 4.781              |          |
| 3,254.6                 | 3,254.6               | 3,253.2               | 3,251.6               | 11.4             | 10.9          | -82.91                | 12.9                                | -103.9       | 104.7                  | 82.3                    | 22.33                     | 4.687 CC           |          |
| 3,300.0                 | 3,300.0               | 3,298.5               | 3,296.7               | 11.6             | 11.1          | -80.48                | 17.3                                | -103.3       | 104.8                  | 82.1                    | 22.66                     | 4.623              |          |
| 3,400.0                 | 3,400.0               | 3,398.4               | 3,396.3               | 12.0             | 11.4          | -75.72                | 25.9                                | -101.9       | 105.1                  | 81.7                    | 23.37                     | 4.498 ES           |          |
| 3,500.0                 | 3,500.0               | 3,498.4               | 3,495.9               | 12.3             | 11.8          | -70.98                | 34.6                                | -100.3       | 106.1                  | 82.0                    | 24.09                     | 4.406              |          |
| 3,600.0                 | 3,600.0               | 3,598.1               | 3,595.2               | 12.7             | 12.1          | -66.42                | 42.9                                | -98.3        | 107.2                  | 82.4                    | 24.80                     | 4.324              |          |
| 3,700.0                 | 3,700.0               | 3,696.7               | 3,693.4               | 13.0             | 12.5          | -62.25                | 51.0                                | -97.0        | 109.7                  | 84.1                    | 25.50                     | 4.300              |          |
| 3,800.0                 | 3,800.0               | 3,796.0               | 3,792.4               | 13.4             | 12.8          | -58.22                | 59.8                                | -96.4        | 113.6                  | 87.3                    | 26.21                     | 4.332              |          |
| 3,900.0                 | 3,900.0               | 3,894.5               | 3,890.5               | 13.7             | 13.2          | -87.41                | 68.0                                | -96.3        | 118.1                  | 91.2                    | 26.90                     | 4.388              |          |
| 4,000.0                 | 4,000.0               | 3,991.7               | 3,987.4               | 14.1             | 13.6          | -85.58                | 76.8                                | -97.9        | 124.5                  | 96.9                    | 27.57                     | 4.516              |          |
| 4,100.0                 | 4,099.9               | 4,091.5               | 4,086.6               | 14.5             | 13.9          | -84.48                | 87.0                                | -100.3       | 132.3                  | 104.0                   | 28.28                     | 4.676              |          |
| 4,200.0                 | 4,199.7               | 4,192.7               | 4,187.3               | 14.8             | 14.3          | -84.62                | 95.9                                | -102.7       | 138.9                  | 109.9                   | 29.02                     | 4.787              |          |
| 4,300.0                 | 4,299.4               | 4,293.5               | 4,287.8               | 15.2             | 14.7          | -85.63                | 104.0                               | -104.6       | 144.6                  | 114.8                   | 29.75                     | 4.859              |          |
| 4,400.0                 | 4,398.9               | 4,393.0               | 4,387.0               | 15.5             | 15.0          | -87.38                | 111.4                               | -106.5       | 149.9                  | 119.4                   | 30.47                     | 4.919              |          |
| 4,500.0                 | 4,498.3               | 4,491.5               | 4,485.2               | 15.9             | 15.4          | -89.57                | 119.0                               | -108.7       | 155.8                  | 124.6                   | 31.18                     | 4.997              |          |
| 4,600.0                 | 4,597.4               | 4,588.8               | 4,582.0               | 16.2             | 15.7          | -91.68                | 128.3                               | -111.1       | 163.0                  | 131.2                   | 31.87                     | 5.115              |          |
| 4,700.0                 | 4,696.4               | 4,688.1               | 4,680.7               | 16.6             | 16.1          | -93.59                | 139.2                               | -113.6       | 171.3                  | 138.7                   | 32.60                     | 5.256              |          |
| 4,800.0                 | 4,795.5               | 4,788.3               | 4,780.2               | 17.0             | 16.5          | -95.31                | 150.2                               | -116.0       | 179.6                  | 146.3                   | 33.35                     | 5.387              |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design Boros - Boros Federal #104H - Wellbore #1 - Actual |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 242-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                                                          | 4,894.5               | 4,888.1               | 4,879.4               | 17.3             | 16.8          | -97.06                | 160.5                               | -118.4       | 187.8                  | 153.7                   | 34.09                     | 5.509              |          |
| 5,000.0                                                          | 4,993.5               | 4,988.5               | 4,979.2               | 17.7             | 17.2          | -98.55                | 171.1                               | -120.3       | 195.9                  | 161.0                   | 34.85                     | 5.621              |          |
| 5,100.0                                                          | 5,092.5               | 5,088.7               | 5,078.8               | 18.1             | 17.6          | -99.61                | 182.6                               | -121.5       | 203.6                  | 168.0                   | 35.60                     | 5.720              |          |
| 5,200.0                                                          | 5,191.6               | 5,188.6               | 5,178.1               | 18.5             | 18.0          | -100.63               | 193.8                               | -122.5       | 211.3                  | 174.9                   | 36.35                     | 5.812              |          |
| 5,300.0                                                          | 5,290.6               | 5,288.7               | 5,277.6               | 18.8             | 18.4          | -101.76               | 204.4                               | -123.6       | 218.8                  | 181.7                   | 37.11                     | 5.896              |          |
| 5,400.0                                                          | 5,389.6               | 5,388.8               | 5,377.2               | 19.2             | 18.7          | -102.94               | 214.4                               | -124.7       | 226.2                  | 188.4                   | 37.86                     | 5.975              |          |
| 5,500.0                                                          | 5,488.6               | 5,489.4               | 5,477.4               | 19.6             | 19.1          | -104.12               | 224.1                               | -125.5       | 233.3                  | 194.7                   | 38.62                     | 6.041              |          |
| 5,600.0                                                          | 5,587.7               | 5,589.5               | 5,577.0               | 20.0             | 19.5          | -105.27               | 233.4                               | -126.2       | 240.3                  | 201.0                   | 39.38                     | 6.103              |          |
| 5,700.0                                                          | 5,686.7               | 5,689.9               | 5,677.0               | 20.4             | 19.9          | -106.48               | 242.2                               | -126.7       | 247.1                  | 207.0                   | 40.14                     | 6.157              |          |
| 5,800.0                                                          | 5,785.7               | 5,790.3               | 5,777.1               | 20.7             | 20.2          | -107.79               | 250.3                               | -127.2       | 253.8                  | 212.9                   | 40.90                     | 6.206              |          |
| 5,900.0                                                          | 5,884.8               | 5,890.9               | 5,877.4               | 21.1             | 20.6          | -109.09               | 258.1                               | -127.3       | 260.2                  | 218.5                   | 41.65                     | 6.246              |          |
| 6,000.0                                                          | 5,983.8               | 5,989.4               | 5,975.5               | 21.5             | 21.0          | -110.06               | 266.7                               | -127.1       | 266.6                  | 224.2                   | 42.40                     | 6.287              |          |
| 6,100.0                                                          | 6,082.8               | 6,087.4               | 6,073.0               | 21.9             | 21.4          | -110.68               | 276.9                               | -127.4       | 273.8                  | 230.7                   | 43.15                     | 6.346              |          |
| 6,200.0                                                          | 6,181.8               | 6,187.3               | 6,172.3               | 22.3             | 21.7          | -111.21               | 287.6                               | -127.8       | 281.3                  | 237.4                   | 43.91                     | 6.406              |          |
| 6,300.0                                                          | 6,280.9               | 6,288.2               | 6,272.6               | 22.7             | 22.1          | -111.70               | 298.4                               | -127.9       | 288.6                  | 243.9                   | 44.68                     | 6.458              |          |
| 6,400.0                                                          | 6,379.9               | 6,389.3               | 6,373.1               | 23.1             | 22.5          | -112.26               | 308.8                               | -127.7       | 295.4                  | 249.9                   | 45.46                     | 6.498              |          |
| 6,500.0                                                          | 6,478.9               | 6,489.3               | 6,472.6               | 23.5             | 22.9          | -112.82               | 318.8                               | -127.2       | 301.9                  | 255.7                   | 46.22                     | 6.531              |          |
| 6,600.0                                                          | 6,577.9               | 6,588.9               | 6,571.8               | 23.9             | 23.3          | -113.39               | 328.6                               | -126.7       | 308.4                  | 261.5                   | 46.98                     | 6.565              |          |
| 6,700.0                                                          | 6,677.0               | 6,690.5               | 6,672.9               | 24.2             | 23.6          | -113.97               | 338.4                               | -126.0       | 314.8                  | 267.1                   | 47.76                     | 6.592              |          |
| 6,800.0                                                          | 6,776.0               | 6,790.3               | 6,772.3               | 24.6             | 24.0          | -114.57               | 347.7                               | -125.0       | 320.8                  | 272.3                   | 48.52                     | 6.613              |          |
| 6,900.0                                                          | 6,875.0               | 6,889.7               | 6,871.2               | 25.0             | 24.4          | -115.19               | 356.8                               | -124.1       | 327.0                  | 277.7                   | 49.28                     | 6.635              |          |
| 7,000.0                                                          | 6,974.0               | 6,990.6               | 6,971.7               | 25.4             | 24.8          | -115.84               | 365.6                               | -123.1       | 333.0                  | 283.0                   | 50.05                     | 6.655              |          |
| 7,100.0                                                          | 7,073.1               | 7,088.6               | 7,069.5               | 25.8             | 25.1          | -116.60               | 373.4                               | -122.3       | 339.2                  | 288.4                   | 50.79                     | 6.679              |          |
| 7,192.6                                                          | 7,164.8               | 7,180.0               | 7,160.6               | 26.2             | 25.5          | -117.48               | 379.5                               | -122.0       | 345.4                  | 293.9                   | 51.48                     | 6.708              |          |
| 7,200.0                                                          | 7,172.1               | 7,187.3               | 7,167.9               | 26.2             | 25.5          | -117.56               | 379.9                               | -122.0       | 345.9                  | 294.3                   | 51.54                     | 6.711              |          |
| 7,300.0                                                          | 7,271.3               | 7,286.7               | 7,267.2               | 26.6             | 25.9          | -118.59               | 385.1                               | -121.9       | 352.1                  | 299.8                   | 52.28                     | 6.735              |          |
| 7,400.0                                                          | 7,370.8               | 7,385.5               | 7,365.9               | 27.0             | 26.2          | -119.32               | 389.5                               | -122.2       | 357.3                  | 304.3                   | 53.00                     | 6.741              |          |
| 7,500.0                                                          | 7,470.6               | 7,486.2               | 7,466.5               | 27.4             | 26.6          | -119.68               | 394.0                               | -122.3       | 361.2                  | 307.5                   | 53.74                     | 6.722              |          |
| 7,600.0                                                          | 7,570.5               | 7,584.7               | 7,564.9               | 27.7             | 27.0          | -119.66               | 398.3                               | -122.7       | 364.1                  | 309.6                   | 54.45                     | 6.686              |          |
| 7,700.0                                                          | 7,670.4               | 7,684.3               | 7,664.4               | 28.1             | 27.3          | -119.33               | 402.3                               | -123.2       | 365.8                  | 310.6                   | 55.17                     | 6.631              |          |
| 7,726.0                                                          | 7,696.4               | 7,710.1               | 7,690.2               | 28.2             | 27.4          | -86.96                | 403.2                               | -123.4       | 366.1                  | 310.7                   | 55.35                     | 6.614              |          |
| 7,800.0                                                          | 7,770.4               | 7,778.7               | 7,758.7               | 28.4             | 27.6          | -86.68                | 405.0                               | -124.1       | 367.0                  | 311.2                   | 55.83                     | 6.574              |          |
| 7,900.0                                                          | 7,870.4               | 7,857.9               | 7,837.8               | 28.8             | 27.9          | -87.24                | 401.6                               | -127.9       | 371.7                  | 315.4                   | 56.24                     | 6.608              |          |
| 8,000.0                                                          | 7,970.4               | 7,919.0               | 7,897.1               | 29.1             | 28.1          | -89.05                | 390.1                               | -136.3       | 385.0                  | 329.0                   | 55.95                     | 6.881              |          |
| 8,100.0                                                          | 8,070.4               | 7,983.4               | 7,956.6               | 29.5             | 28.2          | -92.00                | 370.0                               | -150.1       | 407.8                  | 352.6                   | 55.23                     | 7.384              |          |
| 8,200.0                                                          | 8,170.4               | 8,053.7               | 8,018.8               | 29.8             | 28.3          | -95.69                | 342.9                               | -168.5       | 438.6                  | 384.1                   | 54.44                     | 8.056              |          |
| 8,278.6                                                          | 8,249.0               | 8,119.8               | 8,074.9               | 30.1             | 28.5          | -99.43                | 312.7                               | -186.0       | 466.5                  | 412.3                   | 54.16                     | 8.613              |          |
| 8,300.0                                                          | 8,270.4               | 8,138.1               | 8,090.0               | 30.2             | 28.5          | 87.74                 | 303.3                               | -190.5       | 474.4                  | 420.3                   | 54.07                     | 8.774              |          |
| 8,350.0                                                          | 8,320.3               | 8,176.6               | 8,121.0               | 30.3             | 28.5          | 83.64                 | 282.2                               | -199.4       | 493.5                  | 439.8                   | 53.69                     | 9.191              |          |
| 8,400.0                                                          | 8,369.5               | 8,212.8               | 8,149.1               | 30.4             | 28.6          | 79.91                 | 260.9                               | -207.4       | 513.2                  | 460.0                   | 53.20                     | 9.646              |          |
| 8,450.0                                                          | 8,417.9               | 8,248.3               | 8,176.1               | 30.6             | 28.7          | 76.55                 | 239.2                               | -215.4       | 533.2                  | 480.5                   | 52.72                     | 10.114             |          |
| 8,500.0                                                          | 8,465.0               | 8,284.2               | 8,202.6               | 30.7             | 28.7          | 73.57                 | 216.6                               | -223.6       | 553.4                  | 501.1                   | 52.30                     | 10.580             |          |
| 8,550.0                                                          | 8,510.4               | 8,321.7               | 8,229.8               | 30.8             | 28.8          | 70.96                 | 192.2                               | -232.4       | 573.1                  | 521.1                   | 52.01                     | 11.021             |          |
| 8,600.0                                                          | 8,553.8               | 8,358.6               | 8,255.9               | 30.9             | 28.9          | 68.77                 | 167.7                               | -241.1       | 592.3                  | 540.6                   | 51.76                     | 11.444             |          |
| 8,650.0                                                          | 8,595.0               | 8,392.4               | 8,279.2               | 30.9             | 28.9          | 66.94                 | 144.6                               | -249.3       | 610.9                  | 559.4                   | 51.49                     | 11.864             |          |
| 8,700.0                                                          | 8,633.5               | 8,426.0               | 8,301.3               | 31.0             | 29.0          | 65.38                 | 120.7                               | -257.6       | 629.0                  | 577.7                   | 51.29                     | 12.263             |          |
| 8,750.0                                                          | 8,669.0               | 8,452.9               | 8,318.2               | 31.1             | 29.1          | 63.98                 | 100.8                               | -264.4       | 646.6                  | 595.6                   | 50.97                     | 12.685             |          |
| 8,800.0                                                          | 8,701.4               | 8,487.6               | 8,338.9               | 31.1             | 29.2          | 62.90                 | 74.5                                | -273.4       | 663.6                  | 612.6                   | 51.02                     | 13.007             |          |
| 8,850.0                                                          | 8,730.3               | 8,529.6               | 8,363.2               | 31.1             | 29.3          | 62.24                 | 41.9                                | -284.0       | 679.3                  | 627.9                   | 51.41                     | 13.214             |          |
| 8,900.0                                                          | 8,755.6               | 8,566.1               | 8,382.4               | 31.2             | 29.4          | 61.62                 | 12.1                                | -292.3       | 693.8                  | 642.1                   | 51.68                     | 13.424             |          |
| 8,950.0                                                          | 8,777.0               | 8,661.3               | 8,421.2               | 31.2             | 29.7          | 61.57                 | -73.8                               | -303.8       | 706.0                  | 652.9                   | 53.02                     | 13.316             |          |
| 9,000.0                                                          | 8,794.4               | 8,726.1               | 8,440.5               | 31.3             | 29.9          | 61.03                 | -135.6                              | -302.3       | 712.7                  | 659.2                   | 53.46                     | 13.330             |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design Boros - Boros Federal #104H - Wellbore #1 - Actual |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 242-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  |          |
| 9,050.0                                                          | 8,807.6               | 8,760.0               | 8,448.6               | 31.4             | 30.0          | 60.65                 | -168.5                              | -300.5       | 717.6                  | 664.1                   | 53.56                     | 13.398             |          |
| 9,100.0                                                          | 8,816.6               | 8,787.5               | 8,453.8               | 31.5             | 30.1          | 60.41                 | -195.4                              | -299.0       | 721.8                  | 668.1                   | 53.72                     | 13.437             |          |
| 9,150.0                                                          | 8,821.2               | 8,813.1               | 8,457.4               | 31.7             | 30.1          | 60.29                 | -220.8                              | -297.9       | 725.6                  | 671.6                   | 53.99                     | 13.439             |          |
| 9,178.6                                                          | 8,822.0               | 8,827.8               | 8,459.0               | 31.8             | 30.2          | 60.27                 | -235.3                              | -297.4       | 727.5                  | 673.3                   | 54.20                     | 13.422             |          |
| 9,200.0                                                          | 8,822.0               | 8,855.0               | 8,460.8               | 31.8             | 30.3          | 60.55                 | -262.5                              | -296.7       | 729.3                  | 674.8                   | 54.44                     | 13.396             |          |
| 9,300.0                                                          | 8,822.0               | 8,927.0               | 8,463.1               | 32.2             | 30.5          | 61.05                 | -334.4                              | -294.6       | 736.2                  | 681.0                   | 55.27                     | 13.321             |          |
| 9,400.0                                                          | 8,822.0               | 9,036.6               | 8,464.3               | 32.6             | 31.0          | 61.36                 | -443.8                              | -289.0       | 739.9                  | 683.7                   | 56.19                     | 13.168             |          |
| 9,500.0                                                          | 8,822.0               | 9,153.3               | 8,463.6               | 33.1             | 31.6          | 61.22                 | -560.1                              | -279.6       | 738.7                  | 681.6                   | 57.12                     | 12.934             |          |
| 9,600.0                                                          | 8,822.0               | 9,262.1               | 8,461.8               | 33.7             | 32.3          | 60.71                 | -668.2                              | -267.8       | 732.5                  | 674.5                   | 58.03                     | 12.623             |          |
| 9,614.7                                                          | 8,822.0               | 9,275.8               | 8,461.6               | 33.8             | 32.3          | 60.63                 | -681.9                              | -266.2       | 731.3                  | 673.1                   | 58.16                     | 12.574             |          |
| 9,700.0                                                          | 8,822.0               | 9,355.8               | 8,460.8               | 34.3             | 32.9          | 60.27                 | -761.4                              | -257.9       | 724.4                  | 665.4                   | 58.98                     | 12.283             |          |
| 9,800.0                                                          | 8,822.0               | 9,452.4               | 8,461.1               | 35.0             | 33.6          | 59.97                 | -857.7                              | -249.2       | 717.0                  | 656.9                   | 60.12                     | 11.925             |          |
| 9,900.0                                                          | 8,822.0               | 9,549.8               | 8,461.4               | 35.7             | 34.4          | 59.66                 | -954.7                              | -240.5       | 709.6                  | 648.3                   | 61.37                     | 11.563             |          |
| 10,000.0                                                         | 8,822.0               | 9,636.5               | 8,462.5               | 36.5             | 35.1          | 59.51                 | -1,041.2                            | -234.5       | 703.6                  | 640.9                   | 62.72                     | 11.218             |          |
| 10,100.0                                                         | 8,822.0               | 9,726.4               | 8,464.9               | 37.4             | 35.9          | 59.56                 | -1,131.0                            | -230.9       | 699.3                  | 635.0                   | 64.29                     | 10.877             |          |
| 10,200.0                                                         | 8,822.0               | 9,819.4               | 8,467.8               | 38.3             | 36.8          | 59.69                 | -1,223.9                            | -228.6       | 696.1                  | 630.1                   | 66.01                     | 10.545             |          |
| 10,300.0                                                         | 8,822.0               | 9,911.3               | 8,469.6               | 39.2             | 37.8          | 59.78                 | -1,315.8                            | -226.9       | 694.0                  | 626.3                   | 67.78                     | 10.240             |          |
| 10,400.0                                                         | 8,822.0               | 10,017.9              | 8,470.8               | 40.2             | 38.9          | 59.77                 | -1,422.3                            | -224.1       | 691.8                  | 622.1                   | 69.72                     | 9.923              |          |
| 10,500.0                                                         | 8,822.0               | 10,101.5              | 8,473.2               | 41.2             | 39.8          | 59.96                 | -1,505.8                            | -223.8       | 690.5                  | 618.9                   | 71.60                     | 9.644              |          |
| 10,526.0                                                         | 8,822.0               | 10,127.0              | 8,474.3               | 41.5             | 40.1          | 60.06                 | -1,531.3                            | -224.3       | 690.5                  | 618.3                   | 72.18                     | 9.567              |          |
| 10,600.0                                                         | 8,822.0               | 10,199.4              | 8,477.1               | 42.3             | 40.9          | 60.33                 | -1,603.7                            | -225.5       | 690.6                  | 616.8                   | 73.80                     | 9.357              |          |
| 10,700.0                                                         | 8,822.0               | 10,296.3              | 8,479.9               | 43.4             | 42.0          | 60.61                 | -1,700.5                            | -227.0       | 691.1                  | 615.0                   | 76.01                     | 9.092              |          |
| 10,800.0                                                         | 8,822.0               | 10,391.8              | 8,480.8               | 44.6             | 43.2          | 60.74                 | -1,796.0                            | -228.0       | 692.1                  | 613.9                   | 78.17                     | 8.854              |          |
| 10,900.0                                                         | 8,822.0               | 10,491.7              | 8,479.6               | 45.8             | 44.4          | 60.70                 | -1,895.9                            | -228.3       | 693.5                  | 613.2                   | 80.33                     | 8.633              |          |
| 11,000.0                                                         | 8,822.0               | 10,596.5              | 8,476.6               | 47.0             | 45.7          | 60.46                 | -2,000.6                            | -227.2       | 694.4                  | 612.0                   | 82.48                     | 8.419              |          |
| 11,100.0                                                         | 8,822.0               | 10,702.9              | 8,471.0               | 48.2             | 47.1          | 59.96                 | -2,106.9                            | -224.0       | 695.0                  | 610.5                   | 84.53                     | 8.222              |          |
| 11,200.0                                                         | 8,822.0               | 10,829.0              | 8,467.0               | 49.4             | 48.7          | 59.45                 | -2,232.7                            | -217.8       | 692.9                  | 606.0                   | 86.83                     | 7.980              |          |
| 11,300.0                                                         | 8,822.0               | 10,917.7              | 8,469.3               | 50.7             | 49.9          | 59.50                 | -2,321.3                            | -214.5       | 689.0                  | 599.9                   | 89.09                     | 7.733              |          |
| 11,400.0                                                         | 8,822.0               | 11,009.0              | 8,471.4               | 52.0             | 51.1          | 59.65                 | -2,412.6                            | -214.1       | 688.0                  | 596.5                   | 91.48                     | 7.520              |          |
| 11,500.0                                                         | 8,822.0               | 11,114.0              | 8,473.4               | 53.3             | 52.5          | 59.77                 | -2,517.6                            | -212.6       | 686.3                  | 592.2                   | 94.05                     | 7.297              |          |
| 11,589.4                                                         | 8,822.0               | 11,191.1              | 8,475.8               | 54.5             | 53.6          | 59.94                 | -2,594.6                            | -212.3       | 685.2                  | 589.0                   | 96.21                     | 7.122              |          |
| 11,600.0                                                         | 8,822.0               | 11,199.2              | 8,476.0               | 54.7             | 53.7          | 59.97                 | -2,602.7                            | -212.4       | 685.2                  | 588.7                   | 96.45                     | 7.104              |          |
| 11,700.0                                                         | 8,822.0               | 11,282.8              | 8,477.9               | 56.0             | 54.8          | 60.22                 | -2,686.2                            | -214.9       | 687.1                  | 588.2                   | 98.86                     | 6.950              |          |
| 11,800.0                                                         | 8,822.0               | 11,395.8              | 8,478.3               | 57.4             | 56.4          | 60.40                 | -2,799.2                            | -217.7       | 689.7                  | 588.0                   | 101.71                    | 6.781              |          |
| 11,900.0                                                         | 8,822.0               | 11,523.0              | 8,482.0               | 58.8             | 58.2          | 60.67                 | -2,926.4                            | -217.0       | 688.3                  | 583.4                   | 104.83                    | 6.566              |          |
| 12,000.0                                                         | 8,822.0               | 11,610.7              | 8,485.4               | 60.1             | 59.5          | 60.90                 | -3,014.0                            | -216.0       | 685.9                  | 578.5                   | 107.42                    | 6.385              |          |
| 12,100.0                                                         | 8,822.0               | 11,731.9              | 8,491.8               | 61.6             | 61.2          | 61.38                 | -3,135.0                            | -215.4       | 683.5                  | 572.9                   | 110.64                    | 6.178              |          |
| 12,194.5                                                         | 8,822.0               | 11,796.7              | 8,494.8               | 62.9             | 62.2          | 61.62                 | -3,199.7                            | -215.6       | 682.0                  | 569.0                   | 112.94                    | 6.038              |          |
| 12,200.0                                                         | 8,822.0               | 11,800.9              | 8,494.9               | 63.0             | 62.2          | 61.63                 | -3,203.9                            | -215.6       | 682.0                  | 568.9                   | 113.08                    | 6.031              |          |
| 12,300.0                                                         | 8,822.0               | 11,888.8              | 8,496.9               | 64.4             | 63.5          | 61.87                 | -3,291.8                            | -217.3       | 683.2                  | 567.5                   | 115.70                    | 5.905              |          |
| 12,400.0                                                         | 8,822.0               | 11,981.0              | 8,496.6               | 65.8             | 64.9          | 61.94                 | -3,383.9                            | -219.3       | 685.7                  | 567.5                   | 118.27                    | 5.798              |          |
| 12,500.0                                                         | 8,822.0               | 12,065.5              | 8,494.3               | 67.3             | 66.1          | 61.88                 | -3,468.4                            | -221.5       | 689.9                  | 569.3                   | 120.57                    | 5.722              |          |
| 12,600.0                                                         | 8,822.0               | 12,191.7              | 8,489.9               | 68.7             | 68.0          | 61.70                 | -3,594.4                            | -224.3       | 694.3                  | 570.6                   | 123.62                    | 5.616              |          |
| 12,700.0                                                         | 8,822.0               | 12,309.2              | 8,490.0               | 70.2             | 69.7          | 61.76                 | -3,712.0                            | -224.8       | 695.2                  | 568.6                   | 126.65                    | 5.489              |          |
| 12,800.0                                                         | 8,822.0               | 12,433.8              | 8,496.1               | 71.7             | 71.6          | 62.14                 | -3,836.4                            | -222.5       | 691.7                  | 561.7                   | 130.00                    | 5.321              |          |
| 12,900.0                                                         | 8,822.0               | 12,529.5              | 8,500.8               | 73.2             | 73.0          | 62.40                 | -3,931.9                            | -219.6       | 687.3                  | 554.4                   | 132.94                    | 5.170              |          |
| 13,000.0                                                         | 8,822.0               | 12,614.0              | 8,503.1               | 74.7             | 74.3          | 62.51                 | -4,016.3                            | -217.5       | 684.4                  | 548.8                   | 135.61                    | 5.047              |          |
| 13,100.0                                                         | 8,822.0               | 12,721.8              | 8,503.9               | 76.2             | 76.0          | 62.53                 | -4,124.1                            | -215.8       | 683.2                  | 544.7                   | 138.50                    | 4.933              |          |
| 13,200.0                                                         | 8,822.0               | 12,828.1              | 8,507.9               | 77.7             | 77.6          | 62.74                 | -4,230.4                            | -212.7       | 679.5                  | 537.9                   | 141.54                    | 4.801              |          |
| 13,300.0                                                         | 8,822.0               | 12,922.8              | 8,510.3               | 79.2             | 79.0          | 62.83                 | -4,324.9                            | -209.8       | 676.1                  | 531.8                   | 144.37                    | 4.683              |          |
| 13,400.0                                                         | 8,822.0               | 13,026.5              | 8,512.1               | 80.7             | 80.6          | 62.86                 | -4,428.6                            | -206.5       | 673.1                  | 525.9                   | 147.24                    | 4.571              |          |
| 13,500.0                                                         | 8,822.0               | 13,120.4              | 8,512.8               | 82.2             | 82.1          | 62.80                 | -4,522.4                            | -203.0       | 670.0                  | 520.0                   | 149.93                    | 4.468              |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design Boros - Boros Federal #104H - Wellbore #1 - Actual |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 242-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  |          |
| 13,580.4                                                         | 8,822.0               | 13,183.6              | 8,512.2               | 83.4             | 83.0          | 62.70                 | -4,585.6                            | -201.2       | 668.8                  | 517.0                   | 151.85                    | 4.404              |          |
| 13,600.0                                                         | 8,822.0               | 13,198.4              | 8,512.0               | 83.7             | 83.3          | 62.68                 | -4,600.3                            | -201.1       | 668.9                  | 516.6                   | 152.30                    | 4.392              |          |
| 13,700.0                                                         | 8,822.0               | 13,286.7              | 8,509.7               | 85.2             | 84.6          | 62.54                 | -4,688.6                            | -201.4       | 670.9                  | 516.1                   | 154.75                    | 4.335              |          |
| 13,800.0                                                         | 8,822.0               | 13,384.7              | 8,506.4               | 86.8             | 86.2          | 62.34                 | -4,786.6                            | -202.0       | 673.5                  | 516.2                   | 157.31                    | 4.281              |          |
| 13,900.0                                                         | 8,822.0               | 13,489.2              | 8,504.9               | 88.3             | 87.8          | 62.32                 | -4,891.0                            | -203.6       | 676.1                  | 515.9                   | 160.21                    | 4.220              |          |
| 14,000.0                                                         | 8,822.0               | 13,595.1              | 8,503.4               | 89.9             | 89.4          | 62.25                 | -4,996.9                            | -204.1       | 677.7                  | 514.6                   | 163.08                    | 4.156              |          |
| 14,100.0                                                         | 8,822.0               | 13,680.9              | 8,500.8               | 91.4             | 90.8          | 62.07                 | -5,082.7                            | -204.1       | 679.7                  | 514.3                   | 165.42                    | 4.109              |          |
| 14,200.0                                                         | 8,822.0               | 13,776.9              | 8,496.0               | 92.9             | 92.3          | 61.79                 | -5,178.6                            | -205.3       | 683.7                  | 515.9                   | 167.84                    | 4.074              |          |
| 14,300.0                                                         | 8,822.0               | 13,872.9              | 8,492.0               | 94.5             | 93.8          | 61.58                 | -5,274.5                            | -206.9       | 687.7                  | 517.4                   | 170.33                    | 4.038              |          |
| 14,400.0                                                         | 8,822.0               | 13,997.8              | 8,488.9               | 96.0             | 95.7          | 61.47                 | -5,399.3                            | -209.1       | 691.1                  | 517.6                   | 173.58                    | 3.982              |          |
| 14,500.0                                                         | 8,822.0               | 14,088.9              | 8,488.1               | 97.6             | 97.1          | 61.46                 | -5,490.4                            | -209.7       | 692.7                  | 516.4                   | 176.24                    | 3.930              |          |
| 14,600.0                                                         | 8,822.0               | 14,185.3              | 8,485.5               | 99.2             | 98.7          | 61.32                 | -5,586.8                            | -210.3       | 695.1                  | 516.3                   | 178.84                    | 3.887              |          |
| 14,700.0                                                         | 8,822.0               | 14,317.1              | 8,482.6               | 100.7            | 100.7         | 61.08                 | -5,718.5                            | -208.7       | 695.7                  | 513.8                   | 181.94                    | 3.824              |          |
| 14,800.0                                                         | 8,822.0               | 14,431.7              | 8,481.6               | 102.3            | 102.5         | 60.79                 | -5,832.9                            | -202.7       | 691.9                  | 507.4                   | 184.56                    | 3.749              |          |
| 14,900.0                                                         | 8,822.0               | 14,520.4              | 8,481.7               | 103.9            | 104.0         | 60.67                 | -5,921.5                            | -198.7       | 688.6                  | 501.4                   | 187.15                    | 3.679              |          |
| 15,000.0                                                         | 8,822.0               | 14,609.0              | 8,482.7               | 105.4            | 105.4         | 60.70                 | -6,010.1                            | -197.4       | 687.2                  | 497.3                   | 189.90                    | 3.619              |          |
| 15,100.0                                                         | 8,822.0               | 14,706.7              | 8,483.6               | 107.0            | 106.9         | 60.77                 | -6,107.8                            | -196.8       | 686.8                  | 494.0                   | 192.82                    | 3.562              |          |
| 15,200.0                                                         | 8,822.0               | 14,814.5              | 8,483.3               | 108.6            | 108.6         | 60.71                 | -6,215.6                            | -195.1       | 686.1                  | 490.4                   | 195.71                    | 3.506              |          |
| 15,300.0                                                         | 8,822.0               | 14,969.9              | 8,487.6               | 110.2            | 111.1         | 60.76                 | -6,370.7                            | -187.9       | 681.6                  | 482.8                   | 198.79                    | 3.429              |          |
| 15,400.0                                                         | 8,822.0               | 15,042.7              | 8,493.5               | 111.7            | 112.3         | 61.11                 | -6,443.2                            | -185.1       | 674.6                  | 472.4                   | 202.24                    | 3.336              |          |
| 15,500.0                                                         | 8,822.0               | 15,119.8              | 8,499.3               | 113.3            | 113.5         | 61.53                 | -6,520.1                            | -184.3       | 670.7                  | 465.1                   | 205.57                    | 3.262              |          |
| 15,600.0                                                         | 8,822.0               | 15,211.9              | 8,502.7               | 114.9            | 115.0         | 61.80                 | -6,612.1                            | -184.3       | 669.4                  | 460.7                   | 208.76                    | 3.207              |          |
| 15,678.2                                                         | 8,822.0               | 15,283.2              | 8,504.6               | 116.1            | 116.1         | 61.96                 | -6,683.4                            | -184.2       | 668.9                  | 457.7                   | 211.14                    | 3.168              |          |
| 15,700.0                                                         | 8,822.0               | 15,301.8              | 8,505.0               | 116.5            | 116.4         | 62.00                 | -6,702.0                            | -184.4       | 668.9                  | 457.1                   | 211.77                    | 3.159              |          |
| 15,800.0                                                         | 8,822.0               | 15,385.1              | 8,506.0               | 118.1            | 117.7         | 62.16                 | -6,785.2                            | -185.9       | 670.6                  | 456.0                   | 214.53                    | 3.126              |          |
| 15,900.0                                                         | 8,822.0               | 15,480.7              | 8,505.6               | 119.7            | 119.2         | 62.29                 | -6,880.8                            | -189.4       | 674.5                  | 457.0                   | 217.50                    | 3.101              |          |
| 16,000.0                                                         | 8,822.0               | 15,595.9              | 8,506.0               | 121.3            | 121.1         | 62.46                 | -6,996.0                            | -192.1       | 676.9                  | 455.9                   | 221.03                    | 3.063              |          |
| 16,100.0                                                         | 8,822.0               | 15,712.8              | 8,507.8               | 122.8            | 123.0         | 62.63                 | -7,112.8                            | -192.5       | 677.1                  | 452.6                   | 224.51                    | 3.016              |          |
| 16,147.6                                                         | 8,822.0               | 15,752.8              | 8,508.6               | 123.6            | 123.6         | 62.70                 | -7,152.8                            | -192.3       | 676.7                  | 450.9                   | 225.88                    | 2.996              |          |
| 16,200.0                                                         | 8,822.0               | 15,794.1              | 8,508.9               | 124.4            | 124.3         | 62.74                 | -7,194.2                            | -192.6       | 677.2                  | 449.9                   | 227.26                    | 2.980              |          |
| 16,300.0                                                         | 8,822.0               | 15,872.1              | 8,507.9               | 126.0            | 125.5         | 62.76                 | -7,272.1                            | -194.5       | 680.4                  | 450.8                   | 229.62                    | 2.963              |          |
| 16,400.0                                                         | 8,822.0               | 15,955.5              | 8,504.7               | 127.6            | 126.8         | 62.68                 | -7,355.3                            | -198.2       | 686.7                  | 454.9                   | 231.82                    | 2.962              |          |
| 16,500.0                                                         | 8,822.0               | 16,054.7              | 8,498.7               | 129.2            | 128.4         | 62.45                 | -7,454.2                            | -203.1       | 694.4                  | 460.0                   | 234.36                    | 2.963              |          |
| 16,600.0                                                         | 8,822.0               | 16,152.0              | 8,493.9               | 130.8            | 130.0         | 62.30                 | -7,551.3                            | -207.7       | 701.4                  | 464.5                   | 236.93                    | 2.961              |          |
| 16,700.0                                                         | 8,822.0               | 16,269.0              | 8,488.5               | 132.4            | 131.8         | 62.18                 | -7,668.0                            | -214.1       | 709.1                  | 468.8                   | 240.29                    | 2.951              |          |
| 16,800.0                                                         | 8,822.0               | 16,372.2              | 8,486.7               | 134.0            | 133.5         | 62.21                 | -7,771.2                            | -217.7       | 713.6                  | 470.2                   | 243.36                    | 2.932              |          |
| 16,900.0                                                         | 8,822.0               | 16,482.4              | 8,484.5               | 135.6            | 135.2         | 62.21                 | -7,881.3                            | -221.1       | 717.9                  | 471.3                   | 246.58                    | 2.911              |          |
| 17,000.0                                                         | 8,822.0               | 16,595.0              | 8,483.1               | 137.2            | 137.0         | 62.22                 | -7,993.8                            | -223.3       | 720.7                  | 470.9                   | 249.84                    | 2.885              |          |
| 17,100.0                                                         | 8,822.0               | 16,739.7              | 8,483.8               | 138.8            | 139.4         | 62.13                 | -8,138.4                            | -218.6       | 717.7                  | 464.5                   | 253.13                    | 2.835              |          |
| 17,200.0                                                         | 8,822.0               | 16,843.0              | 8,484.2               | 140.4            | 141.1         | 61.95                 | -8,241.5                            | -212.4       | 712.8                  | 457.0                   | 255.77                    | 2.787              |          |
| 17,300.0                                                         | 8,822.0               | 16,947.1              | 8,486.9               | 142.0            | 142.7         | 61.95                 | -8,345.4                            | -206.9       | 707.4                  | 448.7                   | 258.72                    | 2.734              |          |
| 17,400.0                                                         | 8,822.0               | 17,046.5              | 8,491.3               | 143.7            | 144.4         | 62.11                 | -8,444.6                            | -202.2       | 701.7                  | 439.8                   | 261.94                    | 2.679              |          |
| 17,500.0                                                         | 8,822.0               | 17,130.2              | 8,494.2               | 145.3            | 145.7         | 62.21                 | -8,528.2                            | -198.8       | 697.1                  | 432.1                   | 265.04                    | 2.630              |          |
| 17,600.0                                                         | 8,822.0               | 17,230.5              | 8,494.7               | 146.9            | 147.4         | 62.14                 | -8,628.4                            | -195.2       | 694.2                  | 426.4                   | 267.86                    | 2.592              |          |
| 17,700.0                                                         | 8,822.0               | 17,325.6              | 8,494.3               | 148.5            | 148.9         | 61.96                 | -8,723.5                            | -190.9       | 691.0                  | 420.6                   | 270.46                    | 2.555              |          |
| 17,800.0                                                         | 8,822.0               | 17,414.0              | 8,492.4               | 150.1            | 150.3         | 61.71                 | -8,811.7                            | -187.5       | 689.2                  | 416.4                   | 272.82                    | 2.526              |          |
| 17,900.0                                                         | 8,822.0               | 17,512.4              | 8,488.4               | 151.7            | 151.9         | 61.30                 | -8,910.1                            | -184.1       | 688.6                  | 413.6                   | 274.98                    | 2.504              |          |
| 18,000.0                                                         | 8,822.0               | 17,617.7              | 8,484.0               | 153.3            | 153.6         | 60.84                 | -9,015.1                            | -179.7       | 687.6                  | 410.5                   | 277.08                    | 2.481              |          |
| 18,100.0                                                         | 8,822.0               | 17,714.8              | 8,482.0               | 154.9            | 155.2         | 60.58                 | -9,112.1                            | -176.5       | 686.2                  | 406.8                   | 279.47                    | 2.455              |          |
| 18,200.0                                                         | 8,822.0               | 17,815.9              | 8,482.0               | 156.5            | 156.9         | 60.54                 | -9,213.2                            | -174.7       | 685.2                  | 402.9                   | 282.33                    | 2.427              |          |
| 18,300.0                                                         | 8,822.0               | 17,911.9              | 8,483.2               | 158.2            | 158.4         | 60.61                 | -9,309.2                            | -173.7       | 684.3                  | 398.9                   | 285.33                    | 2.398              |          |
| 18,400.0                                                         | 8,822.0               | 18,012.6              | 8,484.1               | 159.8            | 160.1         | 60.67                 | -9,409.9                            | -172.9       | 683.6                  | 395.3                   | 288.38                    | 2.371              |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| <b>Offset Design</b> Boros - Boros Federal #104H - Wellbore #1 - Actual |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | <b>Offset Site Error:</b> | 0.0 usft |
|-------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|----------|
| Survey Program: 242-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  |
| 18,465.6                                                                | 8,822.0               | 18,073.4              | 8,484.4               | 160.8            | 161.0         | 60.68                 | -9,470.7                            | -172.4       | 683.4                  | 393.1                   | 290.26                    | 2.354                     |          |
| 18,500.0                                                                | 8,822.0               | 18,105.1              | 8,484.4               | 161.4            | 161.6         | 60.69                 | -9,502.4                            | -172.3       | 683.5                  | 392.2                   | 291.23                    | 2.347                     |          |
| 18,600.0                                                                | 8,822.0               | 18,220.0              | 8,485.5               | 163.0            | 163.4         | 60.76                 | -9,617.3                            | -171.4       | 682.9                  | 388.4                   | 294.52                    | 2.319                     |          |
| 18,700.0                                                                | 8,822.0               | 18,316.8              | 8,486.6               | 164.6            | 165.0         | 60.81                 | -9,714.0                            | -169.9       | 681.5                  | 384.0                   | 297.51                    | 2.291                     |          |
| 18,800.0                                                                | 8,822.0               | 18,418.9              | 8,487.2               | 166.2            | 166.7         | 60.81                 | -9,816.1                            | -168.2       | 680.3                  | 379.8                   | 300.47                    | 2.264                     |          |
| 18,900.0                                                                | 8,822.0               | 18,533.1              | 8,487.5               | 167.9            | 168.5         | 60.67                 | -9,930.3                            | -163.8       | 677.3                  | 374.1                   | 303.20                    | 2.234                     |          |
| 19,000.0                                                                | 8,822.0               | 18,639.8              | 8,486.6               | 169.5            | 170.3         | 60.38                 | -10,036.8                           | -157.6       | 673.2                  | 367.7                   | 305.50                    | 2.204                     |          |
| 19,100.0                                                                | 8,822.0               | 18,738.0              | 8,485.8               | 171.1            | 171.9         | 60.04                 | -10,134.7                           | -150.6       | 668.0                  | 360.3                   | 307.70                    | 2.171                     |          |
| 19,129.8                                                                | 8,822.0               | 18,738.0              | 8,485.8               | 171.6            | 171.9         | 60.04                 | -10,134.7                           | -150.6       | 667.4                  | 359.0                   | 308.34                    | 2.164                     |          |
| 19,129.9                                                                | 8,822.0               | 18,738.0              | 8,485.8               | 171.6            | 171.9         | 60.04                 | -10,134.7                           | -150.6       | 667.4                  | 359.0                   | 308.34                    | 2.164 SF                  |          |

# Anticollision Report

|                           |                            |                                     |                          |
|---------------------------|----------------------------|-------------------------------------|--------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design Boros - Boros Federal #114H - 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  |          |
| 0.0                                                                   | 0.0                   | 0.0                   | 0.0                   | 0.0              | 0.0           | -0.53                 | 31.3                                | -0.3         | 31.3                   |                         |                           |                    |          |
| 100.0                                                                 | 100.0                 | 100.0                 | 100.0                 | 0.1              | 0.1           | -0.53                 | 31.3                                | -0.3         | 31.3                   | 31.1                    | 0.26                      | 122.208            |          |
| 200.0                                                                 | 200.0                 | 200.0                 | 200.0                 | 0.5              | 0.5           | -0.53                 | 31.3                                | -0.3         | 31.3                   | 30.3                    | 0.97                      | 32.184             |          |
| 300.0                                                                 | 300.0                 | 300.0                 | 300.0                 | 0.8              | 0.8           | -0.53                 | 31.3                                | -0.3         | 31.3                   | 29.6                    | 1.69                      | 18.532             |          |
| 400.0                                                                 | 400.0                 | 400.0                 | 400.0                 | 1.2              | 1.2           | -0.53                 | 31.3                                | -0.3         | 31.3                   | 28.9                    | 2.41                      | 13.012             |          |
| 500.0                                                                 | 500.0                 | 500.0                 | 500.0                 | 1.6              | 1.6           | -0.53                 | 31.3                                | -0.3         | 31.3                   | 28.2                    | 3.12                      | 10.026 CC, ES      |          |
| 600.0                                                                 | 600.0                 | 599.5                 | 599.4                 | 1.9              | 1.9           | -0.79                 | 32.2                                | -0.4         | 32.2                   | 28.3                    | 3.84                      | 8.379              |          |
| 700.0                                                                 | 700.0                 | 698.8                 | 698.8                 | 2.3              | 2.3           | -1.49                 | 34.7                                | -0.9         | 34.7                   | 30.2                    | 4.56                      | 7.625              |          |
| 800.0                                                                 | 800.0                 | 798.1                 | 798.0                 | 2.6              | 2.6           | -2.44                 | 39.0                                | -1.7         | 39.0                   | 33.8                    | 5.27                      | 7.403              |          |
| 900.0                                                                 | 900.0                 | 897.2                 | 896.9                 | 3.0              | 3.0           | -3.48                 | 44.9                                | -2.7         | 45.1                   | 39.1                    | 5.99                      | 7.525              |          |
| 1,000.0                                                               | 1,000.0               | 996.1                 | 995.5                 | 3.4              | 3.4           | -4.46                 | 52.4                                | -4.1         | 52.8                   | 46.1                    | 6.70                      | 7.882              |          |
| 1,100.0                                                               | 1,100.0               | 1,094.6               | 1,093.6               | 3.7              | 3.7           | -5.32                 | 61.7                                | -5.7         | 62.3                   | 54.9                    | 7.41                      | 8.406              |          |
| 1,200.0                                                               | 1,200.0               | 1,192.9               | 1,191.2               | 4.1              | 4.1           | -6.05                 | 72.5                                | -7.7         | 73.4                   | 65.3                    | 8.11                      | 9.055              |          |
| 1,300.0                                                               | 1,300.0               | 1,309.5               | 1,288.0               | 4.4              | 4.5           | -6.66                 | 84.9                                | -9.9         | 86.3                   | 77.4                    | 8.88                      | 9.722              |          |
| 1,400.0                                                               | 1,400.0               | 1,389.5               | 1,386.1               | 4.8              | 4.8           | -7.15                 | 98.5                                | -12.4        | 100.2                  | 90.7                    | 9.52                      | 10.525             |          |
| 1,500.0                                                               | 1,500.0               | 1,488.6               | 1,484.1               | 5.1              | 5.2           | -7.52                 | 112.0                               | -14.8        | 114.1                  | 103.9                   | 10.24                     | 11.149             |          |
| 1,600.0                                                               | 1,600.0               | 1,587.6               | 1,582.2               | 5.5              | 5.6           | -7.81                 | 125.6                               | -17.2        | 128.0                  | 117.1                   | 10.95                     | 11.690             |          |
| 1,700.0                                                               | 1,700.0               | 1,686.6               | 1,680.3               | 5.9              | 6.0           | -8.04                 | 139.2                               | -19.7        | 141.9                  | 130.3                   | 11.67                     | 12.165             |          |
| 1,800.0                                                               | 1,800.0               | 1,785.6               | 1,778.3               | 6.2              | 6.4           | -8.24                 | 152.7                               | -22.1        | 155.8                  | 143.4                   | 12.38                     | 12.584             |          |
| 1,900.0                                                               | 1,900.0               | 1,884.7               | 1,876.4               | 6.6              | 6.8           | -8.40                 | 166.3                               | -24.5        | 169.7                  | 156.6                   | 13.10                     | 12.956             |          |
| 2,000.0                                                               | 2,000.0               | 1,983.7               | 1,974.5               | 6.9              | 7.2           | -8.53                 | 179.9                               | -27.0        | 183.7                  | 169.8                   | 13.82                     | 13.289             |          |
| 2,100.0                                                               | 2,100.0               | 2,082.7               | 2,072.5               | 7.3              | 7.6           | -8.65                 | 193.4                               | -29.4        | 197.6                  | 183.0                   | 14.54                     | 13.589             |          |
| 2,200.0                                                               | 2,200.0               | 2,181.8               | 2,170.6               | 7.7              | 8.0           | -8.75                 | 207.0                               | -31.9        | 211.5                  | 196.2                   | 15.26                     | 13.860             |          |
| 2,300.0                                                               | 2,300.0               | 2,280.8               | 2,268.6               | 8.0              | 8.4           | -8.84                 | 220.5                               | -34.3        | 225.4                  | 209.4                   | 15.98                     | 14.107             |          |
| 2,400.0                                                               | 2,400.0               | 2,379.8               | 2,366.7               | 8.4              | 8.8           | -8.92                 | 234.1                               | -36.7        | 239.3                  | 222.6                   | 16.70                     | 14.332             |          |
| 2,500.0                                                               | 2,500.0               | 2,478.8               | 2,464.8               | 8.7              | 9.3           | -8.99                 | 247.7                               | -39.2        | 253.2                  | 235.8                   | 17.42                     | 14.538             |          |
| 2,600.0                                                               | 2,600.0               | 2,577.9               | 2,562.8               | 9.1              | 9.7           | -9.05                 | 261.2                               | -41.6        | 267.1                  | 249.0                   | 18.14                     | 14.727             |          |
| 2,700.0                                                               | 2,700.0               | 2,676.9               | 2,660.9               | 9.4              | 10.1          | -9.11                 | 274.8                               | -44.0        | 281.0                  | 262.2                   | 18.86                     | 14.902             |          |
| 2,800.0                                                               | 2,800.0               | 2,775.9               | 2,759.0               | 9.8              | 10.5          | -9.16                 | 288.4                               | -46.5        | 295.0                  | 275.4                   | 19.58                     | 15.064             |          |
| 2,900.0                                                               | 2,900.0               | 2,874.9               | 2,857.0               | 10.2             | 10.9          | -9.20                 | 301.9                               | -48.9        | 308.9                  | 288.6                   | 20.30                     | 15.214             |          |
| 3,000.0                                                               | 3,000.0               | 2,974.0               | 2,955.1               | 10.5             | 11.3          | -9.25                 | 315.5                               | -51.4        | 322.8                  | 301.8                   | 21.02                     | 15.354             |          |
| 3,100.0                                                               | 3,100.0               | 3,073.0               | 3,053.1               | 10.9             | 11.7          | -9.28                 | 329.1                               | -53.8        | 336.7                  | 315.0                   | 21.74                     | 15.485             |          |
| 3,200.0                                                               | 3,200.0               | 3,172.0               | 3,151.2               | 11.2             | 12.1          | -9.32                 | 342.6                               | -56.2        | 350.6                  | 328.2                   | 22.47                     | 15.607             |          |
| 3,300.0                                                               | 3,300.0               | 3,281.1               | 3,259.4               | 11.6             | 12.6          | -9.35                 | 356.2                               | -58.7        | 363.2                  | 340.0                   | 23.27                     | 15.611             |          |
| 3,400.0                                                               | 3,400.0               | 3,391.2               | 3,369.0               | 12.0             | 13.0          | -9.38                 | 366.7                               | -60.6        | 373.0                  | 348.9                   | 24.06                     | 15.504             |          |
| 3,500.0                                                               | 3,500.0               | 3,501.9               | 3,479.4               | 12.3             | 13.4          | -9.39                 | 374.2                               | -61.9        | 379.9                  | 355.0                   | 24.82                     | 15.301             |          |
| 3,600.0                                                               | 3,600.0               | 3,612.9               | 3,590.3               | 12.7             | 13.8          | -9.40                 | 378.6                               | -62.7        | 383.8                  | 358.3                   | 25.57                     | 15.011             |          |
| 3,700.0                                                               | 3,700.0               | 3,724.1               | 3,701.5               | 13.0             | 14.1          | -9.41                 | 379.7                               | -62.9        | 384.9                  | 358.6                   | 26.29                     | 14.640             |          |
| 3,729.4                                                               | 3,729.4               | 3,752.0               | 3,729.4               | 13.1             | 14.2          | -9.41                 | 379.8                               | -62.9        | 384.9                  | 358.4                   | 26.50                     | 14.526             |          |
| 3,800.0                                                               | 3,800.0               | 3,822.6               | 3,800.0               | 13.4             | 14.5          | -9.41                 | 379.8                               | -62.9        | 384.9                  | 357.9                   | 27.00                     | 14.257             |          |
| 3,900.0                                                               | 3,900.0               | 3,922.6               | 3,900.0               | 13.7             | 14.8          | -41.75                | 379.8                               | -62.9        | 384.3                  | 356.6                   | 27.71                     | 13.870             |          |
| 4,000.0                                                               | 4,000.0               | 4,022.5               | 4,000.0               | 14.1             | 15.1          | -42.02                | 379.8                               | -62.9        | 382.3                  | 353.9                   | 28.41                     | 13.456             |          |
| 4,100.0                                                               | 4,099.9               | 4,122.4               | 4,099.9               | 14.5             | 15.5          | -42.48                | 379.8                               | -62.9        | 379.1                  | 350.0                   | 29.12                     | 13.019             |          |
| 4,200.0                                                               | 4,199.7               | 4,222.3               | 4,199.7               | 14.8             | 15.8          | -43.14                | 379.8                               | -62.9        | 374.6                  | 344.8                   | 29.83                     | 12.560             |          |
| 4,300.0                                                               | 4,299.4               | 4,321.9               | 4,299.4               | 15.2             | 16.1          | -44.02                | 379.8                               | -62.9        | 368.9                  | 338.4                   | 30.53                     | 12.082             |          |
| 4,400.0                                                               | 4,398.9               | 4,421.5               | 4,398.9               | 15.5             | 16.5          | -45.12                | 379.8                               | -62.9        | 362.1                  | 330.8                   | 31.24                     | 11.590             |          |
| 4,500.0                                                               | 4,498.3               | 4,520.8               | 4,498.3               | 15.9             | 16.8          | -46.47                | 379.8                               | -62.9        | 354.2                  | 322.2                   | 31.95                     | 11.085             |          |
| 4,600.0                                                               | 4,597.4               | 4,620.0               | 4,597.4               | 16.2             | 17.1          | -48.10                | 379.8                               | -62.9        | 345.3                  | 312.6                   | 32.66                     | 10.571             |          |
| 4,700.0                                                               | 4,696.4               | 4,719.0               | 4,696.4               | 16.6             | 17.5          | -49.85                | 379.8                               | -62.9        | 336.1                  | 302.7                   | 33.38                     | 10.069             |          |
| 4,800.0                                                               | 4,795.5               | 4,818.0               | 4,795.5               | 17.0             | 17.8          | -51.70                | 379.8                               | -62.9        | 327.2                  | 293.1                   | 34.09                     | 9.598              |          |
| 4,900.0                                                               | 4,894.5               | 4,917.1               | 4,894.5               | 17.3             | 18.1          | -53.66                | 379.8                               | -62.9        | 318.7                  | 283.9                   | 34.82                     | 9.155              |          |
| 5,000.0                                                               | 4,993.5               | 5,016.1               | 4,993.5               | 17.7             | 18.5          | -55.71                | 379.8                               | -62.9        | 310.6                  | 275.1                   | 35.54                     | 8.740              |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design Boros - Boros Federal #114H - 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  |          |
| 5,100.0                                                               | 5,092.5               | 5,115.1               | 5,092.5               | 18.1             | 18.8          | -57.87                | 379.8                               | -62.9        | 303.0                  | 266.7                   | 36.27                     | 8.352              |          |
| 5,200.0                                                               | 5,191.6               | 5,214.1               | 5,191.6               | 18.5             | 19.2          | -60.14                | 379.8                               | -62.9        | 295.7                  | 258.7                   | 37.01                     | 7.991              |          |
| 5,300.0                                                               | 5,290.6               | 5,313.2               | 5,290.6               | 18.8             | 19.5          | -62.51                | 379.8                               | -62.9        | 289.0                  | 251.3                   | 37.75                     | 7.656              |          |
| 5,400.0                                                               | 5,389.6               | 5,412.2               | 5,389.6               | 19.2             | 19.8          | -64.99                | 379.8                               | -62.9        | 282.8                  | 244.3                   | 38.49                     | 7.346              |          |
| 5,500.0                                                               | 5,488.6               | 5,511.2               | 5,488.6               | 19.6             | 20.2          | -67.58                | 379.8                               | -62.9        | 277.2                  | 237.9                   | 39.24                     | 7.062              |          |
| 5,600.0                                                               | 5,587.7               | 5,610.3               | 5,587.7               | 20.0             | 20.5          | -70.27                | 379.8                               | -62.9        | 272.1                  | 232.1                   | 40.00                     | 6.803              |          |
| 5,700.0                                                               | 5,686.7               | 5,709.3               | 5,686.7               | 20.4             | 20.9          | -73.05                | 379.8                               | -62.9        | 267.7                  | 226.9                   | 40.75                     | 6.568              |          |
| 5,800.0                                                               | 5,785.7               | 5,808.3               | 5,785.7               | 20.7             | 21.2          | -75.91                | 379.8                               | -62.9        | 263.9                  | 222.4                   | 41.51                     | 6.358              |          |
| 5,900.0                                                               | 5,884.8               | 5,907.3               | 5,884.8               | 21.1             | 21.5          | -78.85                | 379.8                               | -62.9        | 260.9                  | 218.6                   | 42.28                     | 6.170              |          |
| 6,000.0                                                               | 5,983.8               | 6,006.4               | 5,983.8               | 21.5             | 21.9          | -81.85                | 379.8                               | -62.9        | 258.5                  | 215.5                   | 43.04                     | 6.006              |          |
| 6,100.0                                                               | 6,082.8               | 6,105.4               | 6,082.8               | 21.9             | 22.2          | -84.89                | 379.8                               | -62.9        | 256.9                  | 213.1                   | 43.80                     | 5.864              |          |
| 6,200.0                                                               | 6,181.8               | 6,204.4               | 6,181.8               | 22.3             | 22.6          | -87.97                | 379.8                               | -62.9        | 256.0                  | 211.4                   | 44.57                     | 5.744              |          |
| 6,265.8                                                               | 6,247.0               | 6,269.6               | 6,247.0               | 22.5             | 22.8          | -90.00                | 379.8                               | -62.9        | 255.8                  | 210.8                   | 45.07                     | 5.676              |          |
| 6,300.0                                                               | 6,280.9               | 6,303.4               | 6,280.9               | 22.7             | 22.9          | -91.05                | 379.8                               | -62.9        | 255.9                  | 210.6                   | 45.33                     | 5.645              |          |
| 6,400.0                                                               | 6,379.9               | 6,402.5               | 6,379.9               | 23.1             | 23.3          | -94.13                | 379.8                               | -62.9        | 256.5                  | 210.4                   | 46.09                     | 5.565              |          |
| 6,500.0                                                               | 6,478.9               | 6,501.5               | 6,478.9               | 23.5             | 23.6          | -97.19                | 379.8                               | -62.9        | 257.9                  | 211.1                   | 46.85                     | 5.505              |          |
| 6,600.0                                                               | 6,577.9               | 6,600.5               | 6,577.9               | 23.9             | 23.9          | -100.20               | 379.8                               | -62.9        | 260.0                  | 212.4                   | 47.60                     | 5.463              |          |
| 6,700.0                                                               | 6,677.0               | 6,700.4               | 6,677.0               | 24.2             | 24.3          | -103.16               | 379.8                               | -62.9        | 262.9                  | 214.5                   | 48.35                     | 5.437              |          |
| 6,800.0                                                               | 6,776.0               | 6,801.4               | 6,776.0               | 24.6             | 24.6          | -106.05               | 379.8                               | -62.9        | 266.4                  | 217.3                   | 49.10                     | 5.426              |          |
| 6,900.0                                                               | 6,875.0               | 6,902.4               | 6,875.0               | 25.0             | 25.0          | -108.86               | 379.8                               | -62.9        | 270.6                  | 220.8                   | 49.85                     | 5.429              |          |
| 7,000.0                                                               | 6,974.0               | 7,003.4               | 6,974.0               | 25.4             | 25.3          | -111.58               | 379.8                               | -62.9        | 275.5                  | 224.9                   | 50.59                     | 5.446              |          |
| 7,100.0                                                               | 7,073.1               | 7,104.3               | 7,073.1               | 25.8             | 25.7          | -114.20               | 379.8                               | -62.9        | 280.9                  | 229.6                   | 51.32                     | 5.474              |          |
| 7,192.6                                                               | 7,164.8               | 7,187.4               | 7,164.8               | 26.2             | 26.0          | -116.53               | 379.8                               | -62.9        | 286.5                  | 234.6                   | 51.96                     | 5.514              |          |
| 7,200.0                                                               | 7,172.1               | 7,205.3               | 7,172.1               | 26.2             | 26.1          | -116.72               | 379.8                               | -62.9        | 287.0                  | 234.9                   | 52.05                     | 5.513              |          |
| 7,300.0                                                               | 7,271.3               | 7,306.1               | 7,271.3               | 26.6             | 26.4          | -118.95               | 379.8                               | -62.9        | 292.8                  | 240.0                   | 52.78                     | 5.548              |          |
| 7,400.0                                                               | 7,370.8               | 7,406.6               | 7,370.8               | 27.0             | 26.8          | -120.67               | 379.8                               | -62.9        | 297.7                  | 244.2                   | 53.49                     | 5.566              |          |
| 7,500.0                                                               | 7,470.6               | 7,506.8               | 7,470.6               | 27.4             | 27.1          | -121.89               | 379.8                               | -62.9        | 301.5                  | 247.3                   | 54.20                     | 5.562              |          |
| 7,600.0                                                               | 7,570.5               | 7,607.0               | 7,570.5               | 27.7             | 27.5          | -122.66               | 379.8                               | -62.9        | 303.9                  | 249.0                   | 54.91                     | 5.535              |          |
| 7,700.0                                                               | 7,670.4               | 7,707.0               | 7,670.4               | 28.1             | 27.8          | -122.99               | 379.8                               | -62.9        | 305.0                  | 249.4                   | 55.61                     | 5.485              |          |
| 7,726.0                                                               | 7,696.4               | 7,719.0               | 7,696.4               | 28.2             | 27.8          | -90.75                | 379.8                               | -62.9        | 305.1                  | 249.3                   | 55.74                     | 5.473              |          |
| 7,800.0                                                               | 7,770.4               | 7,807.0               | 7,770.4               | 28.4             | 28.2          | -90.75                | 379.8                               | -62.9        | 305.1                  | 248.7                   | 56.31                     | 5.417              |          |
| 7,900.0                                                               | 7,870.4               | 7,907.0               | 7,870.4               | 28.8             | 28.5          | -90.75                | 379.8                               | -62.9        | 305.1                  | 248.0                   | 57.01                     | 5.351              |          |
| 8,000.0                                                               | 7,970.4               | 8,007.0               | 7,970.4               | 29.1             | 28.9          | -90.75                | 379.8                               | -62.9        | 305.1                  | 247.3                   | 57.71                     | 5.286              |          |
| 8,100.0                                                               | 8,070.4               | 8,107.0               | 8,070.4               | 29.5             | 29.2          | -90.75                | 379.8                               | -62.9        | 305.1                  | 246.6                   | 58.41                     | 5.223              |          |
| 8,200.0                                                               | 8,170.4               | 8,207.0               | 8,170.4               | 29.8             | 29.6          | -90.75                | 379.8                               | -62.9        | 305.1                  | 245.9                   | 59.11                     | 5.161              |          |
| 8,278.6                                                               | 8,249.0               | 8,271.6               | 8,249.0               | 30.1             | 29.8          | -90.75                | 379.8                               | -62.9        | 305.1                  | 245.4                   | 59.61                     | 5.117              |          |
| 8,300.0                                                               | 8,270.4               | 8,307.0               | 8,270.4               | 30.2             | 29.9          | 98.40                 | 379.8                               | -62.9        | 305.1                  | 245.3                   | 59.81                     | 5.102              |          |
| 8,350.0                                                               | 8,320.3               | 8,342.8               | 8,320.3               | 30.3             | 30.0          | 99.08                 | 379.8                               | -62.9        | 305.7                  | 245.6                   | 60.09                     | 5.088              |          |
| 8,400.0                                                               | 8,369.5               | 8,407.9               | 8,369.5               | 30.4             | 30.3          | 100.46                | 379.8                               | -62.9        | 307.2                  | 246.7                   | 60.47                     | 5.080              |          |
| 8,450.0                                                               | 8,417.9               | 8,440.5               | 8,417.9               | 30.6             | 30.4          | 102.43                | 379.8                               | -62.9        | 309.8                  | 249.1                   | 60.72                     | 5.102              |          |
| 8,500.0                                                               | 8,465.0               | 8,487.6               | 8,465.0               | 30.7             | 30.6          | 104.86                | 379.8                               | -62.9        | 314.0                  | 253.0                   | 61.01                     | 5.146              |          |
| 8,550.0                                                               | 8,510.4               | 8,533.0               | 8,510.4               | 30.8             | 30.7          | 107.55                | 379.8                               | -62.9        | 320.3                  | 259.1                   | 61.29                     | 5.227              |          |
| 8,600.0                                                               | 8,553.8               | 8,576.4               | 8,553.8               | 30.9             | 30.9          | 110.32                | 379.8                               | -62.9        | 329.4                  | 267.9                   | 61.54                     | 5.354              |          |
| 8,650.0                                                               | 8,595.0               | 8,617.5               | 8,595.0               | 30.9             | 31.0          | 112.96                | 379.8                               | -62.9        | 341.8                  | 280.1                   | 61.76                     | 5.534              |          |
| 8,700.0                                                               | 8,633.5               | 8,656.0               | 8,633.5               | 31.0             | 31.1          | 115.29                | 379.8                               | -62.9        | 357.9                  | 295.9                   | 61.96                     | 5.776              |          |
| 8,750.0                                                               | 8,669.0               | 8,708.4               | 8,669.0               | 31.1             | 31.3          | 117.14                | 379.8                               | -62.9        | 377.9                  | 315.7                   | 62.19                     | 6.077              |          |
| 8,800.0                                                               | 8,701.4               | 8,724.0               | 8,701.4               | 31.1             | 31.4          | 118.36                | 379.8                               | -62.9        | 402.0                  | 339.7                   | 62.28                     | 6.455              |          |
| 8,850.0                                                               | 8,730.3               | 8,752.9               | 8,730.3               | 31.1             | 31.5          | 118.83                | 379.8                               | -62.9        | 430.0                  | 367.6                   | 62.39                     | 6.892              |          |
| 8,900.0                                                               | 8,755.6               | 8,778.2               | 8,755.6               | 31.2             | 31.6          | 118.41                | 379.8                               | -62.9        | 461.7                  | 399.3                   | 62.49                     | 7.389              |          |
| 8,950.0                                                               | 8,777.0               | 8,803.4               | 8,780.8               | 31.2             | 31.7          | 117.45                | 379.7                               | -62.9        | 496.8                  | 434.2                   | 62.56                     | 7.941              |          |
| 9,000.0                                                               | 8,794.4               | 8,840.2               | 8,817.6               | 31.3             | 31.8          | 117.42                | 378.0                               | -63.3        | 534.3                  | 471.7                   | 62.58                     | 8.537              |          |
| 9,050.0                                                               | 8,807.6               | 8,880.5               | 8,857.6               | 31.4             | 31.9          | 117.20                | 373.5                               | -64.4        | 573.6                  | 511.2                   | 62.49                     | 9.180              |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design Boros - Boros Federal #114H - 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  |          |
| 9,100.0                                                               | 8,816.6               | 8,926.6               | 8,902.8               | 31.5             | 32.0          | 117.07                | 365.0                               | -66.4        | 614.4                  | 552.2                   | 62.22                     | 9.875              |          |
| 9,150.0                                                               | 8,821.2               | 8,983.3               | 8,957.3               | 31.7             | 32.2          | 117.58                | 349.8                               | -70.0        | 656.2                  | 594.6                   | 61.63                     | 10.647             |          |
| 9,178.6                                                               | 8,822.0               | 9,178.6               | 8,959.8               | 31.8             | 32.6          | 113.69                | 348.5                               | -70.3        | 680.3                  | 618.1                   | 62.21                     | 10.935             |          |
| 9,200.0                                                               | 8,822.0               | 9,200.0               | 9,003.1               | 31.8             | 32.6          | 119.14                | 331.9                               | -74.3        | 698.1                  | 636.6                   | 61.43                     | 11.364             |          |
| 9,300.0                                                               | 8,822.0               | 9,643.4               | 9,342.7               | 32.2             | 33.4          | 135.66                | -128.0                              | -183.4       | 765.0                  | 714.7                   | 50.22                     | 15.231             |          |
| 9,400.0                                                               | 8,822.0               | 9,808.0               | 9,345.0               | 32.6             | 33.9          | 132.68                | -288.6                              | -219.2       | 787.8                  | 735.8                   | 51.99                     | 15.155             |          |
| 9,500.0                                                               | 8,822.0               | 9,931.1               | 9,345.0               | 33.1             | 34.4          | 131.04                | -409.8                              | -240.2       | 805.4                  | 751.9                   | 53.56                     | 15.038             |          |
| 9,600.0                                                               | 8,822.0               | 10,057.1              | 9,345.0               | 33.7             | 35.0          | 129.97                | -534.8                              | -256.4       | 817.4                  | 762.4                   | 55.07                     | 14.844             |          |
| 9,614.7                                                               | 8,822.0               | 10,075.9              | 9,345.0               | 33.8             | 35.1          | 129.86                | -553.5                              | -258.3       | 818.7                  | 763.4                   | 55.28                     | 14.810             |          |
| 9,700.0                                                               | 8,822.0               | 10,185.0              | 9,345.0               | 34.3             | 35.7          | 129.44                | -662.2                              | -267.1       | 824.4                  | 767.9                   | 56.54                     | 14.582             |          |
| 9,800.0                                                               | 8,822.0               | 10,313.6              | 9,345.0               | 35.0             | 36.5          | 129.18                | -790.7                              | -272.2       | 827.9                  | 769.9                   | 58.03                     | 14.267             |          |
| 9,900.0                                                               | 8,822.0               | 10,428.5              | 9,345.0               | 35.7             | 37.3          | 129.15                | -905.6                              | -272.3       | 828.4                  | 769.0                   | 59.43                     | 13.938             |          |
| 10,000.0                                                              | 8,822.0               | 10,528.5              | 9,345.0               | 36.5             | 38.0          | 129.15                | -1,005.6                            | -271.6       | 828.4                  | 767.6                   | 60.79                     | 13.627             |          |
| 10,100.0                                                              | 8,822.0               | 10,628.5              | 9,345.0               | 37.4             | 38.8          | 129.15                | -1,105.6                            | -271.0       | 828.4                  | 766.1                   | 62.24                     | 13.309             |          |
| 10,200.0                                                              | 8,822.0               | 10,728.5              | 9,345.0               | 38.3             | 39.7          | 129.15                | -1,205.6                            | -270.4       | 828.4                  | 764.6                   | 63.78                     | 12.988             |          |
| 10,300.0                                                              | 8,822.0               | 10,828.5              | 9,345.0               | 39.2             | 40.6          | 129.15                | -1,305.6                            | -269.7       | 828.4                  | 763.0                   | 65.39                     | 12.668             |          |
| 10,400.0                                                              | 8,822.0               | 10,928.5              | 9,345.0               | 40.2             | 41.5          | 129.15                | -1,405.6                            | -269.1       | 828.4                  | 761.3                   | 67.08                     | 12.349             |          |
| 10,500.0                                                              | 8,822.0               | 11,028.5              | 9,345.0               | 41.2             | 42.5          | 129.15                | -1,505.6                            | -268.5       | 828.4                  | 759.5                   | 68.84                     | 12.033             |          |
| 10,600.0                                                              | 8,822.0               | 11,128.5              | 9,345.0               | 42.3             | 43.5          | 129.15                | -1,605.6                            | -267.9       | 828.4                  | 757.7                   | 70.66                     | 11.723             |          |
| 10,700.0                                                              | 8,822.0               | 11,228.5              | 9,345.0               | 43.4             | 44.6          | 129.15                | -1,705.6                            | -267.2       | 828.4                  | 755.8                   | 72.54                     | 11.420             |          |
| 10,800.0                                                              | 8,822.0               | 11,328.5              | 9,345.0               | 44.6             | 45.7          | 129.15                | -1,805.6                            | -266.6       | 828.4                  | 753.9                   | 74.47                     | 11.123             |          |
| 10,900.0                                                              | 8,822.0               | 11,428.5              | 9,345.0               | 45.8             | 46.9          | 129.15                | -1,905.6                            | -266.0       | 828.4                  | 751.9                   | 76.45                     | 10.835             |          |
| 11,000.0                                                              | 8,822.0               | 11,528.5              | 9,345.0               | 47.0             | 48.0          | 129.15                | -2,005.6                            | -265.4       | 828.4                  | 749.9                   | 78.48                     | 10.555             |          |
| 11,100.0                                                              | 8,822.0               | 11,628.5              | 9,345.0               | 48.2             | 49.2          | 129.15                | -2,105.6                            | -264.7       | 828.4                  | 747.8                   | 80.55                     | 10.284             |          |
| 11,200.0                                                              | 8,822.0               | 11,728.5              | 9,345.0               | 49.4             | 50.4          | 129.15                | -2,205.6                            | -264.1       | 828.4                  | 745.7                   | 82.66                     | 10.021             |          |
| 11,300.0                                                              | 8,822.0               | 11,828.5              | 9,345.0               | 50.7             | 51.7          | 129.15                | -2,305.6                            | -263.5       | 828.3                  | 743.5                   | 84.81                     | 9.768              |          |
| 11,400.0                                                              | 8,822.0               | 11,928.5              | 9,345.0               | 52.0             | 53.0          | 129.15                | -2,405.6                            | -262.8       | 828.3                  | 741.4                   | 86.99                     | 9.523              |          |
| 11,500.0                                                              | 8,822.0               | 12,028.5              | 9,345.0               | 53.3             | 54.2          | 129.15                | -2,505.6                            | -262.2       | 828.3                  | 739.1                   | 89.20                     | 9.287              |          |
| 11,600.0                                                              | 8,822.0               | 12,128.5              | 9,345.0               | 54.7             | 55.6          | 129.15                | -2,605.5                            | -261.6       | 828.3                  | 736.9                   | 91.44                     | 9.059              |          |
| 11,700.0                                                              | 8,822.0               | 12,228.5              | 9,345.0               | 56.0             | 56.9          | 129.15                | -2,705.5                            | -261.0       | 828.3                  | 734.6                   | 93.70                     | 8.840              |          |
| 11,800.0                                                              | 8,822.0               | 12,328.5              | 9,345.0               | 57.4             | 58.2          | 129.15                | -2,805.5                            | -260.3       | 828.3                  | 732.3                   | 96.00                     | 8.629              |          |
| 11,900.0                                                              | 8,822.0               | 12,428.5              | 9,345.0               | 58.8             | 59.6          | 129.15                | -2,905.5                            | -259.7       | 828.3                  | 730.0                   | 98.31                     | 8.425              |          |
| 12,000.0                                                              | 8,822.0               | 12,528.5              | 9,345.0               | 60.1             | 61.0          | 129.15                | -3,005.5                            | -259.1       | 828.3                  | 727.7                   | 100.65                    | 8.230              |          |
| 12,100.0                                                              | 8,822.0               | 12,628.5              | 9,345.0               | 61.6             | 62.3          | 129.15                | -3,105.5                            | -258.5       | 828.3                  | 725.3                   | 103.01                    | 8.041              |          |
| 12,200.0                                                              | 8,822.0               | 12,728.5              | 9,345.0               | 63.0             | 63.7          | 129.15                | -3,205.5                            | -257.8       | 828.3                  | 722.9                   | 105.38                    | 7.860              |          |
| 12,300.0                                                              | 8,822.0               | 12,828.5              | 9,345.0               | 64.4             | 65.2          | 129.15                | -3,305.5                            | -257.2       | 828.3                  | 720.5                   | 107.78                    | 7.686              |          |
| 12,400.0                                                              | 8,822.0               | 12,928.5              | 9,345.0               | 65.8             | 66.6          | 129.15                | -3,405.5                            | -256.6       | 828.3                  | 718.1                   | 110.19                    | 7.517              |          |
| 12,500.0                                                              | 8,822.0               | 13,028.5              | 9,345.0               | 67.3             | 68.0          | 129.15                | -3,505.5                            | -256.0       | 828.3                  | 715.7                   | 112.61                    | 7.355              |          |
| 12,600.0                                                              | 8,822.0               | 13,128.5              | 9,345.0               | 68.7             | 69.4          | 129.15                | -3,605.5                            | -255.3       | 828.3                  | 713.2                   | 115.05                    | 7.199              |          |
| 12,700.0                                                              | 8,822.0               | 13,228.5              | 9,345.0               | 70.2             | 70.9          | 129.15                | -3,705.5                            | -254.7       | 828.3                  | 710.8                   | 117.50                    | 7.049              |          |
| 12,800.0                                                              | 8,822.0               | 13,328.5              | 9,345.0               | 71.7             | 72.4          | 129.15                | -3,805.5                            | -254.1       | 828.3                  | 708.3                   | 119.97                    | 6.904              |          |
| 12,900.0                                                              | 8,822.0               | 13,428.5              | 9,345.0               | 73.2             | 73.8          | 129.16                | -3,905.5                            | -253.4       | 828.3                  | 705.8                   | 122.45                    | 6.764              |          |
| 13,000.0                                                              | 8,822.0               | 13,528.5              | 9,345.0               | 74.7             | 75.3          | 129.16                | -4,005.5                            | -252.8       | 828.3                  | 703.3                   | 124.94                    | 6.630              |          |
| 13,100.0                                                              | 8,822.0               | 13,628.5              | 9,345.0               | 76.2             | 76.8          | 129.16                | -4,105.5                            | -252.2       | 828.3                  | 700.8                   | 127.43                    | 6.500              |          |
| 13,200.0                                                              | 8,822.0               | 13,728.5              | 9,345.0               | 77.7             | 78.3          | 129.16                | -4,205.5                            | -251.6       | 828.3                  | 698.3                   | 129.94                    | 6.374              |          |
| 13,300.0                                                              | 8,822.0               | 13,828.5              | 9,345.0               | 79.2             | 79.8          | 129.16                | -4,305.5                            | -250.9       | 828.3                  | 695.8                   | 132.46                    | 6.253              |          |
| 13,400.0                                                              | 8,822.0               | 13,928.5              | 9,345.0               | 80.7             | 81.3          | 129.16                | -4,405.5                            | -250.3       | 828.3                  | 693.3                   | 134.99                    | 6.136              |          |
| 13,500.0                                                              | 8,822.0               | 14,028.5              | 9,345.0               | 82.2             | 82.8          | 129.16                | -4,505.5                            | -249.7       | 828.3                  | 690.7                   | 137.53                    | 6.023              |          |
| 13,600.0                                                              | 8,822.0               | 14,128.5              | 9,345.0               | 83.7             | 84.3          | 129.16                | -4,605.5                            | -249.1       | 828.3                  | 688.2                   | 140.07                    | 5.913              |          |
| 13,700.0                                                              | 8,822.0               | 14,228.5              | 9,345.0               | 85.2             | 85.8          | 129.16                | -4,705.5                            | -248.4       | 828.3                  | 685.6                   | 142.62                    | 5.807              |          |
| 13,800.0                                                              | 8,822.0               | 14,328.5              | 9,345.0               | 86.8             | 87.3          | 129.16                | -4,805.5                            | -247.8       | 828.3                  | 683.1                   | 145.18                    | 5.705              |          |
| 13,900.0                                                              | 8,822.0               | 14,428.5              | 9,345.0               | 88.3             | 88.9          | 129.16                | -4,905.5                            | -247.2       | 828.3                  | 680.5                   | 147.74                    | 5.606              |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design Boros - Boros Federal #114H - 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                                                              | 8,822.0               | 14,528.5              | 9,345.0               | 89.9             | 90.4          | 129.16                | -5,005.5                            | -246.6       | 828.2                  | 677.9                   | 150.32                    | 5.510              |          |
| 14,100.0                                                              | 8,822.0               | 14,628.5              | 9,345.0               | 91.4             | 91.9          | 129.16                | -5,105.5                            | -245.9       | 828.2                  | 675.4                   | 152.89                    | 5.417              |          |
| 14,200.0                                                              | 8,822.0               | 14,728.5              | 9,345.0               | 92.9             | 93.5          | 129.16                | -5,205.5                            | -245.3       | 828.2                  | 672.8                   | 155.48                    | 5.327              |          |
| 14,300.0                                                              | 8,822.0               | 14,828.5              | 9,345.0               | 94.5             | 95.0          | 129.16                | -5,305.5                            | -244.7       | 828.2                  | 670.2                   | 158.07                    | 5.240              |          |
| 14,400.0                                                              | 8,822.0               | 14,928.5              | 9,345.0               | 96.0             | 96.6          | 129.16                | -5,405.5                            | -244.0       | 828.2                  | 667.6                   | 160.66                    | 5.155              |          |
| 14,500.0                                                              | 8,822.0               | 15,028.5              | 9,345.0               | 97.6             | 98.1          | 129.16                | -5,505.5                            | -243.4       | 828.2                  | 665.0                   | 163.26                    | 5.073              |          |
| 14,600.0                                                              | 8,822.0               | 15,128.5              | 9,345.0               | 99.2             | 99.7          | 129.16                | -5,605.5                            | -242.8       | 828.2                  | 662.4                   | 165.86                    | 4.993              |          |
| 14,700.0                                                              | 8,822.0               | 15,228.5              | 9,345.0               | 100.7            | 101.2         | 129.16                | -5,705.5                            | -242.2       | 828.2                  | 659.8                   | 168.47                    | 4.916              |          |
| 14,800.0                                                              | 8,822.0               | 15,328.5              | 9,345.0               | 102.3            | 102.8         | 129.16                | -5,805.5                            | -241.5       | 828.2                  | 657.1                   | 171.08                    | 4.841              |          |
| 14,900.0                                                              | 8,822.0               | 15,428.5              | 9,345.0               | 103.9            | 104.4         | 129.16                | -5,905.5                            | -240.9       | 828.2                  | 654.5                   | 173.70                    | 4.768              |          |
| 15,000.0                                                              | 8,822.0               | 15,528.5              | 9,345.0               | 105.4            | 105.9         | 129.16                | -6,005.5                            | -240.3       | 828.2                  | 651.9                   | 176.32                    | 4.697              |          |
| 15,100.0                                                              | 8,822.0               | 15,628.5              | 9,345.0               | 107.0            | 107.5         | 129.16                | -6,105.5                            | -239.7       | 828.2                  | 649.3                   | 178.94                    | 4.628              |          |
| 15,200.0                                                              | 8,822.0               | 15,728.5              | 9,345.0               | 108.6            | 109.1         | 129.16                | -6,205.5                            | -239.0       | 828.2                  | 646.6                   | 181.57                    | 4.561              |          |
| 15,300.0                                                              | 8,822.0               | 15,828.5              | 9,345.0               | 110.2            | 110.6         | 129.16                | -6,305.5                            | -238.4       | 828.2                  | 644.0                   | 184.20                    | 4.496              |          |
| 15,400.0                                                              | 8,822.0               | 15,928.5              | 9,345.0               | 111.7            | 112.2         | 129.16                | -6,405.5                            | -237.8       | 828.2                  | 641.4                   | 186.84                    | 4.433              |          |
| 15,500.0                                                              | 8,822.0               | 16,028.5              | 9,345.0               | 113.3            | 113.8         | 129.16                | -6,505.5                            | -237.2       | 828.2                  | 638.7                   | 189.47                    | 4.371              |          |
| 15,600.0                                                              | 8,822.0               | 16,128.5              | 9,345.0               | 114.9            | 115.4         | 129.16                | -6,605.5                            | -236.5       | 828.2                  | 636.1                   | 192.11                    | 4.311              |          |
| 15,700.0                                                              | 8,822.0               | 16,228.5              | 9,345.0               | 116.5            | 117.0         | 129.16                | -6,705.5                            | -235.9       | 828.2                  | 633.4                   | 194.76                    | 4.252              |          |
| 15,800.0                                                              | 8,822.0               | 16,328.5              | 9,345.0               | 118.1            | 118.5         | 129.16                | -6,805.5                            | -235.3       | 828.2                  | 630.8                   | 197.40                    | 4.195              |          |
| 15,900.0                                                              | 8,822.0               | 16,428.5              | 9,345.0               | 119.7            | 120.1         | 129.16                | -6,905.5                            | -234.6       | 828.2                  | 628.1                   | 200.05                    | 4.140              |          |
| 16,000.0                                                              | 8,822.0               | 16,528.5              | 9,345.0               | 121.3            | 121.7         | 129.16                | -7,005.5                            | -234.0       | 828.2                  | 625.5                   | 202.70                    | 4.086              |          |
| 16,100.0                                                              | 8,822.0               | 16,628.5              | 9,345.0               | 122.8            | 123.3         | 129.16                | -7,105.5                            | -233.4       | 828.2                  | 622.8                   | 205.36                    | 4.033              |          |
| 16,200.0                                                              | 8,822.0               | 16,728.5              | 9,345.0               | 124.4            | 124.9         | 129.16                | -7,205.5                            | -232.8       | 828.2                  | 620.2                   | 208.01                    | 3.981              |          |
| 16,300.0                                                              | 8,822.0               | 16,828.5              | 9,345.0               | 126.0            | 126.5         | 129.16                | -7,305.5                            | -232.1       | 828.2                  | 617.5                   | 210.67                    | 3.931              |          |
| 16,400.0                                                              | 8,822.0               | 16,928.5              | 9,345.0               | 127.6            | 128.1         | 129.16                | -7,405.5                            | -231.5       | 828.2                  | 614.8                   | 213.33                    | 3.882              |          |
| 16,500.0                                                              | 8,822.0               | 17,028.5              | 9,345.0               | 129.2            | 129.7         | 129.16                | -7,505.5                            | -230.9       | 828.2                  | 612.2                   | 215.99                    | 3.834              |          |
| 16,600.0                                                              | 8,822.0               | 17,128.5              | 9,345.0               | 130.8            | 131.3         | 129.16                | -7,605.5                            | -230.3       | 828.2                  | 609.5                   | 218.66                    | 3.787              |          |
| 16,700.0                                                              | 8,822.0               | 17,228.5              | 9,345.0               | 132.4            | 132.9         | 129.16                | -7,705.4                            | -229.6       | 828.1                  | 606.8                   | 221.33                    | 3.742              |          |
| 16,800.0                                                              | 8,822.0               | 17,328.5              | 9,345.0               | 134.0            | 134.5         | 129.16                | -7,805.4                            | -229.0       | 828.1                  | 604.1                   | 224.00                    | 3.697              |          |
| 16,900.0                                                              | 8,822.0               | 17,428.5              | 9,345.0               | 135.6            | 136.1         | 129.16                | -7,905.4                            | -228.4       | 828.1                  | 601.5                   | 226.67                    | 3.654              |          |
| 17,000.0                                                              | 8,822.0               | 17,528.5              | 9,345.0               | 137.2            | 137.7         | 129.16                | -8,005.4                            | -227.8       | 828.1                  | 598.8                   | 229.34                    | 3.611              |          |
| 17,100.0                                                              | 8,822.0               | 17,628.5              | 9,345.0               | 138.8            | 139.3         | 129.16                | -8,105.4                            | -227.1       | 828.1                  | 596.1                   | 232.01                    | 3.569              |          |
| 17,200.0                                                              | 8,822.0               | 17,728.5              | 9,345.0               | 140.4            | 140.9         | 129.16                | -8,205.4                            | -226.5       | 828.1                  | 593.4                   | 234.69                    | 3.529              |          |
| 17,300.0                                                              | 8,822.0               | 17,828.5              | 9,345.0               | 142.0            | 142.5         | 129.16                | -8,305.4                            | -225.9       | 828.1                  | 590.8                   | 237.36                    | 3.489              |          |
| 17,400.0                                                              | 8,822.0               | 17,928.5              | 9,345.0               | 143.7            | 144.1         | 129.16                | -8,405.4                            | -225.2       | 828.1                  | 588.1                   | 240.04                    | 3.450              |          |
| 17,500.0                                                              | 8,822.0               | 18,028.5              | 9,345.0               | 145.3            | 145.7         | 129.16                | -8,505.4                            | -224.6       | 828.1                  | 585.4                   | 242.72                    | 3.412              |          |
| 17,600.0                                                              | 8,822.0               | 18,128.5              | 9,345.0               | 146.9            | 147.3         | 129.16                | -8,605.4                            | -224.0       | 828.1                  | 582.7                   | 245.40                    | 3.374              |          |
| 17,700.0                                                              | 8,822.0               | 18,228.5              | 9,345.0               | 148.5            | 148.9         | 129.17                | -8,705.4                            | -223.4       | 828.1                  | 580.0                   | 248.09                    | 3.338              |          |
| 17,800.0                                                              | 8,822.0               | 18,328.5              | 9,345.0               | 150.1            | 150.5         | 129.17                | -8,805.4                            | -222.7       | 828.1                  | 577.3                   | 250.77                    | 3.302              |          |
| 17,900.0                                                              | 8,822.0               | 18,428.5              | 9,345.0               | 151.7            | 152.1         | 129.17                | -8,905.4                            | -222.1       | 828.1                  | 574.6                   | 253.46                    | 3.267              |          |
| 18,000.0                                                              | 8,822.0               | 18,528.5              | 9,345.0               | 153.3            | 153.8         | 129.17                | -9,005.4                            | -221.5       | 828.1                  | 572.0                   | 256.14                    | 3.233              |          |
| 18,100.0                                                              | 8,822.0               | 18,628.5              | 9,345.0               | 154.9            | 155.4         | 129.17                | -9,105.4                            | -220.9       | 828.1                  | 569.3                   | 258.83                    | 3.199              |          |
| 18,200.0                                                              | 8,822.0               | 18,728.5              | 9,345.0               | 156.5            | 157.0         | 129.17                | -9,205.4                            | -220.2       | 828.1                  | 566.6                   | 261.52                    | 3.166              |          |
| 18,300.0                                                              | 8,822.0               | 18,828.5              | 9,345.0               | 158.2            | 158.6         | 129.17                | -9,305.4                            | -219.6       | 828.1                  | 563.9                   | 264.21                    | 3.134              |          |
| 18,400.0                                                              | 8,822.0               | 18,928.5              | 9,345.0               | 159.8            | 160.2         | 129.17                | -9,405.4                            | -219.0       | 828.1                  | 561.2                   | 266.90                    | 3.103              |          |
| 18,500.0                                                              | 8,822.0               | 19,028.5              | 9,345.0               | 161.4            | 161.8         | 129.17                | -9,505.4                            | -218.4       | 828.1                  | 558.5                   | 269.59                    | 3.072              |          |
| 18,600.0                                                              | 8,822.0               | 19,128.5              | 9,345.0               | 163.0            | 163.4         | 129.17                | -9,605.4                            | -217.7       | 828.1                  | 555.8                   | 272.29                    | 3.041              |          |
| 18,700.0                                                              | 8,822.0               | 19,228.5              | 9,345.0               | 164.6            | 165.1         | 129.17                | -9,705.4                            | -217.1       | 828.1                  | 553.1                   | 274.98                    | 3.011              |          |
| 18,800.0                                                              | 8,822.0               | 19,328.5              | 9,345.0               | 166.2            | 166.7         | 129.17                | -9,805.4                            | -216.5       | 828.1                  | 550.4                   | 277.68                    | 2.982              |          |
| 18,900.0                                                              | 8,822.0               | 19,428.5              | 9,345.0               | 167.9            | 168.3         | 129.17                | -9,905.4                            | -215.8       | 828.1                  | 547.7                   | 280.37                    | 2.953              |          |
| 19,000.0                                                              | 8,822.0               | 19,528.5              | 9,345.0               | 169.5            | 169.9         | 129.17                | -10,005.4                           | -215.2       | 828.1                  | 545.0                   | 283.07                    | 2.925              |          |
| 19,100.0                                                              | 8,822.0               | 19,628.5              | 9,345.0               | 171.1            | 171.5         | 129.17                | -10,105.4                           | -214.6       | 828.1                  | 542.3                   | 285.77                    | 2.898              |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| <b>Offset Design</b> Boros - Boros Federal #114H - Wellbore #1 - BLM Plan #2 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | <b>Offset Site Error:</b> | 0.0 usft |
|------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|---------------------------|----------|
| Survey Program: 0-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 |                           |          |
| 19,129.9                                                                     | 8,822.0               | 19,658.3              | 9,345.0               | 171.6            | 172.0         | 129.17                | -10,135.3                           | -214.4       | 828.1                  | 541.5                   | 286.58                    | 2.889 SF          |                           |          |

# Anticollision Report

|                           |                            |                                     |                          |
|---------------------------|----------------------------|-------------------------------------|--------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design Boros - Boros Federal #124H - Wellbore #1 - Actual |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Offset Site Error: | 0.0 usft |
|------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|--------------------|----------|
| Survey Program: 181-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           | -44.22                | 31.1                                | -30.3        | 43.4                   |                         |                           |                   |                    |          |
| 100.0                                                            | 100.0                 | 98.4                  | 98.4                  | 0.1              | 0.2           | -44.31                | 31.5                                | -30.8        | 44.1                   | 43.8                    | 0.29                      | 150.968           |                    |          |
| 200.0                                                            | 200.0                 | 197.8                 | 197.7                 | 0.5              | 0.4           | -44.57                | 32.9                                | -32.4        | 46.2                   | 45.3                    | 0.83                      | 55.339            |                    |          |
| 300.0                                                            | 300.0                 | 297.4                 | 297.3                 | 0.8              | 0.7           | -44.88                | 35.0                                | -34.8        | 49.4                   | 47.8                    | 1.55                      | 31.880            |                    |          |
| 400.0                                                            | 400.0                 | 397.2                 | 397.1                 | 1.2              | 1.1           | -45.37                | 37.2                                | -37.7        | 53.0                   | 50.7                    | 2.26                      | 23.403            |                    |          |
| 500.0                                                            | 500.0                 | 496.9                 | 496.7                 | 1.6              | 1.4           | -45.74                | 39.6                                | -40.6        | 56.7                   | 53.8                    | 2.98                      | 19.047            |                    |          |
| 600.0                                                            | 600.0                 | 596.8                 | 596.5                 | 1.9              | 1.8           | -45.95                | 42.3                                | -43.7        | 60.8                   | 57.1                    | 3.69                      | 16.463            |                    |          |
| 700.0                                                            | 700.0                 | 696.5                 | 696.1                 | 2.3              | 2.1           | -45.87                | 45.2                                | -46.6        | 65.0                   | 60.6                    | 4.41                      | 14.746            |                    |          |
| 800.0                                                            | 800.0                 | 796.7                 | 796.2                 | 2.6              | 2.5           | -45.79                | 48.3                                | -49.7        | 69.3                   | 64.2                    | 5.13                      | 13.523            |                    |          |
| 900.0                                                            | 900.0                 | 897.0                 | 896.4                 | 3.0              | 2.9           | -45.70                | 51.0                                | -52.3        | 73.1                   | 67.2                    | 5.84                      | 12.504            |                    |          |
| 1,000.0                                                          | 1,000.0               | 996.8                 | 996.2                 | 3.4              | 3.2           | -45.72                | 53.5                                | -54.9        | 76.7                   | 70.1                    | 6.56                      | 11.686            |                    |          |
| 1,100.0                                                          | 1,100.0               | 1,096.9               | 1,096.2               | 3.7              | 3.6           | -45.80                | 55.9                                | -57.5        | 80.2                   | 72.9                    | 7.28                      | 11.022            |                    |          |
| 1,200.0                                                          | 1,200.0               | 1,196.9               | 1,196.2               | 4.1              | 4.0           | -45.87                | 58.2                                | -60.0        | 83.7                   | 75.7                    | 8.00                      | 10.468            |                    |          |
| 1,300.0                                                          | 1,300.0               | 1,297.1               | 1,296.3               | 4.4              | 4.3           | -46.15                | 60.2                                | -62.7        | 86.9                   | 78.2                    | 8.71                      | 9.977             |                    |          |
| 1,400.0                                                          | 1,400.0               | 1,396.9               | 1,396.0               | 4.8              | 4.7           | -46.46                | 62.0                                | -65.3        | 90.1                   | 80.6                    | 9.43                      | 9.552             |                    |          |
| 1,500.0                                                          | 1,500.0               | 1,496.7               | 1,495.8               | 5.1              | 5.0           | -46.51                | 64.3                                | -67.8        | 93.6                   | 83.4                    | 10.15                     | 9.220             |                    |          |
| 1,600.0                                                          | 1,600.0               | 1,596.9               | 1,595.9               | 5.5              | 5.4           | -45.87                | 67.4                                | -69.5        | 96.8                   | 85.9                    | 10.86                     | 8.912             |                    |          |
| 1,700.0                                                          | 1,700.0               | 1,696.6               | 1,695.5               | 5.9              | 5.8           | -43.32                | 72.8                                | -68.6        | 100.1                  | 88.5                    | 11.57                     | 8.649             |                    |          |
| 1,800.0                                                          | 1,800.0               | 1,796.5               | 1,795.2               | 6.2              | 6.1           | -39.73                | 79.8                                | -66.3        | 103.8                  | 91.6                    | 12.28                     | 8.454             |                    |          |
| 1,900.0                                                          | 1,900.0               | 1,896.7               | 1,895.1               | 6.6              | 6.5           | -36.36                | 86.5                                | -63.7        | 107.5                  | 94.5                    | 12.99                     | 8.272             |                    |          |
| 2,000.0                                                          | 2,000.0               | 1,996.6               | 1,994.7               | 6.9              | 6.8           | -33.12                | 93.1                                | -60.7        | 111.2                  | 97.5                    | 13.70                     | 8.117             |                    |          |
| 2,100.0                                                          | 2,100.0               | 2,096.5               | 2,094.3               | 7.3              | 7.2           | -29.97                | 99.7                                | -57.5        | 115.2                  | 100.8                   | 14.41                     | 7.992             |                    |          |
| 2,200.0                                                          | 2,200.0               | 2,196.6               | 2,194.1               | 7.7              | 7.5           | -27.05                | 106.1                               | -54.2        | 119.3                  | 104.2                   | 15.13                     | 7.887             |                    |          |
| 2,300.0                                                          | 2,300.0               | 2,296.4               | 2,293.7               | 8.0              | 7.9           | -24.23                | 112.5                               | -50.6        | 123.5                  | 107.6                   | 15.84                     | 7.796             |                    |          |
| 2,400.0                                                          | 2,400.0               | 2,397.5               | 2,394.5               | 8.4              | 8.2           | -21.38                | 118.6                               | -46.4        | 127.4                  | 110.8                   | 16.55                     | 7.695             |                    |          |
| 2,500.0                                                          | 2,500.0               | 2,495.0               | 2,491.8               | 8.7              | 8.6           | -18.85                | 124.6                               | -42.5        | 131.9                  | 114.6                   | 17.25                     | 7.643             |                    |          |
| 2,600.0                                                          | 2,600.0               | 2,592.7               | 2,589.1               | 9.1              | 8.9           | -16.75                | 132.0                               | -39.7        | 138.2                  | 120.2                   | 17.95                     | 7.700             |                    |          |
| 2,700.0                                                          | 2,700.0               | 2,693.7               | 2,689.8               | 9.4              | 9.3           | -14.81                | 139.9                               | -37.0        | 145.0                  | 126.3                   | 18.67                     | 7.763             |                    |          |
| 2,800.0                                                          | 2,800.0               | 2,794.2               | 2,790.0               | 9.8              | 9.7           | -13.09                | 146.9                               | -34.2        | 151.1                  | 131.7                   | 19.39                     | 7.789             |                    |          |
| 2,900.0                                                          | 2,900.0               | 2,892.4               | 2,887.9               | 10.2             | 10.0          | -11.61                | 154.0                               | -31.6        | 157.6                  | 137.5                   | 20.09                     | 7.843             |                    |          |
| 3,000.0                                                          | 3,000.0               | 2,991.0               | 2,986.1               | 10.5             | 10.4          | -10.21                | 161.9                               | -29.2        | 165.0                  | 144.2                   | 20.80                     | 7.934             |                    |          |
| 3,100.0                                                          | 3,100.0               | 3,089.3               | 3,084.0               | 10.9             | 10.8          | -8.72                 | 170.7                               | -26.2        | 173.3                  | 151.8                   | 21.50                     | 8.061             |                    |          |
| 3,200.0                                                          | 3,200.0               | 3,189.5               | 3,183.7               | 11.2             | 11.2          | -7.23                 | 179.9                               | -22.8        | 181.9                  | 159.7                   | 22.22                     | 8.187             |                    |          |
| 3,300.0                                                          | 3,300.0               | 3,289.8               | 3,283.6               | 11.6             | 11.5          | -5.93                 | 188.3                               | -19.6        | 189.9                  | 167.0                   | 22.94                     | 8.277             |                    |          |
| 3,400.0                                                          | 3,400.0               | 3,387.0               | 3,380.4               | 12.0             | 11.9          | -4.84                 | 197.1                               | -16.7        | 198.7                  | 175.1                   | 23.63                     | 8.408             |                    |          |
| 3,500.0                                                          | 3,500.0               | 3,486.9               | 3,479.8               | 12.3             | 12.3          | -3.77                 | 207.0                               | -13.6        | 208.4                  | 184.0                   | 24.35                     | 8.555             |                    |          |
| 3,600.0                                                          | 3,600.0               | 3,587.6               | 3,580.0               | 12.7             | 12.7          | -2.66                 | 215.8                               | -10.0        | 216.9                  | 191.8                   | 25.08                     | 8.646             |                    |          |
| 3,700.0                                                          | 3,700.0               | 3,684.0               | 3,675.9               | 13.0             | 13.0          | -1.69                 | 225.2                               | -6.6         | 226.5                  | 200.7                   | 25.76                     | 8.791             |                    |          |
| 3,800.0                                                          | 3,800.0               | 3,783.7               | 3,775.0               | 13.4             | 13.4          | -0.66                 | 235.7                               | -2.7         | 236.9                  | 210.4                   | 26.48                     | 8.946             |                    |          |
| 3,900.0                                                          | 3,900.0               | 3,886.2               | 3,876.9               | 13.7             | 13.8          | -31.98                | 245.5                               | 1.4          | 245.7                  | 218.5                   | 27.23                     | 9.024             |                    |          |
| 4,000.0                                                          | 4,000.0               | 3,988.2               | 3,978.4               | 14.1             | 14.2          | -31.40                | 254.1                               | 5.3          | 252.0                  | 224.1                   | 27.97                     | 9.012             |                    |          |
| 4,100.0                                                          | 4,099.9               | 4,086.2               | 4,076.1               | 14.5             | 14.5          | -31.16                | 262.1                               | 8.6          | 256.5                  | 227.9                   | 28.67                     | 8.949             |                    |          |
| 4,200.0                                                          | 4,199.7               | 4,182.1               | 4,171.4               | 14.8             | 14.9          | -31.11                | 271.3                               | 11.9         | 261.0                  | 231.7                   | 29.34                     | 8.895             |                    |          |
| 4,300.0                                                          | 4,299.4               | 4,281.2               | 4,269.9               | 15.2             | 15.3          | -31.23                | 282.0                               | 15.5         | 265.1                  | 235.1                   | 30.05                     | 8.821             |                    |          |
| 4,400.0                                                          | 4,398.9               | 4,382.7               | 4,370.8               | 15.5             | 15.7          | -31.55                | 292.6                               | 19.2         | 267.4                  | 236.6                   | 30.80                     | 8.683             |                    |          |
| 4,500.0                                                          | 4,498.3               | 4,484.1               | 4,471.6               | 15.9             | 16.1          | -32.09                | 302.5                               | 22.8         | 267.6                  | 236.1                   | 31.54                     | 8.486             |                    |          |
| 4,600.0                                                          | 4,597.4               | 4,586.2               | 4,573.3               | 16.2             | 16.5          | -32.85                | 311.9                               | 26.4         | 265.8                  | 233.5                   | 32.29                     | 8.232             |                    |          |
| 4,700.0                                                          | 4,696.4               | 4,687.5               | 4,674.1               | 16.6             | 16.9          | -33.71                | 320.5                               | 30.0         | 262.5                  | 229.5                   | 33.03                     | 7.948             |                    |          |
| 4,800.0                                                          | 4,795.5               | 4,789.5               | 4,775.7               | 17.0             | 17.2          | -34.69                | 328.4                               | 33.3         | 258.6                  | 224.9                   | 33.78                     | 7.658             |                    |          |
| 4,900.0                                                          | 4,894.5               | 4,890.6               | 4,876.5               | 17.3             | 17.6          | -35.79                | 335.6                               | 36.2         | 254.2                  | 219.7                   | 34.52                     | 7.364             |                    |          |
| 5,000.0                                                          | 4,993.5               | 4,991.9               | 4,977.6               | 17.7             | 18.0          | -37.00                | 342.2                               | 38.8         | 249.3                  | 214.0                   | 35.26                     | 7.069             |                    |          |
| 5,100.0                                                          | 5,092.5               | 5,093.3               | 5,078.8               | 18.1             | 18.4          | -38.32                | 348.2                               | 41.2         | 243.8                  | 207.8                   | 36.01                     | 6.772             |                    |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design Boros - Boros Federal #124H - Wellbore #1 - Actual |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 181-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  |          |
| 5,200.0                                                          | 5,191.6               | 5,194.9               | 5,180.2               | 18.5             | 18.7          | -39.77                | 353.3                               | 43.4         | 237.7                  | 201.0                   | 36.75                     | 6.468              |          |
| 5,300.0                                                          | 5,290.6               | 5,294.9               | 5,280.2               | 18.8             | 19.1          | -41.36                | 357.8                               | 45.4         | 231.3                  | 193.8                   | 37.49                     | 6.169              |          |
| 5,400.0                                                          | 5,389.6               | 5,394.5               | 5,379.7               | 19.2             | 19.5          | -43.16                | 362.1                               | 46.8         | 225.0                  | 186.8                   | 38.24                     | 5.884              |          |
| 5,500.0                                                          | 5,488.6               | 5,495.0               | 5,480.1               | 19.6             | 19.8          | -45.15                | 366.2                               | 48.1         | 218.7                  | 179.7                   | 38.99                     | 5.611              |          |
| 5,600.0                                                          | 5,587.7               | 5,595.7               | 5,580.7               | 20.0             | 20.2          | -47.33                | 369.7                               | 49.3         | 212.2                  | 172.4                   | 39.74                     | 5.339              |          |
| 5,700.0                                                          | 5,686.7               | 5,695.6               | 5,680.5               | 20.4             | 20.5          | -49.63                | 372.8                               | 50.5         | 205.5                  | 165.0                   | 40.50                     | 5.075              |          |
| 5,800.0                                                          | 5,785.7               | 5,795.1               | 5,780.0               | 20.7             | 20.9          | -52.17                | 375.7                               | 51.5         | 199.1                  | 157.9                   | 41.26                     | 4.827              |          |
| 5,900.0                                                          | 5,884.8               | 5,894.9               | 5,879.7               | 21.1             | 21.3          | -54.89                | 378.5                               | 52.4         | 193.1                  | 151.1                   | 42.02                     | 4.595              |          |
| 6,000.0                                                          | 5,983.8               | 5,994.7               | 5,979.5               | 21.5             | 21.6          | -57.81                | 381.0                               | 53.3         | 187.2                  | 144.5                   | 42.79                     | 4.376              |          |
| 6,100.0                                                          | 6,082.8               | 6,094.8               | 6,079.6               | 21.9             | 22.0          | -60.91                | 383.3                               | 54.5         | 181.6                  | 138.0                   | 43.56                     | 4.169              |          |
| 6,200.0                                                          | 6,181.8               | 6,194.9               | 6,179.6               | 22.3             | 22.3          | -64.36                | 384.9                               | 55.4         | 176.1                  | 131.8                   | 44.34                     | 3.972              |          |
| 6,300.0                                                          | 6,280.9               | 6,294.6               | 6,279.4               | 22.7             | 22.7          | -68.26                | 385.8                               | 55.9         | 170.9                  | 125.8                   | 45.12                     | 3.788              |          |
| 6,400.0                                                          | 6,379.9               | 6,393.6               | 6,378.3               | 23.1             | 23.0          | -72.47                | 386.4                               | 56.2         | 166.5                  | 120.6                   | 45.91                     | 3.626              |          |
| 6,500.0                                                          | 6,478.9               | 6,493.2               | 6,478.0               | 23.5             | 23.3          | -77.08                | 386.6                               | 56.2         | 163.0                  | 116.3                   | 46.68                     | 3.492              |          |
| 6,600.0                                                          | 6,577.9               | 6,592.5               | 6,577.2               | 23.9             | 23.7          | -82.21                | 385.9                               | 55.7         | 160.3                  | 112.9                   | 47.43                     | 3.380              |          |
| 6,700.0                                                          | 6,677.0               | 6,691.3               | 6,676.1               | 24.2             | 24.0          | -87.80                | 384.3                               | 54.7         | 159.0                  | 110.8                   | 48.17                     | 3.300              |          |
| 6,740.4                                                          | 6,716.9               | 6,731.2               | 6,715.9               | 24.4             | 24.1          | -90.05                | 383.7                               | 54.3         | 158.9                  | 110.4                   | 48.46                     | 3.278              |          |
| 6,800.0                                                          | 6,776.0               | 6,790.2               | 6,774.9               | 24.6             | 24.3          | -93.35                | 382.9                               | 53.8         | 159.1                  | 110.2                   | 48.89                     | 3.254              |          |
| 6,900.0                                                          | 6,875.0               | 6,889.8               | 6,874.5               | 25.0             | 24.6          | -98.77                | 381.6                               | 53.3         | 160.5                  | 110.9                   | 49.60                     | 3.235              |          |
| 7,000.0                                                          | 6,974.0               | 6,988.5               | 6,973.1               | 25.4             | 24.9          | -104.07               | 380.2                               | 53.0         | 163.0                  | 112.8                   | 50.29                     | 3.242              |          |
| 7,100.0                                                          | 7,073.1               | 7,087.3               | 7,072.0               | 25.8             | 25.2          | -109.19               | 378.7                               | 52.5         | 167.1                  | 116.1                   | 50.96                     | 3.279              |          |
| 7,192.6                                                          | 7,164.8               | 7,180.0               | 7,164.6               | 26.2             | 25.5          | -113.70               | 377.3                               | 52.5         | 171.6                  | 120.1                   | 51.57                     | 3.328              |          |
| 7,200.0                                                          | 7,172.1               | 7,187.3               | 7,172.0               | 26.2             | 25.6          | -114.05               | 377.2                               | 52.5         | 172.0                  | 120.4                   | 51.62                     | 3.332              |          |
| 7,300.0                                                          | 7,271.3               | 7,287.0               | 7,271.6               | 26.6             | 25.9          | -118.24               | 375.7                               | 53.0         | 176.9                  | 124.6                   | 52.28                     | 3.383              |          |
| 7,400.0                                                          | 7,370.8               | 7,386.0               | 7,370.6               | 27.0             | 26.2          | -121.31               | 374.7                               | 53.5         | 181.3                  | 128.3                   | 52.93                     | 3.424              |          |
| 7,500.0                                                          | 7,470.6               | 7,486.2               | 7,470.9               | 27.4             | 26.5          | -123.44               | 374.2                               | 54.1         | 184.5                  | 130.9                   | 53.60                     | 3.443              |          |
| 7,600.0                                                          | 7,570.5               | 7,586.4               | 7,571.0               | 27.7             | 26.9          | -124.88               | 373.5                               | 54.8         | 186.4                  | 132.1                   | 54.27                     | 3.434              |          |
| 7,700.0                                                          | 7,670.4               | 7,686.4               | 7,671.0               | 28.1             | 27.2          | -125.56               | 372.9                               | 55.8         | 186.6                  | 131.6                   | 54.95                     | 3.396              |          |
| 7,726.0                                                          | 7,696.4               | 7,712.1               | 7,696.7               | 28.2             | 27.3          | -93.37                | 372.8                               | 56.0         | 186.4                  | 131.3                   | 55.12                     | 3.382              |          |
| 7,800.0                                                          | 7,770.4               | 7,785.9               | 7,770.5               | 28.4             | 27.5          | -93.47                | 372.5                               | 56.4         | 186.0                  | 130.4                   | 55.63                     | 3.344              |          |
| 7,900.0                                                          | 7,870.4               | 7,885.9               | 7,870.5               | 28.8             | 27.9          | -93.59                | 372.1                               | 57.1         | 185.4                  | 129.1                   | 56.31                     | 3.293              |          |
| 8,000.0                                                          | 7,970.4               | 7,985.9               | 7,970.5               | 29.1             | 28.2          | -93.86                | 371.3                               | 57.7         | 184.9                  | 127.9                   | 56.99                     | 3.244              |          |
| 8,100.0                                                          | 8,070.4               | 8,086.0               | 8,070.6               | 29.5             | 28.5          | -94.23                | 370.2                               | 58.4         | 184.3                  | 126.6                   | 57.66                     | 3.196              |          |
| 8,200.0                                                          | 8,170.4               | 8,185.7               | 8,170.3               | 29.8             | 28.9          | -94.43                | 369.6                               | 59.0         | 183.7                  | 125.4                   | 58.34                     | 3.149              |          |
| 8,262.4                                                          | 8,232.9               | 8,247.3               | 8,231.9               | 30.0             | 29.1          | -94.48                | 369.4                               | 59.2         | 183.5                  | 124.7                   | 58.76                     | 3.123              |          |
| 8,278.6                                                          | 8,249.0               | 8,263.0               | 8,247.5               | 30.1             | 29.1          | -94.45                | 369.5                               | 59.2         | 183.5                  | 124.6                   | 58.87                     | 3.117              |          |
| 8,300.0                                                          | 8,270.4               | 8,283.8               | 8,268.4               | 30.2             | 29.2          | 94.81                 | 369.7                               | 59.1         | 183.6                  | 124.6                   | 59.01                     | 3.112              |          |
| 8,350.0                                                          | 8,320.3               | 8,332.4               | 8,316.9               | 30.3             | 29.4          | 96.25                 | 370.7                               | 58.5         | 184.5                  | 125.2                   | 59.35                     | 3.109 SF           |          |
| 8,400.0                                                          | 8,369.5               | 8,380.9               | 8,365.5               | 30.4             | 29.5          | 98.89                 | 371.8                               | 57.8         | 186.4                  | 126.7                   | 59.69                     | 3.122              |          |
| 8,450.0                                                          | 8,417.9               | 8,428.5               | 8,413.0               | 30.6             | 29.7          | 102.45                | 372.8                               | 57.0         | 189.7                  | 129.7                   | 60.03                     | 3.160              |          |
| 8,500.0                                                          | 8,465.0               | 8,474.6               | 8,459.2               | 30.7             | 29.9          | 106.62                | 373.7                               | 56.1         | 195.4                  | 135.0                   | 60.36                     | 3.237              |          |
| 8,550.0                                                          | 8,510.4               | 8,519.1               | 8,503.6               | 30.8             | 30.0          | 111.07                | 374.6                               | 55.0         | 204.2                  | 143.5                   | 60.66                     | 3.366              |          |
| 8,600.0                                                          | 8,553.8               | 8,561.5               | 8,546.0               | 30.9             | 30.2          | 115.42                | 375.5                               | 54.0         | 216.8                  | 155.9                   | 60.94                     | 3.558              |          |
| 8,650.0                                                          | 8,595.0               | 8,601.5               | 8,586.0               | 30.9             | 30.3          | 119.35                | 376.3                               | 52.9         | 233.8                  | 172.6                   | 61.17                     | 3.822              |          |
| 8,700.0                                                          | 8,633.5               | 8,639.5               | 8,624.0               | 31.0             | 30.4          | 122.74                | 377.1                               | 51.9         | 255.3                  | 194.0                   | 61.37                     | 4.160              |          |
| 8,750.0                                                          | 8,669.0               | 8,674.7               | 8,659.1               | 31.1             | 30.6          | 125.35                | 377.7                               | 50.9         | 281.3                  | 219.8                   | 61.54                     | 4.571              |          |
| 8,800.0                                                          | 8,701.4               | 8,706.7               | 8,691.1               | 31.1             | 30.7          | 127.05                | 378.3                               | 50.1         | 311.5                  | 249.8                   | 61.68                     | 5.049              |          |
| 8,850.0                                                          | 8,730.3               | 8,735.5               | 8,719.9               | 31.1             | 30.8          | 127.80                | 378.8                               | 49.5         | 345.4                  | 283.6                   | 61.80                     | 5.590              |          |
| 8,900.0                                                          | 8,755.6               | 8,760.7               | 8,745.1               | 31.2             | 30.9          | 127.39                | 379.2                               | 48.9         | 382.7                  | 320.8                   | 61.88                     | 6.185              |          |
| 8,950.0                                                          | 8,777.0               | 8,782.0               | 8,766.4               | 31.2             | 30.9          | 125.62                | 379.5                               | 48.5         | 422.9                  | 361.0                   | 61.95                     | 6.827              |          |
| 9,000.0                                                          | 8,794.4               | 8,799.2               | 8,783.6               | 31.3             | 31.0          | 122.12                | 379.7                               | 48.2         | 465.5                  | 403.5                   | 61.99                     | 7.509              |          |
| 9,050.0                                                          | 8,807.6               | 8,812.0               | 8,796.3               | 31.4             | 31.0          | 116.30                | 379.9                               | 47.9         | 510.1                  | 448.1                   | 62.02                     | 8.225              |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design Boros - Boros Federal #124H - Wellbore #1 - Actual |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 181-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  |          |
| 9,100.0                                                          | 8,816.6               | 8,820.4               | 8,804.8               | 31.5             | 31.1          | 107.48                | 380.0                               | 47.8         | 556.1                  | 494.1                   | 62.03                     | 8.966              |          |
| 9,150.0                                                          | 8,821.2               | 8,824.5               | 8,808.9               | 31.7             | 31.1          | 95.07                 | 380.0                               | 47.7         | 603.1                  | 541.1                   | 62.02                     | 9.725              |          |
| 9,178.6                                                          | 8,822.0               | 8,824.8               | 8,809.2               | 31.8             | 31.1          | 86.50                 | 380.0                               | 47.7         | 630.2                  | 568.2                   | 62.00                     | 10.164             |          |
| 9,200.0                                                          | 8,822.0               | 8,824.5               | 8,808.9               | 31.8             | 31.1          | 86.49                 | 380.0                               | 47.7         | 650.7                  | 588.7                   | 61.99                     | 10.495             |          |
| 9,300.0                                                          | 8,822.0               | 8,823.0               | 8,807.4               | 32.2             | 31.1          | 86.48                 | 380.0                               | 47.7         | 746.1                  | 684.1                   | 61.95                     | 12.043             |          |
| 9,400.0                                                          | 8,822.0               | 8,821.6               | 8,806.0               | 32.6             | 31.1          | 86.53                 | 380.0                               | 47.7         | 841.6                  | 779.7                   | 61.91                     | 13.594             |          |
| 9,500.0                                                          | 8,822.0               | 8,820.2               | 8,804.6               | 33.1             | 31.1          | 86.62                 | 380.0                               | 47.8         | 937.2                  | 875.3                   | 61.88                     | 15.145             |          |
| 9,600.0                                                          | 8,822.0               | 8,818.9               | 8,803.3               | 33.7             | 31.1          | 86.73                 | 380.0                               | 47.8         | 1,032.7                | 970.8                   | 61.86                     | 16.694             |          |
| 9,614.7                                                          | 8,822.0               | 8,818.7               | 8,803.1               | 33.8             | 31.1          | 86.75                 | 380.0                               | 47.8         | 1,046.7                | 984.9                   | 61.85                     | 16.923             |          |
| 9,700.0                                                          | 8,822.0               | 8,817.6               | 8,802.0               | 34.3             | 31.1          | 86.55                 | 380.0                               | 47.8         | 1,128.3                | 1,066.5                 | 61.84                     | 18.246             |          |
| 9,800.0                                                          | 8,822.0               | 8,816.3               | 8,800.7               | 35.0             | 31.1          | 86.31                 | 379.9                               | 47.8         | 1,224.7                | 1,162.9                 | 61.83                     | 19.809             |          |
| 9,900.0                                                          | 8,822.0               | 11,127.7              | 10,070.4              | 35.7             | 39.2          | 165.96                | -925.6                              | 57.8         | 1,288.1                | 1,253.1                 | 34.96                     | 36.841             |          |
| 9,982.7                                                          | 8,822.0               | 11,188.2              | 10,070.0              | 36.4             | 39.6          | 165.99                | -986.1                              | 59.0         | 1,287.3                | 1,251.7                 | 35.60                     | 36.159             |          |
| 10,000.0                                                         | 8,822.0               | 11,200.3              | 10,070.0              | 36.5             | 39.7          | 165.99                | -998.3                              | 59.2         | 1,287.3                | 1,251.6                 | 35.73                     | 36.027             |          |
| 10,100.0                                                         | 8,822.0               | 11,302.5              | 10,071.2              | 37.4             | 40.5          | 166.06                | -1,100.5                            | 61.0         | 1,288.2                | 1,251.3                 | 36.81                     | 34.991             |          |
| 10,200.0                                                         | 8,822.0               | 11,429.4              | 10,070.7              | 38.3             | 41.6          | 166.15                | -1,227.3                            | 64.0         | 1,287.4                | 1,249.2                 | 38.19                     | 33.714             |          |
| 10,251.4                                                         | 8,822.0               | 11,457.0              | 10,070.7              | 38.8             | 41.9          | 166.17                | -1,254.9                            | 64.6         | 1,287.1                | 1,248.5                 | 38.53                     | 33.406             |          |
| 10,300.0                                                         | 8,822.0               | 11,489.6              | 10,071.0              | 39.2             | 42.2          | 166.19                | -1,287.4                            | 65.3         | 1,287.4                | 1,248.4                 | 38.93                     | 33.069             |          |
| 10,400.0                                                         | 8,822.0               | 11,588.3              | 10,072.9              | 40.2             | 43.1          | 166.25                | -1,386.1                            | 66.7         | 1,289.0                | 1,248.9                 | 40.10                     | 32.144             |          |
| 10,500.0                                                         | 8,822.0               | 11,703.6              | 10,074.1              | 41.2             | 44.2          | 166.31                | -1,501.4                            | 68.7         | 1,289.8                | 1,248.3                 | 41.48                     | 31.098             |          |
| 10,600.0                                                         | 8,822.0               | 11,767.8              | 10,075.3              | 42.3             | 44.9          | 166.35                | -1,565.6                            | 69.6         | 1,291.4                | 1,249.0                 | 42.37                     | 30.482             |          |
| 10,700.0                                                         | 8,822.0               | 11,858.7              | 10,078.9              | 43.4             | 45.8          | 166.39                | -1,656.4                            | 70.4         | 1,295.1                | 1,251.6                 | 43.56                     | 29.735             |          |
| 10,800.0                                                         | 8,822.0               | 11,980.8              | 10,082.5              | 44.6             | 47.1          | 166.43                | -1,778.5                            | 71.0         | 1,298.0                | 1,252.9                 | 45.10                     | 28.779             |          |
| 10,900.0                                                         | 8,822.0               | 12,090.5              | 10,084.1              | 45.8             | 48.4          | 166.43                | -1,888.2                            | 71.4         | 1,299.5                | 1,252.9                 | 46.57                     | 27.902             |          |
| 11,000.0                                                         | 8,822.0               | 12,199.2              | 10,085.0              | 47.0             | 49.6          | 166.42                | -1,996.9                            | 71.7         | 1,300.5                | 1,252.4                 | 48.07                     | 27.054             |          |
| 11,100.0                                                         | 8,822.0               | 12,321.1              | 10,084.4              | 48.2             | 51.0          | 166.39                | -2,118.8                            | 71.9         | 1,300.0                | 1,250.2                 | 49.77                     | 26.121             |          |
| 11,200.0                                                         | 8,822.0               | 12,414.5              | 10,082.9              | 49.4             | 52.2          | 166.33                | -2,212.1                            | 71.5         | 1,298.7                | 1,247.6                 | 51.15                     | 25.389             |          |
| 11,236.4                                                         | 8,822.0               | 12,442.2              | 10,082.7              | 49.9             | 52.5          | 166.31                | -2,239.9                            | 71.2         | 1,298.6                | 1,247.0                 | 51.58                     | 25.175             |          |
| 11,300.0                                                         | 8,822.0               | 12,505.3              | 10,082.7              | 50.7             | 53.3          | 166.27                | -2,303.0                            | 70.6         | 1,298.8                | 1,246.3                 | 52.53                     | 24.727             |          |
| 11,400.0                                                         | 8,822.0               | 12,614.5              | 10,082.0              | 52.0             | 54.6          | 166.27                | -2,412.1                            | 71.4         | 1,298.2                | 1,244.1                 | 54.11                     | 23.993             |          |
| 11,500.0                                                         | 8,822.0               | 12,720.1              | 10,081.5              | 53.3             | 56.0          | 166.30                | -2,517.7                            | 73.0         | 1,297.5                | 1,241.9                 | 55.63                     | 23.323             |          |
| 11,600.0                                                         | 8,822.0               | 12,831.3              | 10,080.2              | 54.7             | 57.4          | 166.38                | -2,628.9                            | 75.9         | 1,295.9                | 1,238.7                 | 57.21                     | 22.652             |          |
| 11,700.0                                                         | 8,822.0               | 12,952.0              | 10,077.8              | 56.0             | 59.0          | 166.53                | -2,749.5                            | 80.5         | 1,293.2                | 1,234.3                 | 58.88                     | 21.963             |          |
| 11,797.6                                                         | 8,822.0               | 13,003.6              | 10,077.5              | 57.3             | 59.7          | 166.61                | -2,801.0                            | 82.9         | 1,291.6                | 1,231.9                 | 59.67                     | 21.644             |          |
| 11,800.0                                                         | 8,822.0               | 13,004.9              | 10,077.5              | 57.4             | 59.7          | 166.61                | -2,802.3                            | 82.9         | 1,291.6                | 1,231.9                 | 59.69                     | 21.637             |          |
| 11,900.0                                                         | 8,822.0               | 13,065.9              | 10,079.3              | 58.8             | 60.6          | 166.75                | -2,863.2                            | 86.1         | 1,293.3                | 1,232.7                 | 60.59                     | 21.344             |          |
| 12,000.0                                                         | 8,822.0               | 13,137.0              | 10,082.9              | 60.1             | 61.5          | 166.88                | -2,934.1                            | 88.7         | 1,297.6                | 1,236.0                 | 61.64                     | 21.051             |          |
| 12,100.0                                                         | 8,822.0               | 13,216.6              | 10,088.2              | 61.6             | 62.6          | 166.97                | -3,013.6                            | 90.1         | 1,303.8                | 1,240.9                 | 62.83                     | 20.749             |          |
| 12,200.0                                                         | 8,822.0               | 13,362.6              | 10,095.5              | 63.0             | 64.6          | 166.94                | -3,159.3                            | 88.6         | 1,309.1                | 1,244.1                 | 65.00                     | 20.140             |          |
| 12,300.0                                                         | 8,822.0               | 13,484.9              | 10,097.4              | 64.4             | 66.3          | 166.75                | -3,281.6                            | 84.4         | 1,311.5                | 1,244.5                 | 67.00                     | 19.574             |          |
| 12,400.0                                                         | 8,822.0               | 13,620.8              | 10,096.7              | 65.8             | 68.2          | 166.51                | -3,417.4                            | 79.7         | 1,312.0                | 1,242.8                 | 69.25                     | 18.947             |          |
| 12,459.3                                                         | 8,822.0               | 13,666.2              | 10,096.1              | 66.7             | 68.8          | 166.44                | -3,462.7                            | 78.5         | 1,311.8                | 1,241.7                 | 70.05                     | 18.726             |          |
| 12,500.0                                                         | 8,822.0               | 13,699.2              | 10,096.0              | 67.3             | 69.3          | 166.40                | -3,495.7                            | 77.7         | 1,311.9                | 1,241.3                 | 70.62                     | 18.577             |          |
| 12,600.0                                                         | 8,822.0               | 13,783.4              | 10,096.7              | 68.7             | 70.5          | 166.34                | -3,579.9                            | 76.7         | 1,313.1                | 1,241.1                 | 72.03                     | 18.229             |          |
| 12,700.0                                                         | 8,822.0               | 13,880.6              | 10,098.9              | 70.2             | 71.9          | 166.40                | -3,677.1                            | 78.2         | 1,315.1                | 1,241.6                 | 73.53                     | 17.886             |          |
| 12,800.0                                                         | 8,822.0               | 13,972.6              | 10,101.6              | 71.7             | 73.2          | 166.53                | -3,768.9                            | 81.2         | 1,317.3                | 1,242.5                 | 74.88                     | 17.592             |          |
| 12,900.0                                                         | 8,822.0               | 14,063.3              | 10,104.8              | 73.2             | 74.6          | 166.64                | -3,859.6                            | 83.5         | 1,320.3                | 1,244.1                 | 76.24                     | 17.317             |          |
| 13,000.0                                                         | 8,822.0               | 14,155.4              | 10,108.7              | 74.7             | 75.9          | 166.76                | -3,951.6                            | 86.0         | 1,323.9                | 1,246.3                 | 77.62                     | 17.057             |          |
| 13,100.0                                                         | 8,822.0               | 14,253.2              | 10,113.5              | 76.2             | 77.4          | 166.93                | -4,049.2                            | 89.6         | 1,328.0                | 1,249.0                 | 79.02                     | 16.806             |          |
| 13,200.0                                                         | 8,822.0               | 14,343.2              | 10,118.1              | 77.7             | 78.7          | 167.08                | -4,139.1                            | 92.7         | 1,332.3                | 1,252.0                 | 80.33                     | 16.585             |          |
| 13,300.0                                                         | 8,822.0               | 14,471.1              | 10,123.4              | 79.2             | 80.6          | 167.08                | -4,266.8                            | 92.2         | 1,336.8                | 1,254.5                 | 82.33                     | 16.237             |          |
| 13,400.0                                                         | 8,822.0               | 14,620.7              | 10,123.2              | 80.7             | 82.8          | 166.87                | -4,416.3                            | 88.2         | 1,337.3                | 1,252.5                 | 84.83                     | 15.765             |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design Boros - Boros Federal #124H - Wellbore #1 - Actual |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 181-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  |          |
| 13,500.0                                                         | 8,822.0               | 14,725.8              | 10,120.8              | 82.2             | 84.4          | 166.68                | -4,521.3                            | 84.9         | 1,335.9                | 1,249.2                 | 86.70                     | 15.409             |          |
| 13,600.0                                                         | 8,822.0               | 14,825.7              | 10,118.8              | 83.7             | 85.8          | 166.53                | -4,621.2                            | 82.4         | 1,334.6                | 1,246.2                 | 88.47                     | 15.086             |          |
| 13,700.0                                                         | 8,822.0               | 14,939.4              | 10,116.2              | 85.2             | 87.5          | 166.41                | -4,734.9                            | 80.9         | 1,332.9                | 1,242.5                 | 90.40                     | 14.745             |          |
| 13,800.0                                                         | 8,822.0               | 15,046.2              | 10,112.9              | 86.8             | 89.2          | 166.31                | -4,841.6                            | 80.0         | 1,330.2                | 1,238.0                 | 92.22                     | 14.424             |          |
| 13,900.0                                                         | 8,822.0               | 15,166.5              | 10,108.3              | 88.3             | 91.0          | 166.25                | -4,961.8                            | 80.4         | 1,326.6                | 1,232.4                 | 94.18                     | 14.086             |          |
| 14,000.0                                                         | 8,822.0               | 15,261.3              | 10,103.9              | 89.9             | 92.4          | 166.25                | -5,056.5                            | 82.2         | 1,321.8                | 1,226.1                 | 95.74                     | 13.806             |          |
| 14,100.0                                                         | 8,822.0               | 15,316.4              | 10,102.9              | 91.4             | 93.3          | 166.29                | -5,111.6                            | 83.6         | 1,319.5                | 1,222.8                 | 96.75                     | 13.638             |          |
| 14,200.0                                                         | 8,822.0               | 15,430.4              | 10,102.7              | 92.9             | 95.0          | 166.34                | -5,225.6                            | 85.5         | 1,319.2                | 1,220.7                 | 98.53                     | 13.389             |          |
| 14,300.0                                                         | 8,822.0               | 15,542.4              | 10,099.8              | 94.5             | 96.7          | 166.30                | -5,337.5                            | 85.9         | 1,316.8                | 1,216.4                 | 100.38                    | 13.118             |          |
| 14,400.0                                                         | 8,822.0               | 15,613.9              | 10,098.9              | 96.0             | 97.8          | 166.32                | -5,408.9                            | 87.2         | 1,315.3                | 1,213.6                 | 101.61                    | 12.944             |          |
| 14,500.0                                                         | 8,822.0               | 15,747.5              | 10,097.7              | 97.6             | 99.9          | 166.45                | -5,542.5                            | 91.3         | 1,313.9                | 1,210.3                 | 103.55                    | 12.688             |          |
| 14,600.0                                                         | 8,822.0               | 15,888.2              | 10,092.1              | 99.2             | 102.1         | 166.54                | -5,683.0                            | 95.7         | 1,309.4                | 1,203.8                 | 105.58                    | 12.402             |          |
| 14,700.0                                                         | 8,822.0               | 15,963.3              | 10,088.1              | 100.7            | 103.2         | 166.58                | -5,758.0                            | 97.9         | 1,303.8                | 1,196.9                 | 106.89                    | 12.198             |          |
| 14,800.0                                                         | 8,822.0               | 16,034.2              | 10,086.3              | 102.3            | 104.4         | 166.60                | -5,828.8                            | 99.4         | 1,301.0                | 1,192.9                 | 108.13                    | 12.032             |          |
| 14,900.0                                                         | 8,822.0               | 16,128.9              | 10,085.0              | 103.9            | 105.8         | 166.65                | -5,923.5                            | 101.4        | 1,299.2                | 1,189.6                 | 109.65                    | 11.849             |          |
| 15,000.0                                                         | 8,822.0               | 16,226.7              | 10,083.9              | 105.4            | 107.3         | 166.70                | -6,021.2                            | 103.5        | 1,297.9                | 1,186.6                 | 111.21                    | 11.670             |          |
| 15,100.0                                                         | 8,822.0               | 16,320.5              | 10,082.9              | 107.0            | 108.8         | 166.76                | -6,115.1                            | 105.7        | 1,296.4                | 1,183.7                 | 112.70                    | 11.503             |          |
| 15,142.5                                                         | 8,822.0               | 16,351.3              | 10,082.8              | 107.7            | 109.3         | 166.77                | -6,145.8                            | 106.0        | 1,296.2                | 1,183.0                 | 113.23                    | 11.448             |          |
| 15,200.0                                                         | 8,822.0               | 16,393.3              | 10,083.0              | 108.6            | 109.9         | 166.75                | -6,187.8                            | 105.9        | 1,296.6                | 1,182.6                 | 113.97                    | 11.376             |          |
| 15,300.0                                                         | 8,822.0               | 16,483.3              | 10,084.0              | 110.2            | 111.3         | 166.68                | -6,277.9                            | 104.6        | 1,298.2                | 1,182.6                 | 115.57                    | 11.233             |          |
| 15,400.0                                                         | 8,822.0               | 16,611.4              | 10,084.1              | 111.7            | 113.3         | 166.48                | -6,405.8                            | 100.7        | 1,299.2                | 1,181.2                 | 117.92                    | 11.018             |          |
| 15,500.0                                                         | 8,822.0               | 16,716.2              | 10,081.9              | 113.3            | 115.0         | 166.24                | -6,510.5                            | 96.3         | 1,298.2                | 1,178.2                 | 119.98                    | 10.820             |          |
| 15,527.4                                                         | 8,822.0               | 16,736.3              | 10,081.6              | 113.8            | 115.3         | 166.19                | -6,530.7                            | 95.4         | 1,298.1                | 1,177.7                 | 120.40                    | 10.782             |          |
| 15,600.0                                                         | 8,822.0               | 16,794.8              | 10,081.2              | 114.9            | 116.2         | 166.06                | -6,589.1                            | 92.7         | 1,298.6                | 1,177.0                 | 121.59                    | 10.680             |          |
| 15,700.0                                                         | 8,822.0               | 16,895.7              | 10,081.2              | 116.5            | 117.7         | 165.83                | -6,689.9                            | 88.1         | 1,299.8                | 1,176.2                 | 123.60                    | 10.516             |          |
| 15,800.0                                                         | 8,822.0               | 17,020.5              | 10,079.7              | 118.1            | 119.7         | 165.51                | -6,814.5                            | 81.6         | 1,300.2                | 1,174.0                 | 126.12                    | 10.309             |          |
| 15,900.0                                                         | 8,822.0               | 17,159.2              | 10,074.8              | 119.7            | 121.9         | 165.20                | -6,953.0                            | 76.6         | 1,297.8                | 1,169.0                 | 128.78                    | 10.078             |          |
| 16,000.0                                                         | 8,822.0               | 17,324.9              | 10,062.2              | 121.3            | 124.5         | 164.97                | -7,118.2                            | 75.5         | 1,290.3                | 1,158.8                 | 131.49                    | 9.813              |          |
| 16,100.0                                                         | 8,822.0               | 17,420.5              | 10,053.5              | 122.8            | 126.0         | 164.89                | -7,213.4                            | 76.6         | 1,281.4                | 1,148.1                 | 133.27                    | 9.615              |          |
| 16,200.0                                                         | 8,822.0               | 17,488.7              | 10,048.2              | 124.4            | 127.1         | 164.88                | -7,281.3                            | 78.3         | 1,273.6                | 1,138.9                 | 134.68                    | 9.457              |          |
| 16,300.0                                                         | 8,822.0               | 17,534.5              | 10,046.6              | 126.0            | 127.8         | 164.90                | -7,327.1                            | 79.4         | 1,269.6                | 1,133.9                 | 135.72                    | 9.355              |          |
| 16,350.1                                                         | 8,822.0               | 17,561.0              | 10,046.5              | 126.8            | 128.2         | 164.91                | -7,353.6                            | 79.9         | 1,269.2                | 1,133.0                 | 136.21                    | 9.318              |          |
| 16,400.0                                                         | 8,822.0               | 17,606.5              | 10,046.9              | 127.6            | 128.9         | 164.94                | -7,399.1                            | 80.8         | 1,269.5                | 1,132.5                 | 136.95                    | 9.270              |          |
| 16,500.0                                                         | 8,822.0               | 17,696.8              | 10,047.6              | 129.2            | 130.4         | 165.01                | -7,489.4                            | 82.7         | 1,269.9                | 1,131.5                 | 138.39                    | 9.176              |          |
| 16,600.0                                                         | 8,822.0               | 17,780.9              | 10,049.8              | 130.8            | 131.7         | 165.11                | -7,573.4                            | 85.0         | 1,271.9                | 1,132.2                 | 139.66                    | 9.107              |          |
| 16,700.0                                                         | 8,822.0               | 17,903.3              | 10,052.9              | 132.4            | 133.7         | 165.28                | -7,695.7                            | 88.9         | 1,273.7                | 1,132.2                 | 141.43                    | 9.006              |          |
| 16,800.0                                                         | 8,822.0               | 17,982.9              | 10,053.9              | 134.0            | 134.9         | 165.40                | -7,775.3                            | 91.7         | 1,274.4                | 1,131.8                 | 142.61                    | 8.936              |          |
| 16,900.0                                                         | 8,822.0               | 18,039.0              | 10,056.9              | 135.6            | 135.8         | 165.54                | -7,831.1                            | 94.5         | 1,278.4                | 1,135.1                 | 143.27                    | 8.923              |          |
| 17,000.0                                                         | 8,822.0               | 18,156.8              | 10,064.3              | 137.2            | 137.7         | 165.87                | -7,948.6                            | 100.9        | 1,283.3                | 1,138.5                 | 144.74                    | 8.866              |          |
| 17,100.0                                                         | 8,822.0               | 18,310.9              | 10,071.1              | 138.8            | 140.2         | 166.27                | -8,102.3                            | 109.5        | 1,286.8                | 1,140.2                 | 146.64                    | 8.776              |          |
| 17,200.0                                                         | 8,822.0               | 18,451.4              | 10,068.5              | 140.4            | 142.4         | 166.39                | -8,242.6                            | 113.8        | 1,284.2                | 1,135.5                 | 148.65                    | 8.639              |          |
| 17,300.0                                                         | 8,822.0               | 18,526.0              | 10,067.2              | 142.0            | 143.6         | 166.42                | -8,317.3                            | 115.1        | 1,282.2                | 1,132.2                 | 149.97                    | 8.550              |          |
| 17,400.0                                                         | 8,822.0               | 18,634.3              | 10,065.8              | 143.7            | 145.4         | 166.39                | -8,425.5                            | 115.5        | 1,281.0                | 1,129.2                 | 151.81                    | 8.438              |          |
| 17,500.0                                                         | 8,822.0               | 18,743.2              | 10,062.5              | 145.3            | 147.1         | 166.33                | -8,534.4                            | 115.7        | 1,278.1                | 1,124.4                 | 153.70                    | 8.315              |          |
| 17,592.8                                                         | 8,822.0               | 18,805.0              | 10,061.5              | 146.8            | 148.1         | 166.29                | -8,596.1                            | 115.3        | 1,276.9                | 1,122.0                 | 154.92                    | 8.242              |          |
| 17,600.0                                                         | 8,822.0               | 18,805.0              | 10,061.5              | 146.9            | 148.1         | 166.29                | -8,596.1                            | 115.3        | 1,276.9                | 1,122.0                 | 154.94                    | 8.242              |          |
| 17,700.0                                                         | 8,822.0               | 18,869.6              | 10,062.3              | 148.5            | 149.1         | 166.23                | -8,660.7                            | 114.3        | 1,278.7                | 1,122.6                 | 156.13                    | 8.190              |          |
| 17,800.0                                                         | 8,822.0               | 18,951.5              | 10,065.6              | 150.1            | 150.4         | 166.18                | -8,742.5                            | 112.7        | 1,283.2                | 1,125.6                 | 157.58                    | 8.143              |          |
| 17,900.0                                                         | 8,822.0               | 19,059.5              | 10,069.9              | 151.7            | 152.2         | 166.11                | -8,850.4                            | 110.8        | 1,287.6                | 1,128.1                 | 159.55                    | 8.071              |          |
| 18,000.0                                                         | 8,822.0               | 19,171.5              | 10,073.3              | 153.3            | 153.9         | 166.00                | -8,962.3                            | 108.1        | 1,291.3                | 1,129.6                 | 161.66                    | 7.988              |          |
| 18,100.0                                                         | 8,822.0               | 19,284.0              | 10,075.3              | 154.9            | 155.7         | 165.83                | -9,074.8                            | 104.4        | 1,294.0                | 1,130.1                 | 163.90                    | 7.895              |          |
| 18,200.0                                                         | 8,822.0               | 19,398.7              | 10,076.0              | 156.5            | 157.6         | 165.64                | -9,189.4                            | 100.3        | 1,295.6                | 1,129.4                 | 166.21                    | 7.795              |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| <b>Offset Design</b>                               |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | <b>Offset Site Error:</b> | 0.0 usft |
|----------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|----------|
| Boros - Boros Federal #124H - Wellbore #1 - Actual |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | <b>Offset Well Error:</b> | 0.0 usft |
| Survey Program: 181-MWD                            |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                           |          |
| 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  |
| 18,300.0                                           | 8,822.0               | 19,511.6              | 10,076.2              | 158.2            | 159.4         | 165.55                | -9,302.3                            | 99.0         | 1,296.2                | 1,128.0                 | 168.28                    | 7.703                     |          |
| 18,400.0                                           | 8,822.0               | 19,635.0              | 10,074.9              | 159.8            | 161.3         | 165.48                | -9,425.7                            | 98.3         | 1,295.5                | 1,125.1                 | 170.46                    | 7.600                     |          |
| 18,500.0                                           | 8,822.0               | 19,734.9              | 10,072.6              | 161.4            | 162.9         | 165.40                | -9,525.6                            | 97.9         | 1,293.6                | 1,121.2                 | 172.31                    | 7.507                     |          |
| 18,600.0                                           | 8,822.0               | 19,844.0              | 10,070.8              | 163.0            | 164.7         | 165.44                | -9,634.6                            | 99.8         | 1,291.7                | 1,117.6                 | 174.06                    | 7.421                     |          |
| 18,700.0                                           | 8,822.0               | 19,970.9              | 10,066.9              | 164.6            | 166.8         | 165.49                | -9,761.4                            | 102.9        | 1,288.3                | 1,112.3                 | 175.95                    | 7.322                     |          |
| 18,800.0                                           | 8,822.0               | 20,069.7              | 10,063.1              | 166.2            | 168.3         | 165.53                | -9,860.1                            | 105.3        | 1,284.0                | 1,106.4                 | 177.57                    | 7.231                     |          |
| 18,900.0                                           | 8,822.0               | 20,184.6              | 10,057.7              | 167.9            | 170.2         | 165.53                | -9,974.9                            | 107.5        | 1,279.2                | 1,099.8                 | 179.40                    | 7.130                     |          |
| 19,000.0                                           | 8,822.0               | 20,308.6              | 10,049.5              | 169.5            | 172.2         | 165.51                | -10,098.6                           | 109.9        | 1,272.5                | 1,091.1                 | 181.32                    | 7.018                     |          |
| 19,100.0                                           | 8,822.0               | 20,350.0              | 10,046.5              | 171.1            | 172.9         | 165.51                | -10,139.8                           | 110.9        | 1,266.3                | 1,083.8                 | 182.52                    | 6.938                     |          |
| 19,129.9                                           | 8,822.0               | 20,350.0              | 10,046.5              | 171.6            | 172.9         | 165.51                | -10,139.8                           | 110.9        | 1,265.8                | 1,083.2                 | 182.64                    | 6.931                     |          |

# Anticollision Report

|                           |                            |                                     |                          |
|---------------------------|----------------------------|-------------------------------------|--------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design Boros - Boros Federal #134H - 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  |          |
| 0.0                                                                   | 0.0                   | 0.0                   | 0.0                   | 0.0              | 0.0           | 87.05                 | 1.5                                 | 29.9         | 30.0                   |                         |                           |                    |          |
| 100.0                                                                 | 100.0                 | 100.0                 | 100.0                 | 0.1              | 0.1           | 87.05                 | 1.5                                 | 29.9         | 30.0                   | 29.7                    | 0.26                      | 116.907            |          |
| 200.0                                                                 | 200.0                 | 200.0                 | 200.0                 | 0.5              | 0.5           | 87.05                 | 1.5                                 | 29.9         | 30.0                   | 29.0                    | 0.97                      | 30.788             |          |
| 300.0                                                                 | 300.0                 | 300.0                 | 300.0                 | 0.8              | 0.8           | 87.05                 | 1.5                                 | 29.9         | 30.0                   | 28.3                    | 1.69                      | 17.728             |          |
| 400.0                                                                 | 400.0                 | 400.0                 | 400.0                 | 1.2              | 1.2           | 87.05                 | 1.5                                 | 29.9         | 30.0                   | 27.6                    | 2.41                      | 12.448             |          |
| 500.0                                                                 | 500.0                 | 500.0                 | 500.0                 | 1.6              | 1.6           | 87.05                 | 1.5                                 | 29.9         | 30.0                   | 26.8                    | 3.12                      | 9.591              |          |
| 600.0                                                                 | 600.0                 | 600.0                 | 600.0                 | 1.9              | 1.9           | 87.05                 | 1.5                                 | 29.9         | 30.0                   | 26.1                    | 3.84                      | 7.801              |          |
| 700.0                                                                 | 700.0                 | 700.0                 | 700.0                 | 2.3              | 2.3           | 87.05                 | 1.5                                 | 29.9         | 30.0                   | 25.4                    | 4.56                      | 6.574              |          |
| 800.0                                                                 | 800.0                 | 800.0                 | 800.0                 | 2.6              | 2.6           | 87.05                 | 1.5                                 | 29.9         | 30.0                   | 24.7                    | 5.27                      | 5.681              |          |
| 900.0                                                                 | 900.0                 | 900.0                 | 900.0                 | 3.0              | 3.0           | 87.05                 | 1.5                                 | 29.9         | 30.0                   | 24.0                    | 5.99                      | 5.001              |          |
| 1,000.0                                                               | 1,000.0               | 1,000.0               | 1,000.0               | 3.4              | 3.4           | 87.05                 | 1.5                                 | 29.9         | 30.0                   | 23.3                    | 6.71                      | 4.466              |          |
| 1,100.0                                                               | 1,100.0               | 1,100.0               | 1,100.0               | 3.7              | 3.7           | 87.05                 | 1.5                                 | 29.9         | 30.0                   | 22.5                    | 7.43                      | 4.035              |          |
| 1,200.0                                                               | 1,200.0               | 1,200.0               | 1,200.0               | 4.1              | 4.1           | 87.05                 | 1.5                                 | 29.9         | 30.0                   | 21.8                    | 8.14                      | 3.680 CC           |          |
| 1,300.0                                                               | 1,300.0               | 1,299.8               | 1,299.8               | 4.4              | 4.4           | 85.48                 | 2.4                                 | 30.2         | 30.2                   | 21.4                    | 8.86                      | 3.414 ES           |          |
| 1,400.0                                                               | 1,400.0               | 1,399.6               | 1,399.6               | 4.8              | 4.8           | 80.97                 | 4.9                                 | 30.8         | 31.2                   | 21.6                    | 9.57                      | 3.261              |          |
| 1,500.0                                                               | 1,500.0               | 1,499.2               | 1,499.1               | 5.1              | 5.1           | 74.13                 | 9.1                                 | 32.0         | 33.2                   | 22.9                    | 10.29                     | 3.231              |          |
| 1,600.0                                                               | 1,600.0               | 1,598.7               | 1,598.4               | 5.5              | 5.5           | 65.99                 | 14.9                                | 33.5         | 36.7                   | 25.7                    | 11.00                     | 3.341              |          |
| 1,700.0                                                               | 1,700.0               | 1,697.9               | 1,697.3               | 5.9              | 5.9           | 57.75                 | 22.4                                | 35.5         | 42.1                   | 30.4                    | 11.70                     | 3.599              |          |
| 1,800.0                                                               | 1,800.0               | 1,796.9               | 1,795.8               | 6.2              | 6.2           | 50.30                 | 31.5                                | 38.0         | 49.6                   | 37.2                    | 12.40                     | 3.996              |          |
| 1,900.0                                                               | 1,900.0               | 1,895.4               | 1,893.7               | 6.6              | 6.6           | 44.05                 | 42.2                                | 40.9         | 59.1                   | 46.0                    | 13.09                     | 4.515              |          |
| 2,000.0                                                               | 2,000.0               | 2,006.5               | 1,991.0               | 6.9              | 7.0           | 39.02                 | 54.5                                | 44.2         | 70.7                   | 56.9                    | 13.82                     | 5.118              |          |
| 2,100.0                                                               | 2,100.0               | 2,107.5               | 2,089.1               | 7.3              | 7.4           | 35.15                 | 67.8                                | 47.8         | 83.7                   | 69.1                    | 14.54                     | 5.755              |          |
| 2,200.0                                                               | 2,200.0               | 2,208.4               | 2,187.1               | 7.7              | 7.8           | 32.32                 | 81.1                                | 51.3         | 96.9                   | 81.6                    | 15.26                     | 6.350              |          |
| 2,300.0                                                               | 2,300.0               | 2,309.4               | 2,285.2               | 8.0              | 8.2           | 30.17                 | 94.4                                | 54.9         | 110.2                  | 94.3                    | 15.98                     | 6.901              |          |
| 2,400.0                                                               | 2,400.0               | 2,389.6               | 2,383.2               | 8.4              | 8.5           | 28.49                 | 107.8                               | 58.5         | 123.7                  | 107.1                   | 16.62                     | 7.445              |          |
| 2,500.0                                                               | 2,500.0               | 2,488.7               | 2,481.3               | 8.7              | 8.9           | 27.14                 | 121.1                               | 62.1         | 137.3                  | 120.0                   | 17.33                     | 7.922              |          |
| 2,600.0                                                               | 2,600.0               | 2,587.7               | 2,579.4               | 9.1              | 9.2           | 26.04                 | 134.4                               | 65.6         | 151.0                  | 132.9                   | 18.05                     | 8.364              |          |
| 2,700.0                                                               | 2,700.0               | 2,686.7               | 2,677.4               | 9.4              | 9.6           | 25.12                 | 147.7                               | 69.2         | 164.7                  | 145.9                   | 18.77                     | 8.774              |          |
| 2,800.0                                                               | 2,800.0               | 2,785.7               | 2,775.5               | 9.8              | 10.0          | 24.33                 | 161.0                               | 72.8         | 178.4                  | 158.9                   | 19.48                     | 9.156              |          |
| 2,900.0                                                               | 2,900.0               | 2,884.8               | 2,873.6               | 10.2             | 10.4          | 23.66                 | 174.3                               | 76.4         | 192.1                  | 171.9                   | 20.20                     | 9.511              |          |
| 3,000.0                                                               | 3,000.0               | 2,983.8               | 2,971.6               | 10.5             | 10.8          | 23.09                 | 187.6                               | 80.0         | 205.9                  | 185.0                   | 20.92                     | 9.844              |          |
| 3,100.0                                                               | 3,100.0               | 3,082.8               | 3,069.7               | 10.9             | 11.2          | 22.58                 | 200.9                               | 83.5         | 219.7                  | 198.1                   | 21.64                     | 10.154             |          |
| 3,200.0                                                               | 3,200.0               | 3,181.8               | 3,167.7               | 11.2             | 11.6          | 22.13                 | 214.2                               | 87.1         | 233.5                  | 211.1                   | 22.35                     | 10.446             |          |
| 3,300.0                                                               | 3,300.0               | 3,280.9               | 3,265.8               | 11.6             | 12.0          | 21.73                 | 227.5                               | 90.7         | 247.3                  | 224.2                   | 23.07                     | 10.719             |          |
| 3,400.0                                                               | 3,400.0               | 3,379.9               | 3,363.9               | 12.0             | 12.4          | 21.38                 | 240.8                               | 94.3         | 261.2                  | 237.4                   | 23.79                     | 10.976             |          |
| 3,500.0                                                               | 3,500.0               | 3,478.9               | 3,461.9               | 12.3             | 12.8          | 21.06                 | 254.2                               | 97.9         | 275.0                  | 250.5                   | 24.51                     | 11.219             |          |
| 3,600.0                                                               | 3,600.0               | 3,578.0               | 3,560.0               | 12.7             | 13.2          | 20.77                 | 267.5                               | 101.4        | 288.8                  | 263.6                   | 25.23                     | 11.447             |          |
| 3,700.0                                                               | 3,700.0               | 3,677.0               | 3,658.1               | 13.0             | 13.6          | 20.51                 | 280.8                               | 105.0        | 302.7                  | 276.7                   | 25.95                     | 11.664             |          |
| 3,800.0                                                               | 3,800.0               | 3,778.8               | 3,759.0               | 13.4             | 14.0          | 20.26                 | 294.3                               | 108.7        | 316.4                  | 289.7                   | 26.70                     | 11.849             |          |
| 3,900.0                                                               | 3,900.0               | 3,887.4               | 3,866.7               | 13.7             | 14.5          | -12.20                | 306.5                               | 111.9        | 327.1                  | 299.6                   | 27.51                     | 11.890             |          |
| 4,000.0                                                               | 4,000.0               | 3,996.6               | 3,975.5               | 14.1             | 14.9          | -12.43                | 315.7                               | 114.4        | 333.3                  | 305.0                   | 28.30                     | 11.779             |          |
| 4,100.0                                                               | 4,099.9               | 4,106.1               | 4,084.9               | 14.5             | 15.3          | -12.70                | 322.0                               | 116.1        | 335.0                  | 305.9                   | 29.06                     | 11.526             |          |
| 4,200.0                                                               | 4,199.7               | 4,215.6               | 4,194.3               | 14.8             | 15.7          | -13.00                | 325.2                               | 117.0        | 332.1                  | 302.3                   | 29.80                     | 11.144             |          |
| 4,300.0                                                               | 4,299.4               | 4,320.7               | 4,299.4               | 15.2             | 16.0          | -13.35                | 325.7                               | 117.1        | 324.9                  | 294.4                   | 30.51                     | 10.649             |          |
| 4,400.0                                                               | 4,398.9               | 4,420.2               | 4,398.9               | 15.5             | 16.4          | -13.78                | 325.7                               | 117.1        | 315.6                  | 284.4                   | 31.22                     | 10.110             |          |
| 4,500.0                                                               | 4,498.3               | 4,519.6               | 4,498.3               | 15.9             | 16.7          | -14.31                | 325.7                               | 117.1        | 304.6                  | 272.7                   | 31.92                     | 9.542              |          |
| 4,600.0                                                               | 4,597.4               | 4,618.7               | 4,597.4               | 16.2             | 17.0          | -14.98                | 325.7                               | 117.1        | 292.0                  | 259.3                   | 32.63                     | 8.949              |          |
| 4,700.0                                                               | 4,696.4               | 4,717.7               | 4,696.4               | 16.6             | 17.4          | -15.72                | 325.7                               | 117.1        | 278.5                  | 245.2                   | 33.33                     | 8.357              |          |
| 4,800.0                                                               | 4,795.5               | 4,816.8               | 4,795.5               | 17.0             | 17.7          | -16.53                | 325.7                               | 117.1        | 265.1                  | 231.1                   | 34.04                     | 7.790              |          |
| 4,900.0                                                               | 4,894.5               | 4,915.8               | 4,894.5               | 17.3             | 18.0          | -17.43                | 325.7                               | 117.1        | 251.8                  | 217.1                   | 34.74                     | 7.248              |          |
| 5,000.0                                                               | 4,993.5               | 5,014.8               | 4,993.5               | 17.7             | 18.4          | -18.43                | 325.7                               | 117.1        | 238.6                  | 203.1                   | 35.45                     | 6.729              |          |
| 5,100.0                                                               | 5,092.5               | 5,113.8               | 5,092.5               | 18.1             | 18.7          | -19.55                | 325.7                               | 117.1        | 225.4                  | 189.2                   | 36.16                     | 6.233              |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design Boros - Boros Federal #134H - 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  |          |
| 5,200.0                                                               | 5,191.6               | 5,212.9               | 5,191.6               | 18.5             | 19.1          | -20.81                | 325.7                               | 117.1        | 212.3                  | 175.4                   | 36.88                     | 5.757              |          |
| 5,300.0                                                               | 5,290.6               | 5,311.9               | 5,290.6               | 18.8             | 19.4          | -22.22                | 325.7                               | 117.1        | 199.3                  | 161.8                   | 37.59                     | 5.303              |          |
| 5,400.0                                                               | 5,389.6               | 5,410.9               | 5,389.6               | 19.2             | 19.7          | -23.84                | 325.7                               | 117.1        | 186.5                  | 148.2                   | 38.31                     | 4.868              |          |
| 5,500.0                                                               | 5,488.6               | 5,509.9               | 5,488.6               | 19.6             | 20.1          | -25.69                | 325.7                               | 117.1        | 173.9                  | 134.8                   | 39.04                     | 4.454              |          |
| 5,600.0                                                               | 5,587.7               | 5,609.0               | 5,587.7               | 20.0             | 20.4          | -27.83                | 325.7                               | 117.1        | 161.4                  | 121.6                   | 39.76                     | 4.059              |          |
| 5,700.0                                                               | 5,686.7               | 5,708.0               | 5,686.7               | 20.4             | 20.8          | -30.32                | 325.7                               | 117.1        | 149.2                  | 108.7                   | 40.50                     | 3.684              |          |
| 5,800.0                                                               | 5,785.7               | 5,807.0               | 5,785.7               | 20.7             | 21.1          | -33.24                | 325.7                               | 117.1        | 137.3                  | 96.1                    | 41.24                     | 3.330              |          |
| 5,900.0                                                               | 5,884.8               | 5,906.1               | 5,884.8               | 21.1             | 21.5          | -36.70                | 325.7                               | 117.1        | 125.9                  | 83.9                    | 42.00                     | 2.998              |          |
| 6,000.0                                                               | 5,983.8               | 6,005.1               | 5,983.8               | 21.5             | 21.8          | -40.83                | 325.7                               | 117.1        | 115.0                  | 72.2                    | 42.76                     | 2.689              |          |
| 6,100.0                                                               | 6,082.8               | 6,104.1               | 6,082.8               | 21.9             | 22.1          | -45.79                | 325.7                               | 117.1        | 104.8                  | 61.3                    | 43.55                     | 2.407              |          |
| 6,200.0                                                               | 6,181.8               | 6,203.1               | 6,181.8               | 22.3             | 22.5          | -51.74                | 325.7                               | 117.1        | 95.6                   | 51.2                    | 44.36                     | 2.155              |          |
| 6,300.0                                                               | 6,280.9               | 6,302.2               | 6,280.9               | 22.7             | 22.8          | -58.86                | 325.7                               | 117.1        | 87.6                   | 42.4                    | 45.18                     | 1.939              |          |
| 6,400.0                                                               | 6,379.9               | 6,401.2               | 6,379.9               | 23.1             | 23.2          | -67.22                | 325.7                               | 117.1        | 81.2                   | 35.2                    | 46.03                     | 1.765              |          |
| 6,500.0                                                               | 6,478.9               | 6,500.2               | 6,478.9               | 23.5             | 23.5          | -76.74                | 325.7                               | 117.1        | 76.9                   | 30.0                    | 46.86                     | 1.640              |          |
| 6,600.0                                                               | 6,577.9               | 6,600.8               | 6,577.9               | 23.9             | 23.9          | -87.07                | 325.7                               | 117.1        | 74.9                   | 27.2                    | 47.68                     | 1.570              |          |
| 6,627.8                                                               | 6,605.5               | 6,626.8               | 6,605.5               | 24.0             | 24.0          | -90.00                | 325.7                               | 117.1        | 74.8                   | 26.9                    | 47.89                     | 1.561              |          |
| 6,700.0                                                               | 6,677.0               | 6,701.7               | 6,677.0               | 24.2             | 24.2          | -97.58                | 325.7                               | 117.1        | 75.4                   | 27.0                    | 48.44                     | 1.557 SF           |          |
| 6,800.0                                                               | 6,776.0               | 6,802.7               | 6,776.0               | 24.6             | 24.6          | -107.61               | 325.7                               | 117.1        | 78.5                   | 29.4                    | 49.14                     | 1.598              |          |
| 6,900.0                                                               | 6,875.0               | 6,903.7               | 6,875.0               | 25.0             | 24.9          | -116.64               | 325.7                               | 117.1        | 83.8                   | 34.0                    | 49.80                     | 1.683              |          |
| 7,000.0                                                               | 6,974.0               | 7,004.6               | 6,974.0               | 25.4             | 25.3          | -124.45               | 325.7                               | 117.1        | 91.0                   | 40.5                    | 50.43                     | 1.804              |          |
| 7,100.0                                                               | 7,073.1               | 7,105.6               | 7,073.1               | 25.8             | 25.6          | -131.03               | 325.7                               | 117.1        | 99.5                   | 48.5                    | 51.06                     | 1.949              |          |
| 7,192.6                                                               | 7,164.8               | 7,186.1               | 7,164.8               | 26.2             | 25.9          | -136.15               | 325.7                               | 117.1        | 108.5                  | 56.9                    | 51.61                     | 2.102              |          |
| 7,200.0                                                               | 7,172.1               | 7,206.6               | 7,172.1               | 26.2             | 26.0          | -136.53               | 325.7                               | 117.1        | 109.2                  | 57.5                    | 51.70                     | 2.113              |          |
| 7,300.0                                                               | 7,271.3               | 7,307.4               | 7,271.3               | 26.6             | 26.3          | -140.74               | 325.7                               | 117.1        | 118.6                  | 66.2                    | 52.36                     | 2.265              |          |
| 7,400.0                                                               | 7,370.8               | 7,407.9               | 7,370.8               | 27.0             | 26.7          | -143.62               | 325.7                               | 117.1        | 126.4                  | 73.3                    | 53.03                     | 2.383              |          |
| 7,500.0                                                               | 7,470.6               | 7,508.1               | 7,470.6               | 27.4             | 27.0          | -145.53               | 325.7                               | 117.1        | 132.3                  | 78.6                    | 53.71                     | 2.462              |          |
| 7,600.0                                                               | 7,570.5               | 7,608.2               | 7,570.5               | 27.7             | 27.4          | -146.66               | 325.7                               | 117.1        | 136.1                  | 81.7                    | 54.41                     | 2.501              |          |
| 7,700.0                                                               | 7,670.4               | 7,708.3               | 7,670.4               | 28.1             | 27.8          | -147.12               | 325.7                               | 117.1        | 137.8                  | 82.6                    | 55.11                     | 2.500              |          |
| 7,726.0                                                               | 7,696.4               | 7,717.7               | 7,696.4               | 28.2             | 27.8          | -114.90               | 325.7                               | 117.1        | 137.8                  | 82.6                    | 55.23                     | 2.495              |          |
| 7,800.0                                                               | 7,770.4               | 7,808.3               | 7,770.4               | 28.4             | 28.1          | -114.90               | 325.7                               | 117.1        | 137.8                  | 82.0                    | 55.81                     | 2.470              |          |
| 7,900.0                                                               | 7,870.4               | 7,908.3               | 7,870.4               | 28.8             | 28.5          | -114.90               | 325.7                               | 117.1        | 137.8                  | 81.3                    | 56.52                     | 2.439              |          |
| 8,000.0                                                               | 7,970.4               | 8,008.3               | 7,970.4               | 29.1             | 28.8          | -114.90               | 325.7                               | 117.1        | 137.8                  | 80.6                    | 57.22                     | 2.409              |          |
| 8,100.0                                                               | 8,070.4               | 8,108.3               | 8,070.4               | 29.5             | 29.2          | -114.90               | 325.7                               | 117.1        | 137.8                  | 79.9                    | 57.93                     | 2.379              |          |
| 8,200.0                                                               | 8,170.4               | 8,208.3               | 8,170.4               | 29.8             | 29.5          | -114.90               | 325.7                               | 117.1        | 137.8                  | 79.2                    | 58.64                     | 2.351              |          |
| 8,278.6                                                               | 8,249.0               | 8,270.3               | 8,249.0               | 30.1             | 29.7          | -114.90               | 325.7                               | 117.1        | 137.8                  | 78.7                    | 59.13                     | 2.331              |          |
| 8,300.0                                                               | 8,270.4               | 8,308.3               | 8,270.4               | 30.2             | 29.9          | 74.36                 | 325.7                               | 117.1        | 137.7                  | 78.4                    | 59.34                     | 2.321              |          |
| 8,350.0                                                               | 8,320.3               | 8,341.6               | 8,320.3               | 30.3             | 30.0          | 76.08                 | 325.7                               | 117.1        | 136.7                  | 77.0                    | 59.64                     | 2.292              |          |
| 8,400.0                                                               | 8,369.5               | 8,409.2               | 8,369.5               | 30.4             | 30.2          | 79.66                 | 325.7                               | 117.1        | 134.9                  | 74.8                    | 60.08                     | 2.245              |          |
| 8,450.0                                                               | 8,417.9               | 8,439.2               | 8,417.9               | 30.6             | 30.3          | 85.01                 | 325.7                               | 117.1        | 133.2                  | 72.8                    | 60.40                     | 2.205              |          |
| 8,487.2                                                               | 8,453.0               | 8,474.3               | 8,453.0               | 30.7             | 30.4          | 90.00                 | 325.7                               | 117.1        | 132.6                  | 71.9                    | 60.69                     | 2.185              |          |
| 8,500.0                                                               | 8,465.0               | 8,486.3               | 8,465.0               | 30.7             | 30.5          | 91.88                 | 325.7                               | 117.1        | 132.7                  | 71.9                    | 60.80                     | 2.183              |          |
| 8,550.0                                                               | 8,510.4               | 8,531.7               | 8,510.4               | 30.8             | 30.7          | 99.73                 | 325.7                               | 117.1        | 135.0                  | 73.9                    | 61.19                     | 2.207              |          |
| 8,600.0                                                               | 8,553.8               | 8,575.1               | 8,553.8               | 30.9             | 30.8          | 107.79                | 325.7                               | 117.1        | 141.8                  | 80.3                    | 61.54                     | 2.305              |          |
| 8,650.0                                                               | 8,595.0               | 8,616.3               | 8,595.0               | 30.9             | 30.9          | 115.31                | 325.7                               | 117.1        | 154.2                  | 92.4                    | 61.83                     | 2.494              |          |
| 8,700.0                                                               | 8,633.5               | 8,654.8               | 8,633.5               | 31.0             | 31.1          | 121.73                | 325.7                               | 117.1        | 172.7                  | 110.6                   | 62.05                     | 2.782              |          |
| 8,750.0                                                               | 8,669.0               | 8,709.7               | 8,669.0               | 31.1             | 31.3          | 126.77                | 325.7                               | 117.1        | 197.0                  | 134.7                   | 62.29                     | 3.163              |          |
| 8,800.0                                                               | 8,701.4               | 8,722.7               | 8,701.4               | 31.1             | 31.3          | 130.38                | 325.7                               | 117.1        | 226.6                  | 164.3                   | 62.36                     | 3.634              |          |
| 8,850.0                                                               | 8,730.3               | 8,751.6               | 8,730.3               | 31.1             | 31.4          | 132.57                | 325.7                               | 117.1        | 260.8                  | 198.3                   | 62.46                     | 4.175              |          |
| 8,900.0                                                               | 8,755.6               | 8,776.9               | 8,755.6               | 31.2             | 31.5          | 133.33                | 325.7                               | 117.1        | 298.7                  | 236.2                   | 62.54                     | 4.776              |          |
| 8,950.0                                                               | 8,777.0               | 8,801.7               | 8,777.0               | 31.2             | 31.6          | 132.50                | 325.7                               | 117.1        | 339.8                  | 277.2                   | 62.62                     | 5.426              |          |
| 9,000.0                                                               | 8,794.4               | 8,815.7               | 8,794.4               | 31.3             | 31.7          | 129.75                | 325.7                               | 117.1        | 383.4                  | 320.7                   | 62.65                     | 6.119              |          |
| 9,050.0                                                               | 8,807.6               | 8,828.9               | 8,807.6               | 31.4             | 31.7          | 124.39                | 325.7                               | 117.1        | 428.9                  | 366.2                   | 62.68                     | 6.843              |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design Boros - Boros Federal #134H - 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  |          |
| 9,100.0                                                               | 8,816.6               | 8,837.9               | 8,816.6               | 31.5             | 31.7          | 115.23                | 325.7                               | 117.1        | 475.9                  | 413.2                   | 62.70                     | 7.591              |          |
| 9,150.0                                                               | 8,821.2               | 8,842.6               | 8,821.2               | 31.7             | 31.7          | 100.78                | 325.7                               | 117.1        | 523.9                  | 461.2                   | 62.69                     | 8.357              |          |
| 9,178.6                                                               | 8,822.0               | 8,843.3               | 8,822.0               | 31.8             | 31.8          | 90.00                 | 325.7                               | 117.1        | 551.6                  | 488.9                   | 62.68                     | 8.799              |          |
| 9,200.0                                                               | 8,822.0               | 8,843.3               | 8,822.0               | 31.8             | 31.8          | 90.00                 | 325.7                               | 117.1        | 572.4                  | 509.7                   | 62.68                     | 9.133              |          |
| 9,300.0                                                               | 8,822.0               | 8,843.3               | 8,822.0               | 32.2             | 31.8          | 90.00                 | 325.7                               | 117.1        | 669.5                  | 606.9                   | 62.64                     | 10.688             |          |
| 9,400.0                                                               | 8,822.0               | 8,843.3               | 8,822.0               | 32.6             | 31.8          | 90.00                 | 325.7                               | 117.1        | 766.7                  | 704.1                   | 62.62                     | 12.245             |          |
| 9,500.0                                                               | 8,822.0               | 8,843.3               | 8,822.0               | 33.1             | 31.8          | 90.00                 | 325.7                               | 117.1        | 863.8                  | 801.2                   | 62.59                     | 13.800             |          |
| 9,600.0                                                               | 8,822.0               | 8,843.3               | 8,822.0               | 33.7             | 31.8          | 90.00                 | 325.7                               | 117.1        | 960.7                  | 898.1                   | 62.58                     | 15.353             |          |
| 9,614.7                                                               | 8,822.0               | 8,843.3               | 8,822.0               | 33.8             | 31.8          | 90.00                 | 325.7                               | 117.1        | 975.0                  | 912.4                   | 62.57                     | 15.581             |          |
| 9,700.0                                                               | 8,822.0               | 8,843.3               | 8,822.0               | 34.3             | 31.8          | 90.00                 | 325.7                               | 117.1        | 1,057.7                | 995.1                   | 62.56                     | 16.906             |          |
| 9,800.0                                                               | 8,822.0               | 8,843.3               | 8,822.0               | 35.0             | 31.8          | 90.00                 | 325.7                               | 117.1        | 1,155.2                | 1,092.7                 | 62.56                     | 18.467             |          |
| 9,900.0                                                               | 8,822.0               | 8,843.3               | 8,822.0               | 35.7             | 31.8          | 90.00                 | 325.7                               | 117.1        | 1,253.1                | 1,190.6                 | 62.55                     | 20.033             |          |
| 10,000.0                                                              | 8,822.0               | 8,843.3               | 8,822.0               | 36.5             | 31.8          | 90.00                 | 325.7                               | 117.1        | 1,351.3                | 1,288.8                 | 62.55                     | 21.603             |          |
| 10,100.0                                                              | 8,822.0               | 8,843.3               | 8,822.0               | 37.4             | 31.8          | 90.00                 | 325.7                               | 117.1        | 1,449.8                | 1,387.2                 | 62.55                     | 23.176             |          |
| 10,200.0                                                              | 8,822.0               | 8,843.3               | 8,822.0               | 38.3             | 31.8          | 90.00                 | 325.7                               | 117.1        | 1,548.4                | 1,485.9                 | 62.56                     | 24.752             |          |
| 10,300.0                                                              | 8,822.0               | 8,843.3               | 8,822.0               | 39.2             | 31.8          | 90.00                 | 325.7                               | 117.1        | 1,647.2                | 1,584.7                 | 62.57                     | 26.328             |          |
| 10,400.0                                                              | 8,822.0               | 8,843.3               | 8,822.0               | 40.2             | 31.8          | 90.00                 | 325.7                               | 117.1        | 1,746.2                | 1,683.6                 | 62.57                     | 27.906             |          |
| 10,500.0                                                              | 8,822.0               | 8,843.3               | 8,822.0               | 41.2             | 31.8          | 90.00                 | 325.7                               | 117.1        | 1,845.2                | 1,782.7                 | 62.58                     | 29.484             |          |
| 10,600.0                                                              | 8,822.0               | 12,457.0              | 10,725.0              | 42.3             | 47.7          | 179.98                | -1,601.5                            | 373.8        | 1,903.0                | 1,864.1                 | 38.86                     | 48.976             |          |
| 10,700.0                                                              | 8,822.0               | 12,557.0              | 10,725.0              | 43.4             | 48.6          | 179.98                | -1,701.5                            | 374.4        | 1,903.0                | 1,862.9                 | 40.08                     | 47.478             |          |
| 10,800.0                                                              | 8,822.0               | 12,657.0              | 10,725.0              | 44.6             | 49.7          | 179.98                | -1,801.5                            | 375.1        | 1,903.0                | 1,861.7                 | 41.33                     | 46.043             |          |
| 10,900.0                                                              | 8,822.0               | 12,757.0              | 10,725.0              | 45.8             | 50.7          | 179.98                | -1,901.5                            | 375.7        | 1,903.0                | 1,860.4                 | 42.60                     | 44.671             |          |
| 11,000.0                                                              | 8,822.0               | 12,857.0              | 10,725.0              | 47.0             | 51.8          | 179.98                | -2,001.5                            | 376.3        | 1,903.0                | 1,859.1                 | 43.89                     | 43.359             |          |
| 11,100.0                                                              | 8,822.0               | 12,957.0              | 10,725.0              | 48.2             | 52.9          | 179.98                | -2,101.5                            | 376.9        | 1,903.0                | 1,857.8                 | 45.20                     | 42.106             |          |
| 11,200.0                                                              | 8,822.0               | 13,057.0              | 10,725.0              | 49.4             | 54.1          | 179.98                | -2,201.5                            | 377.6        | 1,903.0                | 1,856.5                 | 46.52                     | 40.909             |          |
| 11,300.0                                                              | 8,822.0               | 13,157.0              | 10,725.0              | 50.7             | 55.2          | 179.98                | -2,301.5                            | 378.2        | 1,903.0                | 1,855.1                 | 47.85                     | 39.767             |          |
| 11,400.0                                                              | 8,822.0               | 13,257.0              | 10,725.0              | 52.0             | 56.4          | 179.98                | -2,401.5                            | 378.8        | 1,903.0                | 1,853.8                 | 49.20                     | 38.675             |          |
| 11,500.0                                                              | 8,822.0               | 13,357.0              | 10,725.0              | 53.3             | 57.6          | 179.98                | -2,501.5                            | 379.5        | 1,903.0                | 1,852.4                 | 50.57                     | 37.633             |          |
| 11,600.0                                                              | 8,822.0               | 13,457.0              | 10,725.0              | 54.7             | 58.9          | 179.98                | -2,601.5                            | 380.1        | 1,903.0                | 1,851.1                 | 51.94                     | 36.638             |          |
| 11,700.0                                                              | 8,822.0               | 13,557.0              | 10,725.0              | 56.0             | 60.1          | 179.98                | -2,701.5                            | 380.7        | 1,903.0                | 1,849.7                 | 53.33                     | 35.686             |          |
| 11,800.0                                                              | 8,822.0               | 13,657.0              | 10,725.0              | 57.4             | 61.4          | 179.98                | -2,801.5                            | 381.4        | 1,903.0                | 1,848.3                 | 54.72                     | 34.777             |          |
| 11,900.0                                                              | 8,822.0               | 13,757.0              | 10,725.0              | 58.8             | 62.7          | 179.98                | -2,901.5                            | 382.0        | 1,903.0                | 1,846.9                 | 56.12                     | 33.907             |          |
| 12,000.0                                                              | 8,822.0               | 13,857.0              | 10,725.0              | 60.1             | 64.0          | 179.98                | -3,001.5                            | 382.6        | 1,903.0                | 1,845.5                 | 57.54                     | 33.075             |          |
| 12,100.0                                                              | 8,822.0               | 13,957.0              | 10,725.0              | 61.6             | 65.3          | 179.98                | -3,101.5                            | 383.2        | 1,903.0                | 1,844.0                 | 58.96                     | 32.279             |          |
| 12,200.0                                                              | 8,822.0               | 14,057.0              | 10,725.0              | 63.0             | 66.7          | 179.98                | -3,201.5                            | 383.9        | 1,903.0                | 1,842.6                 | 60.38                     | 31.516             |          |
| 12,300.0                                                              | 8,822.0               | 14,157.0              | 10,725.0              | 64.4             | 68.0          | 179.98                | -3,301.5                            | 384.5        | 1,903.0                | 1,841.2                 | 61.82                     | 30.785             |          |
| 12,400.0                                                              | 8,822.0               | 14,257.0              | 10,725.0              | 65.8             | 69.4          | 179.98                | -3,401.5                            | 385.1        | 1,903.0                | 1,839.7                 | 63.26                     | 30.084             |          |
| 12,500.0                                                              | 8,822.0               | 14,357.0              | 10,725.0              | 67.3             | 70.8          | 179.98                | -3,501.5                            | 385.8        | 1,903.0                | 1,838.3                 | 64.70                     | 29.411             |          |
| 12,600.0                                                              | 8,822.0               | 14,457.0              | 10,725.0              | 68.7             | 72.2          | 179.98                | -3,601.5                            | 386.4        | 1,903.0                | 1,836.8                 | 66.16                     | 28.766             |          |
| 12,700.0                                                              | 8,822.0               | 14,557.0              | 10,725.0              | 70.2             | 73.6          | 179.98                | -3,701.5                            | 387.0        | 1,903.0                | 1,835.4                 | 67.61                     | 28.146             |          |
| 12,800.0                                                              | 8,822.0               | 14,657.0              | 10,725.0              | 71.7             | 75.0          | 179.98                | -3,801.5                            | 387.7        | 1,903.0                | 1,833.9                 | 69.07                     | 27.550             |          |
| 12,900.0                                                              | 8,822.0               | 14,757.0              | 10,725.0              | 73.2             | 76.4          | 179.98                | -3,901.5                            | 388.3        | 1,903.0                | 1,832.5                 | 70.54                     | 26.977             |          |
| 13,000.0                                                              | 8,822.0               | 14,857.0              | 10,725.0              | 74.7             | 77.8          | 179.98                | -4,001.5                            | 388.9        | 1,903.0                | 1,831.0                 | 72.01                     | 26.426             |          |
| 13,100.0                                                              | 8,822.0               | 14,957.0              | 10,725.0              | 76.2             | 79.3          | 179.98                | -4,101.5                            | 389.5        | 1,903.0                | 1,829.5                 | 73.49                     | 25.896             |          |
| 13,200.0                                                              | 8,822.0               | 15,057.0              | 10,725.0              | 77.7             | 80.7          | 179.98                | -4,201.5                            | 390.2        | 1,903.0                | 1,828.0                 | 74.96                     | 25.385             |          |
| 13,300.0                                                              | 8,822.0               | 15,157.0              | 10,725.0              | 79.2             | 82.2          | 179.98                | -4,301.5                            | 390.8        | 1,903.0                | 1,826.6                 | 76.45                     | 24.893             |          |
| 13,400.0                                                              | 8,822.0               | 15,257.0              | 10,725.0              | 80.7             | 83.6          | 179.98                | -4,401.5                            | 391.4        | 1,903.0                | 1,825.1                 | 77.93                     | 24.419             |          |
| 13,500.0                                                              | 8,822.0               | 15,357.0              | 10,725.0              | 82.2             | 85.1          | 179.99                | -4,501.5                            | 392.1        | 1,903.0                | 1,823.6                 | 79.42                     | 23.961             |          |
| 13,600.0                                                              | 8,822.0               | 15,457.0              | 10,725.0              | 83.7             | 86.6          | 179.99                | -4,601.5                            | 392.7        | 1,903.0                | 1,822.1                 | 80.91                     | 23.519             |          |
| 13,700.0                                                              | 8,822.0               | 15,557.0              | 10,725.0              | 85.2             | 88.1          | 179.99                | -4,701.5                            | 393.3        | 1,903.0                | 1,820.6                 | 82.41                     | 23.092             |          |
| 13,800.0                                                              | 8,822.0               | 15,657.0              | 10,725.0              | 86.8             | 89.6          | 179.99                | -4,801.5                            | 394.0        | 1,903.0                | 1,819.1                 | 83.91                     | 22.680             |          |
| 13,900.0                                                              | 8,822.0               | 15,757.0              | 10,725.0              | 88.3             | 91.0          | 179.99                | -4,901.5                            | 394.6        | 1,903.0                | 1,817.6                 | 85.41                     | 22.282             |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design Boros - Boros Federal #134H - 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  |          |
| 14,000.0                                                              | 8,822.0               | 15,857.0              | 10,725.0              | 89.9             | 92.5          | 179.99                | -5,001.5                            | 395.2        | 1,903.0                | 1,816.1                 | 86.91                     | 21.897             |          |
| 14,100.0                                                              | 8,822.0               | 15,957.0              | 10,725.0              | 91.4             | 94.1          | 179.99                | -5,101.5                            | 395.8        | 1,903.0                | 1,814.6                 | 88.41                     | 21.524             |          |
| 14,200.0                                                              | 8,822.0               | 16,057.0              | 10,725.0              | 92.9             | 95.6          | 179.99                | -5,201.5                            | 396.5        | 1,903.0                | 1,813.1                 | 89.92                     | 21.163             |          |
| 14,300.0                                                              | 8,822.0               | 16,157.0              | 10,725.0              | 94.5             | 97.1          | 179.99                | -5,301.5                            | 397.1        | 1,903.0                | 1,811.6                 | 91.43                     | 20.814             |          |
| 14,400.0                                                              | 8,822.0               | 16,257.0              | 10,725.0              | 96.0             | 98.6          | 179.99                | -5,401.5                            | 397.7        | 1,903.0                | 1,810.1                 | 92.94                     | 20.476             |          |
| 14,500.0                                                              | 8,822.0               | 16,357.0              | 10,725.0              | 97.6             | 100.1         | 179.99                | -5,501.5                            | 398.4        | 1,903.0                | 1,808.5                 | 94.45                     | 20.148             |          |
| 14,600.0                                                              | 8,822.0               | 16,457.0              | 10,725.0              | 99.2             | 101.6         | 179.99                | -5,601.5                            | 399.0        | 1,903.0                | 1,807.0                 | 95.97                     | 19.830             |          |
| 14,700.0                                                              | 8,822.0               | 16,557.0              | 10,725.0              | 100.7            | 103.2         | 179.99                | -5,701.5                            | 399.6        | 1,903.0                | 1,805.5                 | 97.48                     | 19.521             |          |
| 14,800.0                                                              | 8,822.0               | 16,657.0              | 10,725.0              | 102.3            | 104.7         | 179.99                | -5,801.5                            | 400.3        | 1,903.0                | 1,804.0                 | 99.00                     | 19.222             |          |
| 14,900.0                                                              | 8,822.0               | 16,757.0              | 10,725.0              | 103.9            | 106.2         | 179.99                | -5,901.5                            | 400.9        | 1,903.0                | 1,802.5                 | 100.52                    | 18.931             |          |
| 15,000.0                                                              | 8,822.0               | 16,857.0              | 10,725.0              | 105.4            | 107.8         | 179.99                | -6,001.5                            | 401.5        | 1,903.0                | 1,801.0                 | 102.04                    | 18.649             |          |
| 15,100.0                                                              | 8,822.0               | 16,957.0              | 10,725.0              | 107.0            | 109.3         | 179.99                | -6,101.5                            | 402.1        | 1,903.0                | 1,799.4                 | 103.56                    | 18.375             |          |
| 15,200.0                                                              | 8,822.0               | 17,057.0              | 10,725.0              | 108.6            | 110.9         | 179.99                | -6,201.5                            | 402.8        | 1,903.0                | 1,797.9                 | 105.09                    | 18.108             |          |
| 15,300.0                                                              | 8,822.0               | 17,157.0              | 10,725.0              | 110.2            | 112.4         | 179.99                | -6,301.4                            | 403.4        | 1,903.0                | 1,796.4                 | 106.61                    | 17.849             |          |
| 15,400.0                                                              | 8,822.0               | 17,257.0              | 10,725.0              | 111.7            | 114.0         | 179.99                | -6,401.4                            | 404.0        | 1,903.0                | 1,794.9                 | 108.14                    | 17.597             |          |
| 15,500.0                                                              | 8,822.0               | 17,357.0              | 10,725.0              | 113.3            | 115.5         | 179.99                | -6,501.4                            | 404.7        | 1,903.0                | 1,793.3                 | 109.67                    | 17.352             |          |
| 15,600.0                                                              | 8,822.0               | 17,457.0              | 10,725.0              | 114.9            | 117.1         | 179.99                | -6,601.4                            | 405.3        | 1,903.0                | 1,791.8                 | 111.20                    | 17.114             |          |
| 15,700.0                                                              | 8,822.0               | 17,557.0              | 10,725.0              | 116.5            | 118.7         | 179.99                | -6,701.4                            | 405.9        | 1,903.0                | 1,790.3                 | 112.73                    | 16.881             |          |
| 15,800.0                                                              | 8,822.0               | 17,657.0              | 10,725.0              | 118.1            | 120.2         | 179.99                | -6,801.4                            | 406.6        | 1,903.0                | 1,788.7                 | 114.26                    | 16.655             |          |
| 15,900.0                                                              | 8,822.0               | 17,757.0              | 10,725.0              | 119.7            | 121.8         | 179.99                | -6,901.4                            | 407.2        | 1,903.0                | 1,787.2                 | 115.79                    | 16.435             |          |
| 16,000.0                                                              | 8,822.0               | 17,857.0              | 10,725.0              | 121.3            | 123.4         | 179.99                | -7,001.4                            | 407.8        | 1,903.0                | 1,785.7                 | 117.32                    | 16.220             |          |
| 16,100.0                                                              | 8,822.0               | 17,957.0              | 10,725.0              | 122.8            | 124.9         | 179.99                | -7,101.4                            | 408.4        | 1,903.0                | 1,784.1                 | 118.86                    | 16.011             |          |
| 16,200.0                                                              | 8,822.0               | 18,057.0              | 10,725.0              | 124.4            | 126.5         | 179.99                | -7,201.4                            | 409.1        | 1,903.0                | 1,782.6                 | 120.39                    | 15.807             |          |
| 16,300.0                                                              | 8,822.0               | 18,157.0              | 10,725.0              | 126.0            | 128.1         | 179.99                | -7,301.4                            | 409.7        | 1,903.0                | 1,781.1                 | 121.93                    | 15.607             |          |
| 16,400.0                                                              | 8,822.0               | 18,257.0              | 10,725.0              | 127.6            | 129.7         | 179.99                | -7,401.4                            | 410.3        | 1,903.0                | 1,779.5                 | 123.47                    | 15.413             |          |
| 16,500.0                                                              | 8,822.0               | 18,357.0              | 10,725.0              | 129.2            | 131.2         | 179.99                | -7,501.4                            | 411.0        | 1,903.0                | 1,778.0                 | 125.00                    | 15.224             |          |
| 16,600.0                                                              | 8,822.0               | 18,457.0              | 10,725.0              | 130.8            | 132.8         | 179.99                | -7,601.4                            | 411.6        | 1,903.0                | 1,776.5                 | 126.54                    | 15.039             |          |
| 16,700.0                                                              | 8,822.0               | 18,557.0              | 10,725.0              | 132.4            | 134.4         | 179.99                | -7,701.4                            | 412.2        | 1,903.0                | 1,774.9                 | 128.08                    | 14.858             |          |
| 16,800.0                                                              | 8,822.0               | 18,657.0              | 10,725.0              | 134.0            | 136.0         | 179.99                | -7,801.4                            | 412.9        | 1,903.0                | 1,773.4                 | 129.62                    | 14.681             |          |
| 16,900.0                                                              | 8,822.0               | 18,757.0              | 10,725.0              | 135.6            | 137.6         | 179.99                | -7,901.4                            | 413.5        | 1,903.0                | 1,771.8                 | 131.16                    | 14.509             |          |
| 17,000.0                                                              | 8,822.0               | 18,857.0              | 10,725.0              | 137.2            | 139.1         | 179.99                | -8,001.4                            | 414.1        | 1,903.0                | 1,770.3                 | 132.70                    | 14.340             |          |
| 17,100.0                                                              | 8,822.0               | 18,957.0              | 10,725.0              | 138.8            | 140.7         | 179.99                | -8,101.4                            | 414.7        | 1,903.0                | 1,768.8                 | 134.24                    | 14.176             |          |
| 17,200.0                                                              | 8,822.0               | 19,057.0              | 10,725.0              | 140.4            | 142.3         | 179.99                | -8,201.4                            | 415.4        | 1,903.0                | 1,767.2                 | 135.79                    | 14.015             |          |
| 17,300.0                                                              | 8,822.0               | 19,157.0              | 10,725.0              | 142.0            | 143.9         | 179.99                | -8,301.4                            | 416.0        | 1,903.0                | 1,765.7                 | 137.33                    | 13.857             |          |
| 17,400.0                                                              | 8,822.0               | 19,257.0              | 10,725.0              | 143.7            | 145.5         | 179.99                | -8,401.4                            | 416.6        | 1,903.0                | 1,764.1                 | 138.87                    | 13.703             |          |
| 17,500.0                                                              | 8,822.0               | 19,357.0              | 10,725.0              | 145.3            | 147.1         | 179.99                | -8,501.4                            | 417.3        | 1,903.0                | 1,762.6                 | 140.42                    | 13.552             |          |
| 17,600.0                                                              | 8,822.0               | 19,457.0              | 10,725.0              | 146.9            | 148.7         | 180.00                | -8,601.4                            | 417.9        | 1,903.0                | 1,761.0                 | 141.96                    | 13.405             |          |
| 17,700.0                                                              | 8,822.0               | 19,557.0              | 10,725.0              | 148.5            | 150.3         | 180.00                | -8,701.4                            | 418.5        | 1,903.0                | 1,759.5                 | 143.51                    | 13.261             |          |
| 17,800.0                                                              | 8,822.0               | 19,657.0              | 10,725.0              | 150.1            | 151.9         | 180.00                | -8,801.4                            | 419.2        | 1,903.0                | 1,757.9                 | 145.05                    | 13.119             |          |
| 17,900.0                                                              | 8,822.0               | 19,757.0              | 10,725.0              | 151.7            | 153.5         | 180.00                | -8,901.4                            | 419.8        | 1,903.0                | 1,756.4                 | 146.60                    | 12.981             |          |
| 18,000.0                                                              | 8,822.0               | 19,857.0              | 10,725.0              | 153.3            | 155.1         | 180.00                | -9,001.4                            | 420.4        | 1,903.0                | 1,754.9                 | 148.15                    | 12.845             |          |
| 18,100.0                                                              | 8,822.0               | 19,957.0              | 10,725.0              | 154.9            | 156.7         | 180.00                | -9,101.4                            | 421.0        | 1,903.0                | 1,753.3                 | 149.69                    | 12.713             |          |
| 18,200.0                                                              | 8,822.0               | 20,057.0              | 10,725.0              | 156.5            | 158.3         | 180.00                | -9,201.4                            | 421.7        | 1,903.0                | 1,751.8                 | 151.24                    | 12.583             |          |
| 18,300.0                                                              | 8,822.0               | 20,157.0              | 10,725.0              | 158.2            | 159.9         | 180.00                | -9,301.4                            | 422.3        | 1,903.0                | 1,750.2                 | 152.79                    | 12.455             |          |
| 18,400.0                                                              | 8,822.0               | 20,257.0              | 10,725.0              | 159.8            | 161.5         | 180.00                | -9,401.4                            | 422.9        | 1,903.0                | 1,748.7                 | 154.34                    | 12.330             |          |
| 18,500.0                                                              | 8,822.0               | 20,357.0              | 10,725.0              | 161.4            | 163.1         | 180.00                | -9,501.4                            | 423.6        | 1,903.0                | 1,747.1                 | 155.89                    | 12.208             |          |
| 18,600.0                                                              | 8,822.0               | 20,457.0              | 10,725.0              | 163.0            | 164.7         | 180.00                | -9,601.4                            | 424.2        | 1,903.0                | 1,745.6                 | 157.44                    | 12.087             |          |
| 18,700.0                                                              | 8,822.0               | 20,557.0              | 10,725.0              | 164.6            | 166.3         | 180.00                | -9,701.4                            | 424.8        | 1,903.0                | 1,744.0                 | 158.99                    | 11.970             |          |
| 18,800.0                                                              | 8,822.0               | 20,657.0              | 10,725.0              | 166.2            | 167.9         | 180.00                | -9,801.4                            | 425.5        | 1,903.0                | 1,742.5                 | 160.54                    | 11.854             |          |
| 18,900.0                                                              | 8,822.0               | 20,757.0              | 10,725.0              | 167.9            | 169.5         | 180.00                | -9,901.4                            | 426.1        | 1,903.0                | 1,740.9                 | 162.09                    | 11.741             |          |
| 18,907.1                                                              | 8,822.0               | 20,764.1              | 10,725.0              | 168.0            | 169.7         | 180.00                | -9,908.5                            | 426.1        | 1,903.0                | 1,740.8                 | 162.20                    | 11.733             |          |
| 19,000.0                                                              | 8,822.0               | 20,846.3              | 10,725.0              | 169.5            | 171.0         | 180.00                | -9,990.7                            | 426.6        | 1,903.0                | 1,739.5                 | 163.51                    | 11.638             |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| <b>Offset Design</b> Boros - Boros Federal #134H - Wellbore #1 - BLM Plan #2 |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | <b>Offset Site Error:</b> | 0.0 usft |
|------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|----------|
| Survey Program: 0-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  |
| 19,100.0                                                                     | 8,822.0               | 20,846.3              | 10,725.0              | 171.1            | 171.0         | 180.00                | -9,990.7                            | 426.6        | 1,906.2                | 1,742.5                 | 163.71                    | 11.644                    |          |
| 19,129.9                                                                     | 8,822.0               | 20,846.3              | 10,725.0              | 171.6            | 171.0         | 180.00                | -9,990.7                            | 426.6        | 1,908.2                | 1,744.5                 | 163.70                    | 11.657                    |          |

# Anticollision Report

|                           |                            |                                     |                          |
|---------------------------|----------------------------|-------------------------------------|--------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|-------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 182-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           | -89.89                | 0.3                                 | -140.2       | 140.2                  |                         |                           |                    |          |
| 100.0                   | 100.0                 | 97.0                  | 97.0                  | 0.1              | 0.1           | -89.94                | 0.1                                 | -140.2       | 140.2                  | 139.9                   | 0.27                      | 509.764            |          |
| 200.0                   | 200.0                 | 197.1                 | 197.1                 | 0.5              | 0.3           | -90.12                | -0.3                                | -140.1       | 140.1                  | 139.3                   | 0.78                      | 178.552            |          |
| 203.0                   | 203.0                 | 200.0                 | 200.0                 | 0.5              | 0.3           | -90.12                | -0.3                                | -140.1       | 140.1                  | 139.3                   | 0.80                      | 175.175 CC         |          |
| 300.0                   | 300.0                 | 296.8                 | 296.8                 | 0.8              | 0.7           | -90.33                | -0.8                                | -140.2       | 140.2                  | 138.6                   | 1.53                      | 91.495             |          |
| 400.0                   | 400.0                 | 396.5                 | 396.5                 | 1.2              | 1.0           | -90.57                | -1.4                                | -140.4       | 140.4                  | 138.2                   | 2.25                      | 62.475             |          |
| 500.0                   | 500.0                 | 496.4                 | 496.4                 | 1.6              | 1.4           | -90.83                | -2.0                                | -140.8       | 140.8                  | 137.9                   | 2.96                      | 47.524             |          |
| 600.0                   | 600.0                 | 596.4                 | 596.4                 | 1.9              | 1.8           | -91.05                | -2.6                                | -141.2       | 141.2                  | 137.6                   | 3.68                      | 38.401             |          |
| 700.0                   | 700.0                 | 695.6                 | 695.6                 | 2.3              | 2.1           | -91.20                | -3.0                                | -141.9       | 141.9                  | 137.5                   | 4.39                      | 32.337 ES          |          |
| 800.0                   | 800.0                 | 794.9                 | 794.9                 | 2.6              | 2.5           | -91.43                | -3.6                                | -143.1       | 143.2                  | 138.1                   | 5.10                      | 28.067             |          |
| 900.0                   | 900.0                 | 894.4                 | 894.3                 | 3.0              | 2.8           | -91.61                | -4.1                                | -144.7       | 144.8                  | 139.0                   | 5.81                      | 24.917             |          |
| 1,000.0                 | 1,000.0               | 994.0                 | 994.0                 | 3.4              | 3.2           | -91.74                | -4.4                                | -146.7       | 146.8                  | 140.3                   | 6.52                      | 22.506             |          |
| 1,100.0                 | 1,100.0               | 1,094.0               | 1,093.9               | 3.7              | 3.5           | -91.72                | -4.5                                | -148.7       | 148.8                  | 141.6                   | 7.24                      | 20.567             |          |
| 1,200.0                 | 1,200.0               | 1,193.7               | 1,193.6               | 4.1              | 3.9           | -91.75                | -4.6                                | -151.0       | 151.1                  | 143.2                   | 7.95                      | 19.017             |          |
| 1,300.0                 | 1,300.0               | 1,294.7               | 1,294.6               | 4.4              | 4.2           | -91.68                | -4.5                                | -152.8       | 152.9                  | 144.3                   | 8.66                      | 17.653             |          |
| 1,400.0                 | 1,400.0               | 1,394.6               | 1,394.5               | 4.8              | 4.6           | -91.46                | -3.9                                | -154.4       | 154.5                  | 145.1                   | 9.37                      | 16.481             |          |
| 1,500.0                 | 1,500.0               | 1,495.0               | 1,494.8               | 5.1              | 4.9           | -91.07                | -2.9                                | -156.0       | 156.1                  | 146.0                   | 10.08                     | 15.479             |          |
| 1,600.0                 | 1,600.0               | 1,595.5               | 1,595.3               | 5.5              | 5.3           | -90.39                | -1.1                                | -157.3       | 157.3                  | 146.5                   | 10.79                     | 14.579             |          |
| 1,700.0                 | 1,700.0               | 1,693.2               | 1,693.0               | 5.9              | 5.6           | -89.17                | 2.3                                 | -158.9       | 159.0                  | 147.5                   | 11.48                     | 13.845             |          |
| 1,800.0                 | 1,800.0               | 1,792.0               | 1,791.6               | 6.2              | 6.0           | -87.12                | 8.1                                 | -161.7       | 162.0                  | 149.8                   | 12.18                     | 13.293             |          |
| 1,900.0                 | 1,900.0               | 1,891.1               | 1,890.4               | 6.6              | 6.3           | -84.98                | 14.5                                | -164.9       | 165.6                  | 152.8                   | 12.89                     | 12.853             |          |
| 2,000.0                 | 2,000.0               | 1,990.7               | 1,989.7               | 6.9              | 6.7           | -83.06                | 20.5                                | -168.4       | 169.8                  | 156.2                   | 13.60                     | 12.488             |          |
| 2,100.0                 | 2,100.0               | 2,090.4               | 2,089.2               | 7.3              | 7.0           | -81.35                | 26.2                                | -172.0       | 174.2                  | 159.9                   | 14.31                     | 12.175             |          |
| 2,200.0                 | 2,200.0               | 2,190.3               | 2,188.9               | 7.7              | 7.4           | -79.83                | 31.5                                | -175.7       | 178.7                  | 163.7                   | 15.02                     | 11.898             |          |
| 2,300.0                 | 2,300.0               | 2,290.2               | 2,288.5               | 8.0              | 7.7           | -78.25                | 37.2                                | -179.1       | 183.2                  | 167.4                   | 15.73                     | 11.644             |          |
| 2,400.0                 | 2,400.0               | 2,389.1               | 2,387.2               | 8.4              | 8.1           | -76.77                | 43.0                                | -182.9       | 188.2                  | 171.7                   | 16.44                     | 11.446             |          |
| 2,500.0                 | 2,500.0               | 2,489.4               | 2,487.3               | 8.7              | 8.5           | -75.53                | 48.2                                | -187.0       | 193.3                  | 176.2                   | 17.16                     | 11.270             |          |
| 2,600.0                 | 2,600.0               | 2,590.5               | 2,588.2               | 9.1              | 8.8           | -74.45                | 53.1                                | -190.6       | 198.1                  | 180.2                   | 17.88                     | 11.079             |          |
| 2,700.0                 | 2,700.0               | 2,691.8               | 2,689.4               | 9.4              | 9.2           | -73.48                | 57.5                                | -193.7       | 202.2                  | 183.6                   | 18.60                     | 10.869             |          |
| 2,800.0                 | 2,800.0               | 2,792.9               | 2,790.4               | 9.8              | 9.6           | -72.68                | 61.2                                | -196.3       | 205.7                  | 186.4                   | 19.32                     | 10.644             |          |
| 2,900.0                 | 2,900.0               | 2,892.4               | 2,889.8               | 10.2             | 9.9           | -72.00                | 64.5                                | -198.5       | 208.8                  | 188.8                   | 20.03                     | 10.424             |          |
| 3,000.0                 | 3,000.0               | 2,991.0               | 2,988.3               | 10.5             | 10.3          | -71.13                | 68.7                                | -201.1       | 212.6                  | 191.9                   | 20.74                     | 10.252             |          |
| 3,100.0                 | 3,100.0               | 3,092.2               | 3,089.3               | 10.9             | 10.6          | -70.05                | 73.9                                | -203.5       | 216.7                  | 195.2                   | 21.46                     | 10.094             |          |
| 3,200.0                 | 3,200.0               | 3,190.1               | 3,187.0               | 11.2             | 11.0          | -68.92                | 79.2                                | -205.4       | 220.4                  | 198.2                   | 22.17                     | 9.943              |          |
| 3,300.0                 | 3,300.0               | 3,286.7               | 3,283.3               | 11.6             | 11.3          | -67.44                | 86.5                                | -208.1       | 225.7                  | 202.9                   | 22.86                     | 9.875              |          |
| 3,400.0                 | 3,400.0               | 3,387.6               | 3,383.9               | 12.0             | 11.7          | -65.84                | 94.7                                | -211.2       | 231.8                  | 208.2                   | 23.58                     | 9.830              |          |
| 3,500.0                 | 3,500.0               | 3,490.8               | 3,486.8               | 12.3             | 12.1          | -64.53                | 101.8                               | -213.6       | 236.8                  | 212.5                   | 24.32                     | 9.737              |          |
| 3,600.0                 | 3,600.0               | 3,589.0               | 3,584.7               | 12.7             | 12.5          | -63.35                | 108.1                               | -215.5       | 241.4                  | 216.4                   | 25.03                     | 9.647              |          |
| 3,700.0                 | 3,700.0               | 3,686.6               | 3,682.0               | 13.0             | 12.8          | -61.98                | 115.8                               | -217.6       | 247.0                  | 221.3                   | 25.72                     | 9.601              |          |
| 3,800.0                 | 3,800.0               | 3,792.1               | 3,787.2               | 13.4             | 13.2          | -60.65                | 123.4                               | -219.5       | 252.0                  | 225.5                   | 26.48                     | 9.517              |          |
| 3,900.0                 | 3,900.0               | 3,894.8               | 3,889.8               | 13.7             | 13.6          | -92.09                | 128.8                               | -220.2       | 255.3                  | 228.1                   | 27.21                     | 9.383              |          |
| 4,000.0                 | 4,000.0               | 3,993.9               | 3,988.8               | 14.1             | 13.9          | -91.82                | 133.5                               | -221.0       | 258.4                  | 230.5                   | 27.91                     | 9.258              |          |
| 4,100.0                 | 4,099.9               | 4,094.8               | 4,089.5               | 14.5             | 14.3          | -92.05                | 137.8                               | -222.0       | 261.5                  | 232.9                   | 28.63                     | 9.135              |          |
| 4,200.0                 | 4,199.7               | 4,195.0               | 4,189.7               | 14.8             | 14.7          | -92.76                | 141.5                               | -223.0       | 264.5                  | 235.1                   | 29.35                     | 9.012              |          |
| 4,300.0                 | 4,299.4               | 4,290.6               | 4,285.3               | 15.2             | 15.0          | -93.84                | 144.8                               | -224.2       | 267.8                  | 237.8                   | 30.04                     | 8.914 SF           |          |
| 4,400.0                 | 4,398.9               | 4,380.2               | 4,374.6               | 15.5             | 15.3          | -94.65                | 151.5                               | -227.2       | 274.9                  | 244.2                   | 30.68                     | 8.961              |          |
| 4,500.0                 | 4,498.3               | 4,479.3               | 4,473.1               | 15.9             | 15.7          | -95.55                | 160.6                               | -231.3       | 283.8                  | 252.4                   | 31.40                     | 9.038              |          |
| 4,600.0                 | 4,597.4               | 4,578.9               | 4,572.2               | 16.2             | 16.1          | -96.71                | 170.0                               | -235.3       | 293.0                  | 260.8                   | 32.13                     | 9.117              |          |
| 4,700.0                 | 4,696.4               | 4,678.4               | 4,671.2               | 16.6             | 16.5          | -98.01                | 179.5                               | -239.1       | 302.3                  | 269.4                   | 32.87                     | 9.197              |          |
| 4,800.0                 | 4,795.5               | 4,778.1               | 4,770.4               | 17.0             | 16.8          | -99.29                | 188.7                               | -243.0       | 311.7                  | 278.1                   | 33.61                     | 9.275              |          |
| 4,900.0                 | 4,894.5               | 4,877.6               | 4,869.4               | 17.3             | 17.2          | -100.49               | 197.8                               | -246.8       | 321.1                  | 286.8                   | 34.35                     | 9.350              |          |
| 5,000.0                 | 4,993.5               | 4,976.5               | 4,967.8               | 17.7             | 17.6          | -101.63               | 206.9                               | -250.7       | 330.8                  | 295.7                   | 35.08                     | 9.428              |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|-------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 182-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                 | 5,092.5               | 5,076.1               | 5,066.9               | 18.1             | 18.0          | -102.78               | 215.7                               | -254.8       | 340.6                  | 304.7                   | 35.83                     | 9.506              |          |
| 5,200.0                 | 5,191.6               | 5,176.1               | 5,166.5               | 18.5             | 18.3          | -103.96               | 223.9                               | -258.9       | 350.3                  | 313.8                   | 36.58                     | 9.578              |          |
| 5,300.0                 | 5,290.6               | 5,276.1               | 5,266.1               | 18.8             | 18.7          | -105.09               | 232.0                               | -262.8       | 360.1                  | 322.7                   | 37.33                     | 9.645              |          |
| 5,400.0                 | 5,389.6               | 5,374.7               | 5,364.3               | 19.2             | 19.1          | -106.13               | 240.0                               | -266.5       | 369.8                  | 331.8                   | 38.07                     | 9.714              |          |
| 5,500.0                 | 5,488.6               | 5,473.5               | 5,462.7               | 19.6             | 19.5          | -107.13               | 248.0                               | -270.6       | 379.9                  | 341.1                   | 38.81                     | 9.789              |          |
| 5,600.0                 | 5,587.7               | 5,573.2               | 5,562.0               | 20.0             | 19.8          | -108.12               | 255.9                               | -274.7       | 390.2                  | 350.6                   | 39.57                     | 9.861              |          |
| 5,700.0                 | 5,686.7               | 5,673.4               | 5,661.8               | 20.4             | 20.2          | -109.07               | 263.8                               | -278.7       | 400.3                  | 360.0                   | 40.32                     | 9.928              |          |
| 5,800.0                 | 5,785.7               | 5,772.3               | 5,760.3               | 20.7             | 20.6          | -109.95               | 271.6                               | -282.5       | 410.5                  | 369.4                   | 41.07                     | 9.995              |          |
| 5,900.0                 | 5,884.8               | 5,870.7               | 5,858.4               | 21.1             | 21.0          | -110.85               | 278.9                               | -286.5       | 420.9                  | 379.1                   | 41.82                     | 10.066             |          |
| 6,000.0                 | 5,983.8               | 5,970.7               | 5,958.1               | 21.5             | 21.3          | -111.78               | 285.9                               | -290.8       | 431.5                  | 388.9                   | 42.57                     | 10.135             |          |
| 6,100.0                 | 6,082.8               | 6,069.2               | 6,056.2               | 21.9             | 21.7          | -112.67               | 292.6                               | -294.9       | 442.1                  | 398.8                   | 43.32                     | 10.207             |          |
| 6,200.0                 | 6,181.8               | 6,171.1               | 6,157.8               | 22.3             | 22.1          | -113.58               | 299.4                               | -299.0       | 452.7                  | 408.6                   | 44.09                     | 10.267             |          |
| 6,300.0                 | 6,280.9               | 6,268.9               | 6,255.3               | 22.7             | 22.5          | -114.43               | 305.6                               | -302.9       | 463.2                  | 418.3                   | 44.83                     | 10.332             |          |
| 6,400.0                 | 6,379.9               | 6,366.5               | 6,352.6               | 23.1             | 22.8          | -115.27               | 311.8                               | -307.2       | 474.2                  | 428.6                   | 45.57                     | 10.406             |          |
| 6,500.0                 | 6,478.9               | 6,468.8               | 6,454.7               | 23.5             | 23.2          | -116.17               | 317.5                               | -311.4       | 485.0                  | 438.6                   | 46.34                     | 10.466             |          |
| 6,600.0                 | 6,577.9               | 6,569.2               | 6,554.8               | 23.9             | 23.6          | -117.02               | 323.3                               | -315.1       | 495.5                  | 448.4                   | 47.10                     | 10.521             |          |
| 6,700.0                 | 6,677.0               | 6,668.3               | 6,653.7               | 24.2             | 23.9          | -117.81               | 328.9                               | -318.6       | 505.9                  | 458.1                   | 47.84                     | 10.575             |          |
| 6,800.0                 | 6,776.0               | 6,767.9               | 6,753.1               | 24.6             | 24.3          | -118.63               | 334.1                               | -322.3       | 516.6                  | 468.0                   | 48.59                     | 10.631             |          |
| 6,900.0                 | 6,875.0               | 6,868.0               | 6,853.1               | 25.0             | 24.7          | -119.48               | 338.8                               | -325.7       | 527.0                  | 477.7                   | 49.35                     | 10.681             |          |
| 7,000.0                 | 6,974.0               | 6,966.3               | 6,951.2               | 25.4             | 25.0          | -120.34               | 342.9                               | -329.2       | 537.7                  | 487.6                   | 50.08                     | 10.736             |          |
| 7,100.0                 | 7,073.1               | 7,066.6               | 7,051.4               | 25.8             | 25.4          | -121.26               | 346.3                               | -332.8       | 548.5                  | 497.7                   | 50.83                     | 10.791             |          |
| 7,192.6                 | 7,164.8               | 7,160.3               | 7,145.0               | 26.2             | 25.7          | -122.13               | 349.0                               | -335.8       | 558.3                  | 506.8                   | 51.53                     | 10.835             |          |
| 7,200.0                 | 7,172.1               | 7,167.7               | 7,152.4               | 26.2             | 25.8          | -122.21               | 349.2                               | -336.0       | 559.1                  | 507.5                   | 51.58                     | 10.838             |          |
| 7,300.0                 | 7,271.3               | 7,268.7               | 7,253.3               | 26.6             | 26.1          | -123.17               | 351.6                               | -338.9       | 568.7                  | 516.3                   | 52.33                     | 10.867             |          |
| 7,400.0                 | 7,370.8               | 7,367.1               | 7,351.7               | 27.0             | 26.5          | -123.84               | 353.9                               | -341.5       | 576.8                  | 523.7                   | 53.05                     | 10.872             |          |
| 7,500.0                 | 7,470.6               | 7,470.5               | 7,455.0               | 27.4             | 26.9          | -124.33               | 355.8                               | -344.3       | 583.4                  | 529.6                   | 53.79                     | 10.846             |          |
| 7,600.0                 | 7,570.5               | 7,568.2               | 7,552.7               | 27.7             | 27.2          | -124.59               | 357.5                               | -346.5       | 588.3                  | 533.8                   | 54.49                     | 10.795             |          |
| 7,700.0                 | 7,670.4               | 7,671.9               | 7,656.4               | 28.1             | 27.6          | -124.67               | 358.7                               | -349.0       | 591.7                  | 536.5                   | 55.22                     | 10.715             |          |
| 7,726.0                 | 7,696.4               | 7,697.4               | 7,681.8               | 28.2             | 27.7          | -92.41                | 358.9                               | -349.4       | 592.2                  | 536.8                   | 55.40                     | 10.690             |          |
| 7,800.0                 | 7,770.4               | 7,769.0               | 7,753.4               | 28.4             | 27.9          | -92.36                | 359.3                               | -351.0       | 593.8                  | 537.9                   | 55.90                     | 10.622             |          |
| 7,900.0                 | 7,870.4               | 7,874.0               | 7,858.4               | 28.8             | 28.3          | -92.29                | 359.9                               | -353.1       | 595.8                  | 539.1                   | 56.63                     | 10.521             |          |
| 8,000.0                 | 7,970.4               | 7,973.5               | 7,957.8               | 29.1             | 28.6          | -92.28                | 360.0                               | -354.7       | 597.4                  | 540.0                   | 57.32                     | 10.421             |          |
| 8,100.0                 | 8,070.4               | 8,071.6               | 8,056.0               | 29.5             | 29.0          | -92.28                | 359.9                               | -356.4       | 599.1                  | 541.1                   | 58.01                     | 10.329             |          |
| 8,200.0                 | 8,170.4               | 8,171.1               | 8,155.5               | 29.8             | 29.3          | -92.28                | 359.9                               | -358.3       | 601.1                  | 542.4                   | 58.70                     | 10.240             |          |
| 8,278.6                 | 8,249.0               | 8,248.1               | 8,232.4               | 30.1             | 29.6          | -92.30                | 359.6                               | -360.0       | 602.7                  | 543.5                   | 59.24                     | 10.175             |          |
| 8,300.0                 | 8,270.4               | 8,269.3               | 8,253.6               | 30.2             | 29.6          | 96.76                 | 359.5                               | -360.5       | 603.3                  | 543.9                   | 59.38                     | 10.160             |          |
| 8,350.0                 | 8,320.3               | 8,318.6               | 8,302.8               | 30.3             | 29.8          | 96.97                 | 359.5                               | -361.6       | 604.9                  | 545.2                   | 59.70                     | 10.133             |          |
| 8,400.0                 | 8,369.5               | 8,370.8               | 8,355.1               | 30.4             | 30.0          | 97.60                 | 359.7                               | -362.8       | 607.1                  | 547.1                   | 60.03                     | 10.114             |          |
| 8,450.0                 | 8,417.9               | 8,424.2               | 8,408.4               | 30.6             | 30.2          | 98.65                 | 360.2                               | -363.6       | 609.7                  | 549.4                   | 60.35                     | 10.104             |          |
| 8,500.0                 | 8,465.0               | 8,470.6               | 8,454.9               | 30.7             | 30.4          | 99.80                 | 360.7                               | -364.0       | 613.2                  | 552.5                   | 60.63                     | 10.113             |          |
| 8,550.0                 | 8,510.4               | 8,514.5               | 8,498.8               | 30.8             | 30.5          | 101.05                | 361.2                               | -364.6       | 618.0                  | 557.1                   | 60.89                     | 10.150             |          |
| 8,600.0                 | 8,553.8               | 8,555.0               | 8,539.3               | 30.9             | 30.7          | 102.25                | 361.7                               | -365.2       | 624.6                  | 563.5                   | 61.12                     | 10.220             |          |
| 8,650.0                 | 8,595.0               | 8,592.6               | 8,576.9               | 30.9             | 30.8          | 103.33                | 362.2                               | -365.9       | 633.5                  | 572.1                   | 61.32                     | 10.330             |          |
| 8,700.0                 | 8,633.5               | 8,628.0               | 8,612.2               | 31.0             | 30.9          | 104.24                | 362.7                               | -366.8       | 644.8                  | 583.3                   | 61.51                     | 10.483             |          |
| 8,750.0                 | 8,669.0               | 8,662.7               | 8,646.9               | 31.1             | 31.0          | 105.00                | 363.1                               | -367.7       | 658.8                  | 597.1                   | 61.69                     | 10.680             |          |
| 8,800.0                 | 8,701.4               | 8,694.5               | 8,678.7               | 31.1             | 31.1          | 105.40                | 363.3                               | -368.6       | 675.7                  | 613.8                   | 61.85                     | 10.925             |          |
| 8,850.0                 | 8,730.3               | 8,723.1               | 8,707.3               | 31.1             | 31.2          | 105.37                | 363.4                               | -369.5       | 695.4                  | 633.4                   | 61.99                     | 11.219             |          |
| 8,900.0                 | 8,755.6               | 8,747.7               | 8,731.9               | 31.2             | 31.3          | 104.76                | 363.4                               | -370.2       | 718.1                  | 656.0                   | 62.10                     | 11.564             |          |
| 8,950.0                 | 8,777.0               | 8,768.4               | 8,752.6               | 31.2             | 31.4          | 103.51                | 363.5                               | -370.8       | 743.7                  | 681.5                   | 62.19                     | 11.959             |          |
| 9,000.0                 | 8,794.4               | 8,785.1               | 8,769.2               | 31.3             | 31.5          | 101.54                | 363.6                               | -371.3       | 772.1                  | 709.8                   | 62.26                     | 12.401             |          |
| 9,050.0                 | 8,807.6               | 8,797.6               | 8,781.7               | 31.4             | 31.5          | 98.77                 | 363.7                               | -371.7       | 803.0                  | 740.7                   | 62.31                     | 12.887             |          |
| 9,100.0                 | 8,816.6               | 8,805.8               | 8,790.0               | 31.5             | 31.5          | 95.14                 | 363.7                               | -371.9       | 836.1                  | 773.7                   | 62.33                     | 13.413             |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|-------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 182-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  |          |
| 9,150.0                 | 8,821.2               | 8,809.8               | 8,794.0               | 31.7             | 31.6          | 90.63                 | 363.8                               | -372.0       | 871.0                  | 808.6                   | 62.34                     | 13.971             |          |
| 9,178.6                 | 8,822.0               | 8,810.2               | 8,794.4               | 31.8             | 31.6          | 87.69                 | 363.8                               | -372.0       | 891.6                  | 829.3                   | 62.34                     | 14.303             |          |
| 9,200.0                 | 8,822.0               | 8,810.0               | 8,794.1               | 31.8             | 31.6          | 87.69                 | 363.8                               | -372.0       | 907.3                  | 845.0                   | 62.33                     | 14.556             |          |
| 9,300.0                 | 8,822.0               | 8,808.9               | 8,793.1               | 32.2             | 31.5          | 87.68                 | 363.8                               | -372.0       | 982.0                  | 919.7                   | 62.32                     | 15.759             |          |
| 9,400.0                 | 8,822.0               | 8,808.0               | 8,792.2               | 32.6             | 31.5          | 87.70                 | 363.8                               | -372.0       | 1,058.9                | 996.5                   | 62.31                     | 16.993             |          |
| 9,500.0                 | 8,822.0               | 8,807.2               | 8,791.3               | 33.1             | 31.5          | 87.73                 | 363.8                               | -372.0       | 1,137.2                | 1,074.9                 | 62.32                     | 18.249             |          |
| 9,600.0                 | 8,822.0               | 8,806.5               | 8,790.6               | 33.7             | 31.5          | 87.77                 | 363.7                               | -371.9       | 1,216.8                | 1,154.4                 | 62.33                     | 19.521             |          |
| 9,614.7                 | 8,822.0               | 8,806.4               | 8,790.5               | 33.8             | 31.5          | 87.78                 | 363.7                               | -371.9       | 1,228.6                | 1,166.2                 | 62.33                     | 19.710             |          |
| 9,700.0                 | 8,822.0               | 8,805.8               | 8,790.0               | 34.3             | 31.5          | 87.74                 | 363.7                               | -371.9       | 1,297.9                | 1,235.6                 | 62.35                     | 20.817             |          |
| 9,800.0                 | 8,822.0               | 8,805.2               | 8,789.3               | 35.0             | 31.5          | 87.69                 | 363.7                               | -371.9       | 1,381.5                | 1,319.1                 | 62.37                     | 22.149             |          |
| 9,900.0                 | 8,822.0               | 8,804.5               | 8,788.7               | 35.7             | 31.5          | 87.64                 | 363.7                               | -371.9       | 1,467.1                | 1,404.7                 | 62.40                     | 23.512             |          |
| 10,000.0                | 8,822.0               | 8,803.9               | 8,788.1               | 36.5             | 31.5          | 87.59                 | 363.7                               | -371.9       | 1,554.5                | 1,492.1                 | 62.43                     | 24.900             |          |
| 10,100.0                | 8,822.0               | 8,803.3               | 8,787.4               | 37.4             | 31.5          | 87.54                 | 363.7                               | -371.8       | 1,643.3                | 1,580.9                 | 62.46                     | 26.311             |          |
| 10,200.0                | 8,822.0               | 8,802.7               | 8,786.8               | 38.3             | 31.5          | 87.49                 | 363.7                               | -371.8       | 1,733.3                | 1,670.8                 | 62.49                     | 27.739             |          |
| 10,300.0                | 8,822.0               | 8,802.0               | 8,786.2               | 39.2             | 31.5          | 87.45                 | 363.7                               | -371.8       | 1,824.4                | 1,761.9                 | 62.52                     | 29.182             |          |
| 10,400.0                | 8,822.0               | 8,801.4               | 8,785.6               | 40.2             | 31.5          | 87.40                 | 363.7                               | -371.8       | 1,916.3                | 1,853.8                 | 62.55                     | 30.638             |          |
| 10,500.0                | 8,822.0               | 8,800.8               | 8,785.0               | 41.2             | 31.5          | 87.35                 | 363.7                               | -371.8       | 2,009.1                | 1,946.5                 | 62.58                     | 32.105             |          |
| 10,600.0                | 8,822.0               | 8,800.2               | 8,784.4               | 42.3             | 31.5          | 87.30                 | 363.7                               | -371.8       | 2,102.5                | 2,039.9                 | 62.61                     | 33.581             |          |
| 10,700.0                | 8,822.0               | 8,799.7               | 8,783.8               | 43.4             | 31.5          | 87.26                 | 363.7                               | -371.7       | 2,196.4                | 2,133.8                 | 62.64                     | 35.064             |          |
| 10,800.0                | 8,822.0               | 8,799.1               | 8,783.2               | 44.6             | 31.5          | 87.21                 | 363.7                               | -371.7       | 2,290.9                | 2,228.2                 | 62.67                     | 36.555             |          |
| 10,900.0                | 8,822.0               | 8,798.5               | 8,782.6               | 45.8             | 31.5          | 87.17                 | 363.7                               | -371.7       | 2,385.8                | 2,323.1                 | 62.70                     | 38.051             |          |
| 11,000.0                | 8,822.0               | 8,797.9               | 8,782.1               | 47.0             | 31.5          | 87.12                 | 363.7                               | -371.7       | 2,481.2                | 2,418.4                 | 62.73                     | 39.552             |          |
| 11,100.0                | 8,822.0               | 8,797.4               | 8,781.5               | 48.2             | 31.5          | 87.08                 | 363.7                               | -371.7       | 2,576.9                | 2,514.1                 | 62.76                     | 41.057             |          |
| 11,200.0                | 8,822.0               | 13,708.7              | 11,420.9              | 49.4             | 55.1          | 167.14                | -2,186.2                            | -216.0       | 2,669.0                | 2,616.7                 | 52.27                     | 51.064             |          |
| 11,300.0                | 8,822.0               | 13,795.7              | 11,421.9              | 50.7             | 56.1          | 167.16                | -2,273.2                            | -214.8       | 2,669.9                | 2,616.4                 | 53.52                     | 49.890             |          |
| 11,400.0                | 8,822.0               | 13,945.4              | 11,421.0              | 52.0             | 57.8          | 167.15                | -2,422.9                            | -213.9       | 2,668.9                | 2,613.5                 | 55.38                     | 48.192             |          |
| 11,440.6                | 8,822.0               | 13,968.4              | 11,420.8              | 52.5             | 58.1          | 167.14                | -2,445.9                            | -214.4       | 2,668.8                | 2,613.0                 | 55.79                     | 47.832             |          |
| 11,500.0                | 8,822.0               | 13,994.0              | 11,420.7              | 53.3             | 58.4          | 167.12                | -2,471.5                            | -215.2       | 2,669.1                | 2,612.8                 | 56.33                     | 47.384             |          |
| 11,600.0                | 8,822.0               | 14,041.3              | 11,421.2              | 54.7             | 59.0          | 167.08                | -2,518.8                            | -216.8       | 2,671.2                | 2,613.9                 | 57.29                     | 46.626             |          |
| 11,700.0                | 8,822.0               | 14,089.0              | 11,422.9              | 56.0             | 59.6          | 167.05                | -2,566.4                            | -218.4       | 2,675.6                | 2,617.3                 | 58.27                     | 45.920             |          |
| 11,800.0                | 8,822.0               | 14,192.9              | 11,427.7              | 57.4             | 60.8          | 166.98                | -2,670.1                            | -221.9       | 2,681.0                | 2,621.2                 | 59.79                     | 44.838             |          |
| 11,900.0                | 8,822.0               | 14,312.5              | 11,431.8              | 58.8             | 62.3          | 166.88                | -2,789.5                            | -227.1       | 2,685.4                | 2,623.9                 | 61.51                     | 43.655             |          |
| 12,000.0                | 8,822.0               | 14,411.7              | 11,435.2              | 60.1             | 63.6          | 166.78                | -2,888.6                            | -231.9       | 2,689.9                | 2,626.9                 | 63.05                     | 42.663             |          |
| 12,100.0                | 8,822.0               | 14,523.7              | 11,438.1              | 61.6             | 65.0          | 166.66                | -3,000.4                            | -237.7       | 2,693.8                | 2,629.0                 | 64.75                     | 41.606             |          |
| 12,200.0                | 8,822.0               | 14,604.9              | 11,440.4              | 63.0             | 66.1          | 166.57                | -3,081.4                            | -242.3       | 2,698.0                | 2,631.9                 | 66.13                     | 40.796             |          |
| 12,300.0                | 8,822.0               | 14,870.5              | 11,439.8              | 64.4             | 69.6          | 166.24                | -3,346.5                            | -256.7       | 2,698.6                | 2,629.0                 | 69.57                     | 38.787             |          |
| 12,400.0                | 8,822.0               | 14,946.0              | 11,438.9              | 65.8             | 70.6          | 166.22                | -3,422.0                            | -256.9       | 2,697.7                | 2,626.8                 | 70.87                     | 38.065             |          |
| 12,500.0                | 8,822.0               | 15,034.8              | 11,438.7              | 67.3             | 71.8          | 166.22                | -3,510.7                            | -256.1       | 2,697.4                | 2,625.1                 | 72.29                     | 37.314             |          |
| 12,600.0                | 8,822.0               | 15,157.9              | 11,437.8              | 68.7             | 73.5          | 166.22                | -3,633.9                            | -255.2       | 2,696.6                | 2,622.5                 | 74.08                     | 36.403             |          |
| 12,700.0                | 8,822.0               | 15,231.0              | 11,437.3              | 70.2             | 74.5          | 166.21                | -3,706.9                            | -254.9       | 2,696.0                | 2,620.6                 | 75.36                     | 35.776             |          |
| 12,718.9                | 8,822.0               | 15,248.4              | 11,437.2              | 70.5             | 74.8          | 166.21                | -3,724.4                            | -254.8       | 2,695.9                | 2,620.3                 | 75.64                     | 35.643             |          |
| 12,800.0                | 8,822.0               | 15,302.4              | 11,437.4              | 71.7             | 75.5          | 166.21                | -3,778.3                            | -254.7       | 2,696.3                | 2,619.7                 | 76.62                     | 35.190             |          |
| 12,900.0                | 8,822.0               | 15,451.0              | 11,438.7              | 73.2             | 77.6          | 166.25                | -3,926.9                            | -252.1       | 2,697.1                | 2,618.4                 | 78.66                     | 34.287             |          |
| 13,000.0                | 8,822.0               | 15,569.7              | 11,437.0              | 74.7             | 79.3          | 166.28                | -4,045.6                            | -249.7       | 2,695.2                | 2,614.8                 | 80.41                     | 33.521             |          |
| 13,100.0                | 8,822.0               | 15,639.8              | 11,436.6              | 76.2             | 80.3          | 166.30                | -4,115.6                            | -248.1       | 2,694.3                | 2,612.7                 | 81.65                     | 32.999             |          |
| 13,136.1                | 8,822.0               | 15,665.7              | 11,436.7              | 76.7             | 80.7          | 166.31                | -4,141.6                            | -247.4       | 2,694.3                | 2,612.2                 | 82.10                     | 32.816             |          |
| 13,200.0                | 8,822.0               | 15,714.0              | 11,437.1              | 77.7             | 81.4          | 166.33                | -4,189.8                            | -246.0       | 2,694.5                | 2,611.5                 | 82.92                     | 32.494             |          |
| 13,300.0                | 8,822.0               | 15,818.9              | 11,438.1              | 79.2             | 82.9          | 166.38                | -4,294.7                            | -243.4       | 2,694.9                | 2,610.4                 | 84.52                     | 31.885             |          |
| 13,400.0                | 8,822.0               | 15,897.0              | 11,438.7              | 80.7             | 84.0          | 166.40                | -4,372.8                            | -241.9       | 2,695.5                | 2,609.7                 | 85.85                     | 31.398             |          |
| 13,500.0                | 8,822.0               | 15,962.1              | 11,440.1              | 82.2             | 85.0          | 166.43                | -4,437.8                            | -240.4       | 2,697.2                | 2,610.2                 | 87.03                     | 30.990             |          |
| 13,600.0                | 8,822.0               | 16,147.0              | 11,442.9              | 83.7             | 87.7          | 166.55                | -4,622.6                            | -234.3       | 2,698.0                | 2,608.5                 | 89.43                     | 30.167             |          |
| 13,700.0                | 8,822.0               | 16,349.8              | 11,436.4              | 85.2             | 90.7          | 166.46                | -4,825.3                            | -235.9       | 2,694.9                | 2,602.7                 | 92.20                     | 29.228             |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design Boros - Boros Federal #204H - Wellbore #1 - Actual |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 182-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                                                         | 8,822.0               | 16,430.5              | 11,432.4              | 86.8             | 91.9          | 166.40                | -4,905.8                            | -237.3       | 2,690.7                | 2,597.1                 | 93.67                     | 28.725             |          |
| 13,900.0                                                         | 8,822.0               | 16,506.9              | 11,429.4              | 88.3             | 93.0          | 166.35                | -4,982.2                            | -238.5       | 2,687.5                | 2,592.4                 | 95.09                     | 28.262             |          |
| 14,000.0                                                         | 8,822.0               | 16,400.0              | 11,424.5              | 89.9             | 55.6          | 166.25                | -5,103.9                            | -241.5       | 2,684.3                | 2,608.0                 | 76.26                     | 35.198             |          |
| 14,100.0                                                         | 8,822.0               | 16,749.6              | 11,419.1              | 91.4             | 96.7          | 166.23                | -5,224.6                            | -240.2       | 2,679.7                | 2,580.8                 | 98.89                     | 27.097             |          |
| 14,200.0                                                         | 8,822.0               | 16,839.7              | 11,415.7              | 92.9             | 98.0          | 166.26                | -5,314.6                            | -237.4       | 2,675.5                | 2,575.1                 | 100.38                    | 26.653             |          |
| 14,300.0                                                         | 8,822.0               | 16,899.0              | 11,414.2              | 94.5             | 98.9          | 166.30                | -5,373.7                            | -234.7       | 2,672.1                | 2,570.5                 | 101.54                    | 26.316             |          |
| 14,400.0                                                         | 8,822.0               | 16,965.9              | 11,414.1              | 96.0             | 99.9          | 166.39                | -5,440.5                            | -229.8       | 2,670.3                | 2,567.6                 | 102.70                    | 26.000             |          |
| 14,500.0                                                         | 8,822.0               | 17,038.0              | 11,414.4              | 97.6             | 101.0         | 166.51                | -5,512.3                            | -223.7       | 2,669.1                | 2,565.2                 | 103.89                    | 25.692             |          |
| 14,543.9                                                         | 8,822.0               | 17,075.0              | 11,414.8              | 98.3             | 101.6         | 166.57                | -5,549.2                            | -220.8       | 2,668.8                | 2,564.3                 | 104.46                    | 25.549             |          |
| 14,600.0                                                         | 8,822.0               | 17,102.1              | 11,415.3              | 99.2             | 102.0         | 166.61                | -5,576.3                            | -219.0       | 2,669.1                | 2,564.1                 | 105.01                    | 25.418             |          |
| 14,700.0                                                         | 8,822.0               | 17,164.5              | 11,417.3              | 100.7            | 103.0         | 166.67                | -5,638.5                            | -215.8       | 2,671.1                | 2,564.9                 | 106.13                    | 25.169             |          |
| 14,800.0                                                         | 8,822.0               | 17,257.4              | 11,420.9              | 102.3            | 104.4         | 166.78                | -5,731.3                            | -210.9       | 2,673.8                | 2,566.2                 | 107.55                    | 24.862             |          |
| 14,900.0                                                         | 8,822.0               | 17,458.7              | 11,423.2              | 103.9            | 107.5         | 166.81                | -5,932.5                            | -209.0       | 2,675.0                | 2,564.7                 | 110.29                    | 24.253             |          |
| 15,000.0                                                         | 8,822.0               | 17,598.0              | 11,421.5              | 105.4            | 109.6         | 166.83                | -6,071.7                            | -206.6       | 2,673.6                | 2,561.3                 | 112.32                    | 23.803             |          |
| 15,100.0                                                         | 8,822.0               | 17,712.3              | 11,418.7              | 107.0            | 111.4         | 166.86                | -6,185.9                            | -203.7       | 2,670.8                | 2,556.7                 | 114.06                    | 23.415             |          |
| 15,200.0                                                         | 8,822.0               | 17,761.8              | 11,418.0              | 108.6            | 112.2         | 166.89                | -6,235.4                            | -202.0       | 2,668.8                | 2,553.6                 | 115.13                    | 23.180             |          |
| 15,267.4                                                         | 8,822.0               | 17,799.0              | 11,418.1              | 109.6            | 112.7         | 166.92                | -6,272.6                            | -200.4       | 2,668.4                | 2,552.5                 | 115.86                    | 23.030             |          |
| 15,300.0                                                         | 8,822.0               | 17,826.5              | 11,418.4              | 110.2            | 113.2         | 166.94                | -6,300.1                            | -199.1       | 2,668.4                | 2,552.1                 | 116.31                    | 22.943             |          |
| 15,400.0                                                         | 8,822.0               | 15,400.0              | 11,419.1              | 111.7            | 107.5         | 167.04                | -6,430.6                            | -193.7       | 2,668.2                | 2,571.2                 | 96.99                     | 27.510             |          |
| 15,500.0                                                         | 8,822.0               | 18,124.4              | 11,415.2              | 113.3            | 117.8         | 167.07                | -6,597.7                            | -190.4       | 2,665.4                | 2,544.9                 | 120.48                    | 22.124             |          |
| 15,600.0                                                         | 8,822.0               | 18,221.3              | 11,412.0              | 114.9            | 119.3         | 167.09                | -6,694.5                            | -187.9       | 2,661.7                | 2,539.7                 | 122.05                    | 21.808             |          |
| 15,700.0                                                         | 8,822.0               | 18,296.8              | 11,410.4              | 116.5            | 120.5         | 167.15                | -6,769.9                            | -184.6       | 2,658.8                | 2,535.4                 | 123.37                    | 21.552             |          |
| 15,800.0                                                         | 8,822.0               | 18,370.0              | 11,409.5              | 118.1            | 121.6         | 167.19                | -6,843.1                            | -182.1       | 2,656.9                | 2,532.3                 | 124.67                    | 21.312             |          |
| 15,900.0                                                         | 8,822.0               | 18,480.4              | 11,408.1              | 119.7            | 123.4         | 167.21                | -6,953.5                            | -179.8       | 2,655.4                | 2,529.0                 | 126.39                    | 21.009             |          |
| 15,987.0                                                         | 8,822.0               | 18,519.1              | 11,408.1              | 121.0            | 124.0         | 167.24                | -6,992.1                            | -178.5       | 2,654.7                | 2,527.5                 | 127.26                    | 20.862             |          |
| 16,000.0                                                         | 8,822.0               | 18,526.1              | 11,408.2              | 121.3            | 124.1         | 167.24                | -6,999.1                            | -178.2       | 2,654.8                | 2,527.4                 | 127.39                    | 20.839             |          |
| 16,100.0                                                         | 8,822.0               | 16,100.0              | 11,409.3              | 122.8            | 85.9          | 167.34                | -7,110.1                            | -173.0       | 2,654.9                | 2,546.5                 | 108.37                    | 24.498             |          |
| 16,190.2                                                         | 8,822.0               | 18,722.5              | 11,409.1              | 124.3            | 127.2         | 167.37                | -7,195.3                            | -170.9       | 2,654.3                | 2,523.8                 | 130.41                    | 20.353             |          |
| 16,200.0                                                         | 8,822.0               | 18,728.4              | 11,409.1              | 124.4            | 127.3         | 167.37                | -7,201.2                            | -170.8       | 2,654.3                | 2,523.7                 | 130.52                    | 20.335             |          |
| 16,300.0                                                         | 8,822.0               | 18,832.5              | 11,409.3              | 126.0            | 128.9         | 167.36                | -7,305.3                            | -171.0       | 2,654.6                | 2,522.4                 | 132.24                    | 20.074             |          |
| 16,400.0                                                         | 8,822.0               | 18,964.6              | 11,407.7              | 127.6            | 131.0         | 167.31                | -7,437.5                            | -171.9       | 2,653.7                | 2,519.4                 | 134.31                    | 19.758             |          |
| 16,500.0                                                         | 8,822.0               | 19,039.6              | 11,407.1              | 129.2            | 132.1         | 167.30                | -7,512.4                            | -171.8       | 2,653.0                | 2,517.3                 | 135.69                    | 19.551             |          |
| 16,600.0                                                         | 8,822.0               | 19,172.9              | 11,405.1              | 130.8            | 134.2         | 167.27                | -7,645.7                            | -172.3       | 2,651.6                | 2,513.8                 | 137.77                    | 19.247             |          |
| 16,700.0                                                         | 8,822.0               | 19,265.6              | 11,403.9              | 132.4            | 135.7         | 167.27                | -7,738.4                            | -171.5       | 2,650.3                | 2,511.0                 | 139.34                    | 19.021             |          |
| 16,800.0                                                         | 8,822.0               | 19,377.4              | 11,402.7              | 134.0            | 137.5         | 167.30                | -7,850.1                            | -168.9       | 2,648.8                | 2,507.8                 | 141.07                    | 18.777             |          |
| 16,900.0                                                         | 8,822.0               | 19,506.5              | 11,401.1              | 135.6            | 139.5         | 167.42                | -7,979.0                            | -162.2       | 2,646.7                | 2,503.8                 | 142.85                    | 18.528             |          |
| 17,000.0                                                         | 8,822.0               | 19,566.0              | 11,400.3              | 137.2            | 140.5         | 167.46                | -8,038.5                            | -159.6       | 2,644.6                | 2,500.6                 | 144.00                    | 18.365             |          |
| 17,100.0                                                         | 8,822.0               | 19,692.4              | 11,398.4              | 138.8            | 142.5         | 167.40                | -8,164.8                            | -161.4       | 2,643.8                | 2,497.8                 | 146.04                    | 18.103             |          |
| 17,200.0                                                         | 8,822.0               | 19,763.0              | 11,396.5              | 140.4            | 143.6         | 167.34                | -8,235.4                            | -163.4       | 2,642.0                | 2,494.5                 | 147.47                    | 17.915             |          |
| 17,300.0                                                         | 8,822.0               | 19,847.5              | 11,395.2              | 142.0            | 144.9         | 167.26                | -8,319.8                            | -166.3       | 2,641.3                | 2,492.2                 | 149.08                    | 17.717             |          |
| 17,400.0                                                         | 8,822.0               | 20,003.3              | 11,390.4              | 143.7            | 147.3         | 167.03                | -8,475.3                            | -175.2       | 2,639.7                | 2,488.0                 | 151.72                    | 17.398             |          |
| 17,500.0                                                         | 8,822.0               | 20,060.0              | 11,388.4              | 145.3            | 148.2         | 166.93                | -8,531.8                            | -178.8       | 2,637.8                | 2,484.8                 | 153.07                    | 17.233             |          |
| 17,575.2                                                         | 8,822.0               | 20,108.6              | 11,387.4              | 146.5            | 149.0         | 166.86                | -8,580.3                            | -181.8       | 2,637.5                | 2,483.4                 | 154.15                    | 17.110             |          |
| 17,600.0                                                         | 8,822.0               | 20,126.9              | 11,387.2              | 146.9            | 149.3         | 166.83                | -8,598.6                            | -182.7       | 2,637.5                | 2,483.0                 | 154.53                    | 17.068             |          |
| 17,700.0                                                         | 8,822.0               | 20,205.0              | 11,387.0              | 148.5            | 150.5         | 166.76                | -8,676.6                            | -185.7       | 2,638.3                | 2,482.2                 | 156.06                    | 16.905             |          |
| 17,800.0                                                         | 8,822.0               | 20,274.0              | 11,387.2              | 150.1            | 151.6         | 166.70                | -8,745.6                            | -188.2       | 2,639.7                | 2,482.2                 | 157.46                    | 16.764             |          |
| 17,900.0                                                         | 8,822.0               | 20,347.0              | 11,388.4              | 151.7            | 152.8         | 166.65                | -8,818.6                            | -190.2       | 2,642.1                | 2,483.3                 | 158.87                    | 16.631             |          |
| 18,000.0                                                         | 8,822.0               | 20,430.1              | 11,391.3              | 153.3            | 154.1         | 166.64                | -8,901.6                            | -191.2       | 2,645.9                | 2,485.5                 | 160.35                    | 16.500             |          |
| 18,100.0                                                         | 8,822.0               | 20,500.3              | 11,393.9              | 154.9            | 155.2         | 166.61                | -8,971.8                            | -192.6       | 2,650.2                | 2,488.5                 | 161.67                    | 16.393             |          |
| 18,200.0                                                         | 8,822.0               | 20,559.0              | 11,397.4              | 156.5            | 156.1         | 166.63                | -9,030.3                            | -192.3       | 2,656.1                | 2,493.3                 | 162.72                    | 16.322             |          |
| 18,300.0                                                         | 8,822.0               | 20,631.4              | 11,402.9              | 158.2            | 157.3         | 166.67                | -9,102.5                            | -191.3       | 2,663.2                | 2,499.3                 | 163.92                    | 16.247             |          |
| 18,400.0                                                         | 8,822.0               | 20,991.5              | 11,410.4              | 159.8            | 163.1         | 166.65                | -9,462.3                            | -191.4       | 2,663.9                | 2,495.0                 | 168.94                    | 15.768             |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Boros - Boros Federal #204H - Wellbore #1 - Actual |         | Offset Site Error: |  | 0.0 usft |
|-------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|----------------------------------------------------|---------|--------------------|--|----------|
| Survey Program: 182-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 |                                                    |         |                    |  |          |
| 18,500.0                | 8,822.0               | 21,072.2              | 11,408.8              | 161.4            | 164.4         | 166.65                | -9,543.1                            | -190.5       | 2,662.0                | 2,491.5                 | 170.41                    | 15.621            |                                                    |         |                    |  |          |
| 18,600.0                | 8,822.0               | 21,139.1              | 11,409.0              | 163.0            | 165.4         | 166.72                | -9,609.8                            | -187.1       | 2,661.2                | 2,489.6                 | 171.60                    | 15.508            |                                                    |         |                    |  |          |
| 18,700.0                | 8,822.0               | 21,263.8              | 11,410.4              | 164.6            | 167.4         | 166.91                | -9,734.1                            | -177.7       | 2,660.8                | 2,487.6                 | 173.19                    | 15.363            |                                                    |         |                    |  |          |
| 18,800.0                | 8,822.0               | 21,440.4              | 11,408.9              | 166.2            | 170.3         | 167.19                | -9,910.1                            | -162.5       | 2,658.1                | 2,483.0                 | 175.10                    | 15.180            |                                                    |         |                    |  |          |
| 18,900.0                | 8,822.0               | 21,525.0              | 11,407.3              | 167.9            | 171.7         | 167.35                | -9,994.3                            | -154.1       | 2,654.2                | 2,477.9                 | 176.32                    | 15.053            |                                                    |         |                    |  |          |
| 18,989.3                | 8,822.0               | 21,525.0              | 11,407.3              | 169.3            | 171.7         | 167.35                | -9,994.3                            | -154.1       | 2,652.7                | 2,475.8                 | 176.86                    | 14.999            |                                                    |         |                    |  |          |
| 19,000.0                | 8,822.0               | 21,525.0              | 11,407.3              | 169.5            | 171.7         | 167.35                | -9,994.3                            | -154.1       | 2,652.7                | 2,475.8                 | 176.92                    | 14.994            |                                                    |         |                    |  |          |
| 19,100.0                | 8,822.0               | 21,525.0              | 11,407.3              | 171.1            | 171.7         | 167.35                | -9,994.3                            | -154.1       | 2,655.0                | 2,477.7                 | 177.31                    | 14.974            |                                                    |         |                    |  |          |
| 19,129.9                | 8,822.0               | 21,525.0              | 11,407.3              | 171.6            | 171.7         | 167.35                | -9,994.3                            | -154.1       | 2,656.4                | 2,479.0                 | 177.39                    | 14.975            |                                                    |         |                    |  |          |

# Anticollision Report

|                           |                            |                                     |                          |
|---------------------------|----------------------------|-------------------------------------|--------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design Boros - Boros Federal #218H - Wellbore #1 - Actual |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | 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           | -74.51                | 30.6                                | -110.3       | 114.4                  |                         |                           |                    |          |
| 100.0                                                            | 100.0                 | 99.4                  | 99.4                  | 0.1              | 0.1           | -74.43                | 30.7                                | -110.0       | 114.2                  | 114.0                   | 0.27                      | 418.651            |          |
| 200.0                                                            | 200.0                 | 199.7                 | 199.7                 | 0.5              | 0.4           | -74.21                | 31.0                                | -109.4       | 113.7                  | 112.9                   | 0.89                      | 128.238            |          |
| 300.0                                                            | 300.0                 | 299.9                 | 299.9                 | 0.8              | 0.8           | -73.91                | 31.3                                | -108.6       | 113.0                  | 111.4                   | 1.60                      | 70.444             |          |
| 400.0                                                            | 400.0                 | 400.3                 | 400.2                 | 1.2              | 1.1           | -73.57                | 31.7                                | -107.5       | 112.1                  | 109.8                   | 2.32                      | 48.257             |          |
| 500.0                                                            | 500.0                 | 500.2                 | 500.2                 | 1.6              | 1.5           | -73.26                | 31.9                                | -106.2       | 110.9                  | 107.9                   | 3.04                      | 36.507             |          |
| 600.0                                                            | 600.0                 | 599.9                 | 599.9                 | 1.9              | 1.8           | -73.02                | 32.1                                | -105.2       | 110.0                  | 106.2                   | 3.75                      | 29.296             |          |
| 700.0                                                            | 700.0                 | 700.5                 | 700.4                 | 2.3              | 2.2           | -72.81                | 32.2                                | -104.1       | 108.9                  | 104.5                   | 4.47                      | 24.357             |          |
| 800.0                                                            | 800.0                 | 800.3                 | 800.2                 | 2.6              | 2.6           | -72.61                | 32.2                                | -102.8       | 107.7                  | 102.5                   | 5.19                      | 20.763             |          |
| 900.0                                                            | 900.0                 | 900.0                 | 900.0                 | 3.0              | 2.9           | -72.46                | 32.2                                | -101.7       | 106.7                  | 100.8                   | 5.90                      | 18.073             |          |
| 1,000.0                                                          | 1,000.0               | 999.7                 | 999.7                 | 3.4              | 3.3           | -72.28                | 32.2                                | -100.8       | 105.9                  | 99.2                    | 6.62                      | 15.993             |          |
| 1,100.0                                                          | 1,100.0               | 1,099.1               | 1,099.0               | 3.7              | 3.6           | -72.14                | 32.4                                | -100.5       | 105.6                  | 98.3                    | 7.33                      | 14.406             |          |
| 1,114.2                                                          | 1,114.2               | 1,113.2               | 1,113.2               | 3.8              | 3.7           | -72.12                | 32.4                                | -100.5       | 105.6                  | 98.2                    | 7.43                      | 14.212             |          |
| 1,200.0                                                          | 1,200.0               | 1,198.8               | 1,198.8               | 4.1              | 4.0           | -72.03                | 32.6                                | -100.5       | 105.7                  | 97.6                    | 8.03                      | 13.155             |          |
| 1,300.0                                                          | 1,300.0               | 1,298.9               | 1,298.8               | 4.4              | 4.3           | -71.86                | 33.0                                | -100.6       | 105.9                  | 97.2                    | 8.74                      | 12.125             |          |
| 1,400.0                                                          | 1,400.0               | 1,399.0               | 1,398.9               | 4.8              | 4.7           | -71.59                | 33.5                                | -100.5       | 106.0                  | 96.5                    | 9.44                      | 11.219             |          |
| 1,500.0                                                          | 1,500.0               | 1,498.7               | 1,498.6               | 5.1              | 5.0           | -71.25                | 34.1                                | -100.5       | 106.2                  | 96.0                    | 10.15                     | 10.456             |          |
| 1,600.0                                                          | 1,600.0               | 1,598.4               | 1,598.4               | 5.5              | 5.4           | -70.75                | 35.1                                | -100.7       | 106.6                  | 95.8                    | 10.86                     | 9.817              |          |
| 1,700.0                                                          | 1,700.0               | 1,698.1               | 1,698.0               | 5.9              | 5.7           | -69.93                | 36.8                                | -100.8       | 107.4                  | 95.8                    | 11.57                     | 9.280              |          |
| 1,800.0                                                          | 1,800.0               | 1,800.7               | 1,800.6               | 6.2              | 6.1           | -68.72                | 38.9                                | -99.8        | 107.1                  | 94.8                    | 12.29                     | 8.715              |          |
| 1,900.0                                                          | 1,900.0               | 1,900.8               | 1,900.6               | 6.6              | 6.4           | -67.32                | 40.7                                | -97.5        | 105.7                  | 92.7                    | 13.01                     | 8.122              |          |
| 2,000.0                                                          | 2,000.0               | 2,000.6               | 2,000.4               | 6.9              | 6.8           | -65.82                | 42.7                                | -95.1        | 104.2                  | 90.5                    | 13.73                     | 7.594              |          |
| 2,100.0                                                          | 2,100.0               | 2,100.9               | 2,100.6               | 7.3              | 7.2           | -64.18                | 44.8                                | -92.6        | 102.9                  | 88.4                    | 14.44                     | 7.121              |          |
| 2,200.0                                                          | 2,200.0               | 2,202.0               | 2,201.7               | 7.7              | 7.5           | -61.81                | 47.6                                | -88.8        | 100.8                  | 85.6                    | 15.16                     | 6.648              |          |
| 2,300.0                                                          | 2,300.0               | 2,303.1               | 2,302.5               | 8.0              | 7.9           | -57.81                | 51.9                                | -82.5        | 97.5                   | 81.7                    | 15.88                     | 6.141              |          |
| 2,400.0                                                          | 2,400.0               | 2,403.2               | 2,402.2               | 8.4              | 8.2           | -52.92                | 56.7                                | -74.9        | 94.0                   | 77.4                    | 16.61                     | 5.660              |          |
| 2,500.0                                                          | 2,500.0               | 2,503.1               | 2,501.7               | 8.7              | 8.6           | -47.60                | 61.3                                | -67.1        | 90.9                   | 73.6                    | 17.34                     | 5.243              |          |
| 2,600.0                                                          | 2,600.0               | 2,602.9               | 2,601.0               | 9.1              | 9.0           | -42.13                | 65.4                                | -59.1        | 88.2                   | 70.1                    | 18.06                     | 4.881              |          |
| 2,700.0                                                          | 2,700.0               | 2,702.3               | 2,700.0               | 9.4              | 9.3           | -36.51                | 69.5                                | -51.4        | 86.5                   | 67.7                    | 18.79                     | 4.601              |          |
| 2,800.0                                                          | 2,800.0               | 2,802.1               | 2,799.5               | 9.8              | 9.7           | -31.12                | 73.3                                | -44.3        | 85.7                   | 66.2                    | 19.52                     | 4.388              |          |
| 2,864.6                                                          | 2,864.6               | 2,866.4               | 2,863.6               | 10.0             | 10.0          | -27.77                | 75.6                                | -39.8        | 85.4                   | 65.4                    | 19.99                     | 4.271              |          |
| 2,900.0                                                          | 2,900.0               | 2,901.3               | 2,898.4               | 10.2             | 10.1          | -25.89                | 76.9                                | -37.3        | 85.5                   | 65.3                    | 20.25                     | 4.223              |          |
| 3,000.0                                                          | 3,000.0               | 2,999.9               | 2,996.7               | 10.5             | 10.5          | -20.31                | 81.7                                | -30.3        | 87.2                   | 66.2                    | 20.97                     | 4.157              |          |
| 3,100.0                                                          | 3,100.0               | 3,099.5               | 3,095.7               | 10.9             | 10.8          | -14.42                | 87.6                                | -22.5        | 90.5                   | 68.8                    | 21.69                     | 4.172              |          |
| 3,200.0                                                          | 3,200.0               | 3,199.2               | 3,195.0               | 11.2             | 11.2          | -9.03                 | 93.2                                | -14.8        | 94.4                   | 72.0                    | 22.42                     | 4.213              |          |
| 3,300.0                                                          | 3,300.0               | 3,297.9               | 3,293.3               | 11.6             | 11.6          | -4.13                 | 99.0                                | -7.2         | 99.4                   | 76.3                    | 23.12                     | 4.298              |          |
| 3,400.0                                                          | 3,400.0               | 3,397.0               | 3,391.8               | 12.0             | 11.9          | 0.68                  | 105.5                               | 1.3          | 105.7                  | 81.9                    | 23.83                     | 4.436              |          |
| 3,500.0                                                          | 3,500.0               | 3,497.7               | 3,491.8               | 12.3             | 12.3          | 5.28                  | 111.7                               | 10.3         | 112.4                  | 87.8                    | 24.57                     | 4.574              |          |
| 3,600.0                                                          | 3,600.0               | 3,598.7               | 3,592.3               | 12.7             | 12.7          | 9.59                  | 116.6                               | 19.7         | 118.4                  | 93.1                    | 25.30                     | 4.680              |          |
| 3,700.0                                                          | 3,700.0               | 3,696.8               | 3,689.9               | 13.0             | 13.1          | 13.25                 | 121.4                               | 28.6         | 125.0                  | 99.0                    | 25.99                     | 4.809              |          |
| 3,800.0                                                          | 3,800.0               | 3,797.2               | 3,789.7               | 13.4             | 13.5          | 16.69                 | 126.4                               | 37.9         | 132.3                  | 105.5                   | 26.72                     | 4.950              |          |
| 3,900.0                                                          | 3,900.0               | 3,898.8               | 3,890.8               | 13.7             | 13.9          | -12.25                | 129.9                               | 47.4         | 137.6                  | 110.2                   | 27.46                     | 5.013              |          |
| 4,000.0                                                          | 4,000.0               | 3,996.2               | 3,987.7               | 14.1             | 14.2          | -9.70                 | 133.6                               | 56.1         | 141.9                  | 113.8                   | 28.14                     | 5.043              |          |
| 4,100.0                                                          | 4,099.9               | 4,092.5               | 4,083.5               | 14.5             | 14.6          | -7.97                 | 139.9                               | 64.2         | 146.9                  | 118.2                   | 28.79                     | 5.104              |          |
| 4,200.0                                                          | 4,199.7               | 4,192.2               | 4,182.5               | 14.8             | 15.0          | -6.84                 | 148.0                               | 72.1         | 151.6                  | 122.1                   | 29.50                     | 5.140              |          |
| 4,300.0                                                          | 4,299.4               | 4,292.6               | 4,282.3               | 15.2             | 15.4          | -5.90                 | 156.0                               | 79.7         | 154.3                  | 124.1                   | 30.23                     | 5.106              |          |
| 4,400.0                                                          | 4,398.9               | 4,392.8               | 4,382.0               | 15.5             | 15.7          | -5.09                 | 163.9                               | 87.1         | 155.2                  | 124.2                   | 30.95                     | 5.013              |          |
| 4,500.0                                                          | 4,498.3               | 4,492.7               | 4,481.3               | 15.9             | 16.1          | -4.38                 | 171.7                               | 94.4         | 154.1                  | 122.5                   | 31.67                     | 4.867              |          |
| 4,600.0                                                          | 4,597.4               | 4,592.5               | 4,580.5               | 16.2             | 16.5          | -3.66                 | 179.6                               | 101.8        | 151.6                  | 119.2                   | 32.38                     | 4.682              |          |
| 4,700.0                                                          | 4,696.4               | 4,692.7               | 4,680.1               | 16.6             | 16.9          | -2.95                 | 187.4                               | 109.2        | 148.1                  | 115.0                   | 33.10                     | 4.473              |          |
| 4,800.0                                                          | 4,795.5               | 4,792.4               | 4,779.3               | 17.0             | 17.3          | -2.24                 | 195.1                               | 116.5        | 144.5                  | 110.7                   | 33.82                     | 4.273              |          |
| 4,900.0                                                          | 4,894.5               | 4,891.9               | 4,878.2               | 17.3             | 17.7          | -1.39                 | 203.0                               | 124.0        | 141.2                  | 106.7                   | 34.53                     | 4.091              |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design Boros - Boros Federal #218H - Wellbore #1 - Actual |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | 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     |          |
| 5,000.0                                                          | 4,993.5               | 4,992.1               | 4,977.8               | 17.7             | 18.1          | -0.49                 | 211.0                               | 131.7        | 138.1                  | 102.9                   | 35.25                     | 3.918                 |          |
| 5,100.0                                                          | 5,092.5               | 5,092.7               | 5,077.8               | 18.1             | 18.4          | 0.41                  | 218.8                               | 139.2        | 134.6                  | 98.7                    | 35.98                     | 3.742                 |          |
| 5,200.0                                                          | 5,191.6               | 5,192.6               | 5,177.1               | 18.5             | 18.8          | 1.39                  | 226.2                               | 146.4        | 130.9                  | 94.2                    | 36.70                     | 3.566                 |          |
| 5,300.0                                                          | 5,290.6               | 5,292.5               | 5,276.5               | 18.8             | 19.2          | 2.40                  | 233.6                               | 153.7        | 127.2                  | 89.8                    | 37.41                     | 3.401                 |          |
| 5,400.0                                                          | 5,389.6               | 5,391.8               | 5,375.2               | 19.2             | 19.6          | 3.38                  | 241.4                               | 160.9        | 123.8                  | 85.7                    | 38.12                     | 3.249                 |          |
| 5,500.0                                                          | 5,488.6               | 5,491.2               | 5,474.0               | 19.6             | 20.0          | 4.40                  | 249.5                               | 168.4        | 121.0                  | 82.2                    | 38.82                     | 3.118                 |          |
| 5,600.0                                                          | 5,587.7               | 5,591.2               | 5,573.3               | 20.0             | 20.4          | 5.64                  | 257.7                               | 176.4        | 118.5                  | 78.9                    | 39.54                     | 2.996                 |          |
| 5,700.0                                                          | 5,686.7               | 5,691.5               | 5,673.0               | 20.4             | 20.8          | 7.07                  | 265.6                               | 184.4        | 115.7                  | 75.5                    | 40.27                     | 2.874                 |          |
| 5,800.0                                                          | 5,785.7               | 5,791.5               | 5,772.4               | 20.7             | 21.2          | 8.57                  | 273.3                               | 192.3        | 112.9                  | 71.9                    | 40.99                     | 2.755                 |          |
| 5,900.0                                                          | 5,884.8               | 5,891.6               | 5,871.9               | 21.1             | 21.5          | 10.20                 | 280.8                               | 200.2        | 110.0                  | 68.3                    | 41.71                     | 2.637                 |          |
| 6,000.0                                                          | 5,983.8               | 5,991.2               | 5,970.9               | 21.5             | 21.9          | 12.14                 | 288.0                               | 208.4        | 107.3                  | 64.9                    | 42.43                     | 2.529                 |          |
| 6,100.0                                                          | 6,082.8               | 6,092.5               | 6,071.6               | 21.9             | 22.3          | 14.26                 | 295.2                               | 216.7        | 104.5                  | 61.3                    | 43.18                     | 2.419                 |          |
| 6,200.0                                                          | 6,181.8               | 6,195.0               | 6,173.8               | 22.3             | 22.7          | 16.67                 | 300.3                               | 223.0        | 98.9                   | 55.0                    | 43.95                     | 2.251                 |          |
| 6,300.0                                                          | 6,280.9               | 6,294.6               | 6,273.1               | 22.7             | 23.1          | 19.48                 | 304.6                               | 228.7        | 92.9                   | 48.2                    | 44.67                     | 2.079                 |          |
| 6,400.0                                                          | 6,379.9               | 6,394.5               | 6,372.7               | 23.1             | 23.5          | 22.80                 | 308.8                               | 234.7        | 87.1                   | 41.7                    | 45.41                     | 1.918                 |          |
| 6,500.0                                                          | 6,478.9               | 6,494.4               | 6,472.4               | 23.5             | 23.8          | 26.58                 | 312.7                               | 240.3        | 81.3                   | 35.1                    | 46.16                     | 1.761                 |          |
| 6,600.0                                                          | 6,577.9               | 6,594.1               | 6,571.9               | 23.9             | 24.2          | 30.90                 | 316.7                               | 245.7        | 75.7                   | 28.8                    | 46.93                     | 1.614                 |          |
| 6,700.0                                                          | 6,677.0               | 6,693.7               | 6,671.3               | 24.2             | 24.6          | 35.79                 | 320.7                               | 251.2        | 70.8                   | 23.0                    | 47.72                     | 1.483 Level 3         |          |
| 6,800.0                                                          | 6,776.0               | 6,793.3               | 6,770.7               | 24.6             | 25.0          | 41.35                 | 324.7                               | 256.8        | 66.4                   | 17.9                    | 48.54                     | 1.369 Level 3         |          |
| 6,900.0                                                          | 6,875.0               | 6,893.3               | 6,870.4               | 25.0             | 25.3          | 47.76                 | 328.7                               | 262.2        | 62.7                   | 13.3                    | 49.40                     | 1.269 Level 3         |          |
| 7,000.0                                                          | 6,974.0               | 6,993.2               | 6,970.1               | 25.4             | 25.7          | 55.21                 | 332.2                               | 267.2        | 59.4                   | 9.1                     | 50.31                     | 1.180 Level 2         |          |
| 7,100.0                                                          | 7,073.1               | 7,092.7               | 7,069.4               | 25.8             | 26.1          | 63.52                 | 335.6                               | 272.1        | 57.0                   | 5.8                     | 51.25                     | 1.113 Level 2         |          |
| 7,192.6                                                          | 7,164.8               | 7,184.9               | 7,161.4               | 26.2             | 26.4          | 71.73                 | 338.6                               | 276.8        | 56.2                   | 4.1                     | 52.13                     | 1.078 Level 2         |          |
| 7,198.5                                                          | 7,170.6               | 7,190.7               | 7,167.2               | 26.2             | 26.4          | 72.26                 | 338.8                               | 277.1        | 56.2                   | 4.0                     | 52.19                     | 1.077 Level 2         |          |
| 7,200.0                                                          | 7,172.1               | 7,192.2               | 7,168.7               | 26.2             | 26.4          | 72.39                 | 338.8                               | 277.1        | 56.2                   | 4.0                     | 52.20                     | 1.077 Level 2         |          |
| 7,300.0                                                          | 7,271.3               | 7,293.0               | 7,269.3               | 26.6             | 26.8          | 79.15                 | 343.1                               | 281.9        | 56.3                   | 3.2                     | 53.11                     | 1.060 Level 2         |          |
| 7,352.9                                                          | 7,324.0               | 7,345.9               | 7,322.1               | 26.8             | 27.0          | 80.90                 | 346.2                               | 284.1        | 56.2                   | 2.7                     | 53.54                     | 1.050 Level 2, CC     |          |
| 7,400.0                                                          | 7,370.8               | 7,392.9               | 7,369.0               | 27.0             | 27.2          | 81.60                 | 349.2                               | 286.1        | 56.3                   | 2.4                     | 53.91                     | 1.044 Level 2         |          |
| 7,500.0                                                          | 7,470.6               | 7,493.0               | 7,468.7               | 27.4             | 27.5          | 81.08                 | 355.6                               | 290.6        | 56.7                   | 2.0                     | 54.64                     | 1.037 Level 2, ES, SF |          |
| 7,600.0                                                          | 7,570.5               | 7,592.8               | 7,568.3               | 27.7             | 27.9          | 78.45                 | 361.6                               | 294.9        | 57.6                   | 2.3                     | 55.33                     | 1.042 Level 2         |          |
| 7,700.0                                                          | 7,670.4               | 7,692.7               | 7,668.0               | 28.1             | 28.3          | 73.97                 | 367.1                               | 299.1        | 59.4                   | 3.4                     | 55.95                     | 1.061 Level 2         |          |
| 7,726.0                                                          | 7,696.4               | 7,718.6               | 7,693.8               | 28.2             | 28.4          | 104.79                | 368.4                               | 300.1        | 60.0                   | 3.9                     | 56.10                     | 1.070 Level 2         |          |
| 7,800.0                                                          | 7,770.4               | 7,792.5               | 7,767.6               | 28.4             | 28.7          | 100.79                | 372.1                               | 303.1        | 62.1                   | 5.6                     | 56.54                     | 1.099 Level 2         |          |
| 7,900.0                                                          | 7,870.4               | 7,892.8               | 7,867.6               | 28.8             | 29.0          | 96.42                 | 376.5                               | 307.0        | 65.3                   | 8.1                     | 57.14                     | 1.143 Level 2         |          |
| 8,000.0                                                          | 7,970.4               | 7,994.0               | 7,968.8               | 29.1             | 29.4          | 95.18                 | 377.7                               | 308.8        | 66.9                   | 9.1                     | 57.79                     | 1.158 Level 2         |          |
| 8,100.0                                                          | 8,070.4               | 8,094.3               | 8,069.1               | 29.5             | 29.7          | 95.03                 | 377.8                               | 309.5        | 67.6                   | 9.1                     | 58.48                     | 1.156 Level 2         |          |
| 8,200.0                                                          | 8,170.4               | 8,194.7               | 8,169.5               | 29.8             | 30.1          | 94.94                 | 377.9                               | 309.7        | 67.8                   | 8.7                     | 59.16                     | 1.147 Level 2         |          |
| 8,278.6                                                          | 8,249.0               | 8,273.7               | 8,248.5               | 30.1             | 30.3          | 94.87                 | 378.0                               | 309.4        | 67.5                   | 7.9                     | 59.68                     | 1.132 Level 2         |          |
| 8,300.0                                                          | 8,270.4               | 8,295.3               | 8,270.1               | 30.2             | 30.4          | -76.40                | 378.0                               | 309.2        | 67.3                   | 7.5                     | 59.80                     | 1.125 Level 2         |          |
| 8,350.0                                                          | 8,320.3               | 8,345.5               | 8,320.3               | 30.3             | 30.5          | -79.86                | 377.9                               | 308.6        | 65.8                   | 5.8                     | 60.01                     | 1.096 Level 2         |          |
| 8,400.0                                                          | 8,369.5               | 8,395.0               | 8,369.8               | 30.4             | 30.7          | -87.25                | 377.8                               | 307.7        | 63.9                   | 3.8                     | 60.09                     | 1.064 Level 2         |          |
| 8,434.9                                                          | 8,403.4               | 8,429.0               | 8,403.8               | 30.5             | 30.8          | -94.71                | 377.7                               | 307.0        | 63.3                   | 3.2                     | 60.09                     | 1.054 Level 2         |          |
| 8,450.0                                                          | 8,417.9               | 8,443.4               | 8,418.2               | 30.6             | 30.9          | -98.37                | 377.7                               | 306.7        | 63.5                   | 3.4                     | 60.10                     | 1.057 Level 2         |          |
| 8,500.0                                                          | 8,465.0               | 8,490.1               | 8,464.9               | 30.7             | 31.0          | -111.57               | 377.6                               | 305.9        | 63.3                   | 7.1                     | 60.18                     | 1.118 Level 2         |          |
| 8,550.0                                                          | 8,510.4               | 8,535.2               | 8,510.0               | 30.8             | 31.1          | -124.37               | 377.5                               | 305.4        | 77.3                   | 16.9                    | 60.43                     | 1.280 Level 3         |          |
| 8,600.0                                                          | 8,553.8               | 8,578.9               | 8,553.7               | 30.9             | 31.3          | -135.01               | 377.3                               | 304.9        | 94.0                   | 33.2                    | 60.81                     | 1.547                 |          |
| 8,650.0                                                          | 8,595.0               | 8,620.2               | 8,595.0               | 30.9             | 31.4          | -142.95               | 377.1                               | 304.5        | 116.8                  | 55.6                    | 61.23                     | 1.907                 |          |
| 8,700.0                                                          | 8,633.5               | 8,658.8               | 8,633.6               | 31.0             | 31.5          | -148.59               | 376.9                               | 304.1        | 144.7                  | 83.1                    | 61.61                     | 2.348                 |          |
| 8,750.0                                                          | 8,669.0               | 8,694.4               | 8,669.2               | 31.1             | 31.6          | -152.47               | 376.8                               | 303.5        | 177.0                  | 115.1                   | 61.93                     | 2.858                 |          |
| 8,800.0                                                          | 8,701.4               | 8,726.4               | 8,701.2               | 31.1             | 31.7          | -154.96               | 376.7                               | 303.0        | 213.1                  | 150.9                   | 62.21                     | 3.425                 |          |
| 8,850.0                                                          | 8,730.3               | 8,754.6               | 8,729.4               | 31.1             | 31.8          | -156.25               | 376.7                               | 302.7        | 252.5                  | 190.0                   | 62.44                     | 4.043                 |          |
| 8,900.0                                                          | 8,755.6               | 8,779.1               | 8,753.9               | 31.2             | 31.9          | -156.46               | 376.7                               | 302.5        | 294.6                  | 232.0                   | 62.62                     | 4.704                 |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design Boros - Boros Federal #218H - Wellbore #1 - Actual |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | 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  |          |
| 8,950.0                                                          | 8,777.0               | 8,799.7               | 8,774.5               | 31.2             | 32.0          | -155.51               | 376.8                               | 302.5        | 339.1                  | 276.3                   | 62.77                     | 5.402              |          |
| 9,000.0                                                          | 8,794.4               | 8,816.4               | 8,791.2               | 31.3             | 32.0          | -152.96               | 376.8                               | 302.5        | 385.4                  | 322.5                   | 62.89                     | 6.128              |          |
| 9,050.0                                                          | 8,807.6               | 8,828.9               | 8,803.6               | 31.4             | 32.1          | -147.68               | 376.9                               | 302.6        | 433.2                  | 370.2                   | 62.97                     | 6.879              |          |
| 9,100.0                                                          | 8,816.6               | 8,837.2               | 8,811.9               | 31.5             | 32.1          | -136.50               | 377.0                               | 302.6        | 482.0                  | 419.0                   | 63.03                     | 7.647              |          |
| 9,150.0                                                          | 8,821.2               | 8,841.3               | 8,816.1               | 31.7             | 32.1          | -110.67               | 377.0                               | 302.6        | 531.5                  | 468.4                   | 63.07                     | 8.426              |          |
| 9,178.6                                                          | 8,822.0               | 8,841.7               | 8,816.5               | 31.8             | 32.1          | -85.68                | 377.0                               | 302.6        | 559.9                  | 496.8                   | 63.08                     | 8.875              |          |
| 9,200.0                                                          | 8,822.0               | 8,841.6               | 8,816.4               | 31.8             | 32.1          | -85.18                | 377.0                               | 302.6        | 581.2                  | 518.1                   | 63.09                     | 9.212              |          |
| 9,300.0                                                          | 8,822.0               | 8,840.9               | 8,815.7               | 32.2             | 32.1          | -80.72                | 377.0                               | 302.6        | 680.9                  | 617.8                   | 63.11                     | 10.789             |          |
| 9,400.0                                                          | 8,822.0               | 8,840.2               | 8,814.9               | 32.6             | 32.1          | -49.00                | 377.0                               | 302.6        | 780.9                  | 717.8                   | 63.12                     | 12.371             |          |
| 9,500.0                                                          | 8,822.0               | 8,839.4               | 8,814.2               | 33.1             | 32.1          | 73.05                 | 377.0                               | 302.6        | 880.9                  | 817.8                   | 63.12                     | 13.955             |          |
| 9,600.0                                                          | 8,822.0               | 8,838.7               | 8,813.5               | 33.7             | 32.1          | 82.23                 | 377.0                               | 302.6        | 980.8                  | 917.7                   | 63.12                     | 15.538             |          |
| 9,614.7                                                          | 8,822.0               | 8,838.6               | 8,813.4               | 33.8             | 32.1          | 82.79                 | 377.0                               | 302.6        | 995.5                  | 932.4                   | 63.12                     | 15.772             |          |
| 9,700.0                                                          | 8,822.0               | 8,838.0               | 8,812.8               | 34.3             | 32.1          | 82.22                 | 377.0                               | 302.6        | 1,080.6                | 1,017.5                 | 63.12                     | 17.121             |          |
| 9,800.0                                                          | 8,822.0               | 8,837.3               | 8,812.1               | 35.0             | 32.1          | 81.57                 | 377.0                               | 302.6        | 1,180.5                | 1,117.4                 | 63.12                     | 18.703             |          |
| 9,900.0                                                          | 8,822.0               | 8,836.7               | 8,811.4               | 35.7             | 32.1          | 80.92                 | 377.0                               | 302.6        | 1,280.4                | 1,217.2                 | 63.12                     | 20.285             |          |
| 10,000.0                                                         | 8,822.0               | 8,836.0               | 8,810.8               | 36.5             | 32.1          | 80.30                 | 377.0                               | 302.6        | 1,380.3                | 1,317.1                 | 63.12                     | 21.867             |          |
| 10,100.0                                                         | 8,822.0               | 8,835.3               | 8,810.1               | 37.4             | 32.1          | 79.68                 | 377.0                               | 302.6        | 1,480.2                | 1,417.0                 | 63.13                     | 23.448             |          |
| 10,200.0                                                         | 8,822.0               | 8,834.7               | 8,809.4               | 38.3             | 32.1          | 79.08                 | 377.0                               | 302.6        | 1,580.1                | 1,517.0                 | 63.13                     | 25.028             |          |
| 10,300.0                                                         | 8,822.0               | 8,834.0               | 8,808.8               | 39.2             | 32.1          | 78.49                 | 377.0                               | 302.6        | 1,680.0                | 1,616.9                 | 63.14                     | 26.607             |          |
| 10,400.0                                                         | 8,822.0               | 8,833.4               | 8,808.2               | 40.2             | 32.1          | 77.91                 | 377.0                               | 302.6        | 1,780.0                | 1,716.8                 | 63.15                     | 28.186             |          |
| 10,500.0                                                         | 8,822.0               | 8,832.8               | 8,807.6               | 41.2             | 32.1          | 77.34                 | 376.9                               | 302.6        | 1,879.9                | 1,816.7                 | 63.16                     | 29.764             |          |
| 10,600.0                                                         | 8,822.0               | 8,832.2               | 8,806.9               | 42.3             | 32.1          | 76.78                 | 376.9                               | 302.6        | 1,979.8                | 1,916.7                 | 63.17                     | 31.340             |          |
| 10,700.0                                                         | 8,822.0               | 8,831.6               | 8,806.3               | 43.4             | 32.1          | 76.24                 | 376.9                               | 302.6        | 2,079.8                | 2,016.6                 | 63.19                     | 32.915             |          |
| 10,800.0                                                         | 8,822.0               | 8,831.0               | 8,805.8               | 44.6             | 32.1          | 75.70                 | 376.9                               | 302.6        | 2,179.8                | 2,116.6                 | 63.20                     | 34.490             |          |
| 10,900.0                                                         | 8,822.0               | 8,830.4               | 8,805.2               | 45.8             | 32.1          | 75.18                 | 376.9                               | 302.6        | 2,279.7                | 2,216.5                 | 63.22                     | 36.062             |          |
| 11,000.0                                                         | 8,822.0               | 8,829.8               | 8,804.6               | 47.0             | 32.1          | 74.67                 | 376.9                               | 302.6        | 2,379.7                | 2,316.5                 | 63.23                     | 37.634             |          |
| 11,100.0                                                         | 8,822.0               | 8,829.3               | 8,804.0               | 48.2             | 32.1          | 74.16                 | 376.9                               | 302.6        | 2,479.7                | 2,416.4                 | 63.25                     | 39.204             |          |
| 11,200.0                                                         | 8,822.0               | 8,828.7               | 8,803.5               | 49.4             | 32.1          | 73.67                 | 376.9                               | 302.6        | 2,579.6                | 2,516.4                 | 63.27                     | 40.772             |          |
| 11,300.0                                                         | 8,822.0               | 8,828.2               | 8,802.9               | 50.7             | 32.1          | 73.19                 | 376.9                               | 302.6        | 2,679.6                | 2,616.3                 | 63.29                     | 42.339             |          |
| 11,400.0                                                         | 8,822.0               | 8,827.6               | 8,802.4               | 52.0             | 32.1          | 72.71                 | 376.9                               | 302.6        | 2,779.6                | 2,716.3                 | 63.31                     | 43.904             |          |
| 11,500.0                                                         | 8,822.0               | 8,827.1               | 8,801.9               | 53.3             | 32.1          | 72.25                 | 376.9                               | 302.6        | 2,879.5                | 2,816.2                 | 63.33                     | 45.467             |          |
| 11,600.0                                                         | 8,822.0               | 8,826.6               | 8,801.3               | 54.7             | 32.1          | 71.79                 | 376.9                               | 302.6        | 2,979.5                | 2,916.2                 | 63.36                     | 47.028             |          |
| 11,700.0                                                         | 8,822.0               | 14,496.9              | 11,826.1              | 56.0             | 62.2          | 179.24                | -2,675.0                            | 341.5        | 3,005.5                | 2,950.5                 | 55.00                     | 54.643             |          |
| 11,800.0                                                         | 8,822.0               | 14,600.7              | 11,827.0              | 57.4             | 63.5          | 179.22                | -2,778.8                            | 340.8        | 3,006.4                | 2,950.0                 | 56.39                     | 53.315             |          |
| 11,900.0                                                         | 8,822.0               | 14,735.7              | 11,827.4              | 58.8             | 65.2          | 179.15                | -2,913.8                            | 338.2        | 3,006.8                | 2,948.7                 | 58.05                     | 51.794             |          |
| 12,000.0                                                         | 8,822.0               | 14,888.1              | 11,825.1              | 60.1             | 67.1          | 179.03                | -3,066.0                            | 332.7        | 3,005.3                | 2,945.4                 | 59.90                     | 50.173             |          |
| 12,100.0                                                         | 8,822.0               | 14,989.5              | 11,822.9              | 61.6             | 68.4          | 178.92                | -3,167.3                            | 327.7        | 3,003.2                | 2,941.9                 | 61.31                     | 48.980             |          |
| 12,200.0                                                         | 8,822.0               | 15,103.9              | 11,819.9              | 63.0             | 69.9          | 178.79                | -3,281.5                            | 321.7        | 3,000.7                | 2,937.8                 | 62.86                     | 47.736             |          |
| 12,300.0                                                         | 8,822.0               | 15,190.5              | 11,817.6              | 64.4             | 71.0          | 178.67                | -3,367.9                            | 316.1        | 2,998.1                | 2,934.0                 | 64.17                     | 46.725             |          |
| 12,400.0                                                         | 8,822.0               | 15,268.7              | 11,816.1              | 65.8             | 72.0          | 178.61                | -3,446.0                            | 313.2        | 2,996.4                | 2,931.0                 | 65.39                     | 45.821             |          |
| 12,500.0                                                         | 8,822.0               | 15,354.3              | 11,814.9              | 67.3             | 73.2          | 178.57                | -3,531.6                            | 311.9        | 2,995.0                | 2,928.3                 | 66.69                     | 44.912             |          |
| 12,572.5                                                         | 8,822.0               | 15,397.2              | 11,814.7              | 68.3             | 73.8          | 178.57                | -3,574.5                            | 312.2        | 2,994.7                | 2,927.2                 | 67.45                     | 44.397             |          |
| 12,600.0                                                         | 8,822.0               | 15,413.4              | 11,814.8              | 68.7             | 74.0          | 178.58                | -3,590.7                            | 312.6        | 2,994.7                | 2,927.0                 | 67.74                     | 44.208             |          |
| 12,700.0                                                         | 8,822.0               | 15,536.2              | 11,815.2              | 70.2             | 75.7          | 178.62                | -3,713.5                            | 315.3        | 2,995.1                | 2,925.7                 | 69.36                     | 43.180             |          |
| 12,718.2                                                         | 8,822.0               | 15,542.9              | 11,815.2              | 70.5             | 75.8          | 178.62                | -3,720.1                            | 315.3        | 2,995.1                | 2,925.6                 | 69.52                     | 43.082             |          |
| 12,800.0                                                         | 8,822.0               | 15,592.6              | 11,815.4              | 71.7             | 76.5          | 178.62                | -3,769.9                            | 315.7        | 2,995.5                | 2,925.1                 | 70.40                     | 42.547             |          |
| 12,900.0                                                         | 8,822.0               | 15,682.2              | 11,816.8              | 73.2             | 77.7          | 178.61                | -3,859.5                            | 315.8        | 2,997.0                | 2,925.3                 | 71.75                     | 41.770             |          |
| 13,000.0                                                         | 8,822.0               | 15,748.4              | 11,817.8              | 74.7             | 78.6          | 178.58                | -3,925.7                            | 314.9        | 2,998.7                | 2,925.9                 | 72.89                     | 41.140             |          |
| 13,100.0                                                         | 8,822.0               | 15,808.0              | 11,820.0              | 76.2             | 79.4          | 178.57                | -3,985.2                            | 314.6        | 3,002.2                | 2,928.2                 | 73.97                     | 40.586             |          |
| 13,200.0                                                         | 8,822.0               | 15,877.9              | 11,823.3              | 77.7             | 80.4          | 178.57                | -4,055.1                            | 314.9        | 3,006.9                | 2,931.7                 | 75.15                     | 40.013             |          |
| 13,300.0                                                         | 8,822.0               | 15,958.5              | 11,827.5              | 79.2             | 81.6          | 178.58                | -4,135.5                            | 315.7        | 3,012.0                | 2,935.6                 | 76.42                     | 39.413             |          |
| 13,400.0                                                         | 8,822.0               | 16,081.0              | 11,834.2              | 80.7             | 83.3          | 178.60                | -4,257.9                            | 317.2        | 3,017.6                | 2,939.5                 | 78.09                     | 38.645             |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design Boros - Boros Federal #218H - Wellbore #1 - Actual |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | 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 |                    |          |
| 13,500.0                                                         | 8,822.0               | 16,210.2              | 11,839.7              | 82.2             | 85.2          | 178.63                | -4,386.9                            | 319.8        | 3,021.8                | 2,942.0                 | 79.81                     | 37.862            |                    |          |
| 13,600.0                                                         | 8,822.0               | 16,332.3              | 11,844.1              | 83.7             | 87.0          | 178.70                | -4,508.8                            | 324.2        | 3,025.3                | 2,943.8                 | 81.47                     | 37.135            |                    |          |
| 13,700.0                                                         | 8,822.0               | 16,480.7              | 11,847.7              | 85.2             | 89.1          | 178.82                | -4,657.0                            | 331.1        | 3,027.7                | 2,944.3                 | 83.37                     | 36.318            |                    |          |
| 13,800.0                                                         | 8,822.0               | 16,551.4              | 11,849.2              | 86.8             | 90.2          | 178.85                | -4,727.7                            | 333.3        | 3,029.7                | 2,945.2                 | 84.56                     | 35.829            |                    |          |
| 13,900.0                                                         | 8,822.0               | 16,787.8              | 11,849.5              | 88.3             | 93.6          | 178.85                | -4,964.1                            | 334.4        | 3,029.8                | 2,942.4                 | 87.31                     | 34.702            |                    |          |
| 14,000.0                                                         | 8,822.0               | 16,879.3              | 11,847.9              | 89.9             | 95.0          | 178.86                | -5,055.4                            | 335.9        | 3,028.0                | 2,939.3                 | 88.71                     | 34.135            |                    |          |
| 14,100.0                                                         | 8,822.0               | 16,984.4              | 11,845.8              | 91.4             | 96.6          | 178.90                | -5,160.6                            | 338.8        | 3,025.9                | 2,935.7                 | 90.23                     | 33.536            |                    |          |
| 14,200.0                                                         | 8,822.0               | 17,061.1              | 11,844.6              | 92.9             | 97.7          | 178.94                | -5,237.2                            | 341.0        | 3,024.3                | 2,932.8                 | 91.49                     | 33.055            |                    |          |
| 14,300.0                                                         | 8,822.0               | 17,127.6              | 11,844.2              | 94.5             | 98.7          | 178.95                | -5,303.7                            | 342.1        | 3,023.7                | 2,931.0                 | 92.67                     | 32.629            |                    |          |
| 14,313.0                                                         | 8,822.0               | 17,139.0              | 11,844.2              | 94.7             | 98.9          | 178.95                | -5,315.1                            | 342.1        | 3,023.7                | 2,930.9                 | 92.85                     | 32.566            |                    |          |
| 14,400.0                                                         | 8,822.0               | 17,216.5              | 11,844.3              | 96.0             | 100.0         | 178.95                | -5,392.6                            | 342.6        | 3,023.9                | 2,929.8                 | 94.06                     | 32.149            |                    |          |
| 14,500.0                                                         | 8,822.0               | 17,281.9              | 11,844.8              | 97.6             | 101.0         | 178.95                | -5,458.0                            | 343.3        | 3,024.7                | 2,929.5                 | 95.22                     | 31.764            |                    |          |
| 14,600.0                                                         | 8,822.0               | 17,345.2              | 11,846.2              | 99.2             | 102.0         | 178.97                | -5,521.2                            | 344.6        | 3,026.8                | 2,930.4                 | 96.36                     | 31.411            |                    |          |
| 14,700.0                                                         | 8,822.0               | 17,431.4              | 11,848.8              | 100.7            | 103.3         | 179.01                | -5,607.3                            | 347.1        | 3,029.8                | 2,932.1                 | 97.72                     | 31.006            |                    |          |
| 14,800.0                                                         | 8,822.0               | 17,600.9              | 11,851.5              | 102.3            | 105.8         | 179.05                | -5,776.8                            | 350.4        | 3,031.0                | 2,931.2                 | 99.88                     | 30.346            |                    |          |
| 14,900.0                                                         | 8,822.0               | 17,682.1              | 11,852.4              | 103.9            | 107.1         | 179.07                | -5,858.0                            | 351.9        | 3,032.1                | 2,930.9                 | 101.20                    | 29.961            |                    |          |
| 15,000.0                                                         | 8,822.0               | 17,758.3              | 11,853.8              | 105.4            | 108.2         | 179.08                | -5,934.2                            | 352.7        | 3,033.9                | 2,931.5                 | 102.48                    | 29.606            |                    |          |
| 15,100.0                                                         | 8,822.0               | 17,921.5              | 11,856.3              | 107.0            | 110.7         | 179.09                | -6,097.4                            | 354.2        | 3,035.7                | 2,931.1                 | 104.59                    | 29.024            |                    |          |
| 15,200.0                                                         | 8,822.0               | 18,106.5              | 11,855.0              | 108.6            | 113.5         | 179.07                | -6,282.3                            | 354.3        | 3,035.5                | 2,928.6                 | 106.90                    | 28.396            |                    |          |
| 15,300.0                                                         | 8,822.0               | 18,194.2              | 11,852.8              | 110.2            | 114.9         | 179.07                | -6,370.0                            | 355.0        | 3,033.0                | 2,924.7                 | 108.30                    | 28.007            |                    |          |
| 15,400.0                                                         | 8,822.0               | 18,270.4              | 11,851.4              | 111.7            | 116.1         | 179.08                | -6,446.2                            | 356.2        | 3,031.2                | 2,921.6                 | 109.59                    | 27.660            |                    |          |
| 15,500.0                                                         | 8,822.0               | 18,329.4              | 11,851.0              | 113.3            | 117.0         | 179.10                | -6,505.1                            | 357.6        | 3,030.3                | 2,919.6                 | 110.71                    | 27.372            |                    |          |
| 15,507.8                                                         | 8,822.0               | 18,333.8              | 11,851.0              | 113.4            | 117.0         | 179.11                | -6,509.5                            | 357.7        | 3,030.3                | 2,919.5                 | 110.79                    | 27.351            |                    |          |
| 15,600.0                                                         | 8,822.0               | 18,424.1              | 11,851.4              | 114.9            | 118.4         | 179.15                | -6,599.8                            | 360.4        | 3,030.7                | 2,918.6                 | 112.16                    | 27.020            |                    |          |
| 15,700.0                                                         | 8,822.0               | 18,567.2              | 11,850.3              | 116.5            | 120.7         | 179.16                | -6,742.9                            | 362.0        | 3,030.0                | 2,915.9                 | 114.09                    | 26.558            |                    |          |
| 15,800.0                                                         | 8,822.0               | 18,692.0              | 11,848.2              | 118.1            | 122.6         | 179.18                | -6,867.7                            | 364.1        | 3,028.2                | 2,912.4                 | 115.83                    | 26.144            |                    |          |
| 15,900.0                                                         | 8,822.0               | 15,900.0              | 11,844.0              | 119.7            | 79.0          | 179.26                | -7,008.6                            | 369.1        | 3,025.1                | 2,929.3                 | 95.85                     | 31.560            |                    |          |
| 16,000.0                                                         | 8,822.0               | 18,947.0              | 11,839.2              | 121.3            | 126.6         | 179.36                | -7,122.2                            | 374.9        | 3,020.8                | 2,901.5                 | 119.32                    | 25.317            |                    |          |
| 16,100.0                                                         | 8,822.0               | 19,017.3              | 11,836.7              | 122.8            | 127.7         | 179.43                | -7,192.3                            | 379.0        | 3,017.2                | 2,896.6                 | 120.56                    | 25.026            |                    |          |
| 16,200.0                                                         | 8,822.0               | 19,083.4              | 11,835.1              | 124.4            | 128.7         | 179.49                | -7,258.4                            | 382.9        | 3,014.7                | 2,893.0                 | 121.76                    | 24.759            |                    |          |
| 16,300.0                                                         | 8,822.0               | 19,157.0              | 11,834.1              | 126.0            | 129.9         | 179.59                | -7,331.7                            | 388.5        | 3,013.4                | 2,890.4                 | 123.02                    | 24.494            |                    |          |
| 16,400.0                                                         | 8,822.0               | 19,283.0              | 11,832.8              | 127.6            | 131.9         | 179.73                | -7,457.4                            | 396.8        | 3,012.3                | 2,887.6                 | 124.77                    | 24.144            |                    |          |
| 16,500.0                                                         | 8,822.0               | 19,435.4              | 11,828.4              | 129.2            | 134.3         | 179.77                | -7,609.7                            | 399.7        | 3,009.4                | 2,882.6                 | 126.75                    | 23.742            |                    |          |
| 16,600.0                                                         | 8,822.0               | 19,530.6              | 11,825.1              | 130.8            | 135.7         | 179.77                | -7,704.8                            | 400.2        | 3,005.9                | 2,877.7                 | 128.24                    | 23.440            |                    |          |
| 16,700.0                                                         | 8,822.0               | 19,635.5              | 11,821.4              | 132.4            | 137.4         | 179.72                | -7,809.7                            | 398.5        | 3,002.4                | 2,872.6                 | 129.82                    | 23.128            |                    |          |
| 16,800.0                                                         | 8,822.0               | 19,730.6              | 11,817.9              | 134.0            | 138.9         | 179.67                | -7,904.7                            | 396.4        | 2,998.7                | 2,867.4                 | 131.31                    | 22.837            |                    |          |
| 16,900.0                                                         | 8,822.0               | 19,803.0              | 11,815.8              | 135.6            | 140.0         | 179.62                | -7,977.0                            | 394.2        | 2,995.8                | 2,863.2                 | 132.60                    | 22.593            |                    |          |
| 17,000.0                                                         | 8,822.0               | 19,901.9              | 11,813.4              | 137.2            | 141.5         | 179.55                | -8,075.8                            | 391.4        | 2,993.4                | 2,859.3                 | 134.13                    | 22.317            |                    |          |
| 17,100.0                                                         | 8,822.0               | 19,980.1              | 11,811.8              | 138.8            | 142.8         | 179.51                | -8,154.0                            | 389.5        | 2,991.3                | 2,855.9                 | 135.47                    | 22.080            |                    |          |
| 17,200.0                                                         | 8,822.0               | 20,105.6              | 11,809.1              | 140.4            | 144.7         | 179.42                | -8,279.4                            | 385.7        | 2,989.3                | 2,852.0                 | 137.26                    | 21.779            |                    |          |
| 17,300.0                                                         | 8,822.0               | 20,148.1              | 11,808.6              | 142.0            | 145.4         | 179.38                | -8,321.9                            | 384.2        | 2,987.8                | 2,849.6                 | 138.26                    | 21.610            |                    |          |
| 17,335.0                                                         | 8,822.0               | 20,166.5              | 11,808.5              | 142.6            | 145.7         | 179.37                | -8,340.3                            | 383.5        | 2,987.7                | 2,849.1                 | 138.64                    | 21.550            |                    |          |
| 17,400.0                                                         | 8,822.0               | 20,208.8              | 11,808.6              | 143.7            | 146.3         | 179.33                | -8,382.6                            | 382.0        | 2,987.9                | 2,848.5                 | 139.42                    | 21.431            |                    |          |
| 17,500.0                                                         | 8,822.0               | 20,298.9              | 11,809.5              | 145.3            | 147.7         | 179.28                | -8,472.6                            | 379.7        | 2,988.9                | 2,848.0                 | 140.87                    | 21.217            |                    |          |
| 17,600.0                                                         | 8,822.0               | 20,425.6              | 11,809.7              | 146.9            | 149.7         | 179.22                | -8,599.3                            | 377.5        | 2,989.0                | 2,846.3                 | 142.69                    | 20.947            |                    |          |
| 17,700.0                                                         | 8,822.0               | 20,517.7              | 11,810.0              | 148.5            | 151.2         | 179.22                | -8,691.5                            | 377.7        | 2,989.3                | 2,845.1                 | 144.15                    | 20.737            |                    |          |
| 17,800.0                                                         | 8,822.0               | 20,683.5              | 11,809.0              | 150.1            | 153.8         | 179.15                | -8,857.1                            | 375.4        | 2,988.9                | 2,842.5                 | 146.34                    | 20.425            |                    |          |
| 17,900.0                                                         | 8,822.0               | 20,785.6              | 11,806.6              | 151.7            | 155.4         | 179.06                | -8,959.1                            | 371.2        | 2,986.6                | 2,838.7                 | 147.92                    | 20.191            |                    |          |
| 18,000.0                                                         | 8,822.0               | 20,850.0              | 11,805.8              | 153.3            | 156.4         | 178.98                | -9,023.4                            | 367.6        | 2,985.4                | 2,836.2                 | 149.14                    | 20.017            |                    |          |
| 18,100.0                                                         | 8,822.0               | 20,995.9              | 11,803.9              | 154.9            | 158.7         | 178.78                | -9,169.0                            | 358.0        | 2,984.4                | 2,833.2                 | 151.17                    | 19.742            |                    |          |
| 18,200.0                                                         | 8,822.0               | 21,095.3              | 11,801.1              | 156.5            | 160.3         | 178.64                | -9,268.1                            | 351.3        | 2,981.7                | 2,829.0                 | 152.75                    | 19.520            |                    |          |
| 18,300.0                                                         | 8,822.0               | 21,159.9              | 11,799.9              | 158.2            | 161.3         | 178.56                | -9,332.6                            | 347.8        | 2,980.0                | 2,826.1                 | 153.99                    | 19.353            |                    |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| <b>Offset Design</b> Boros - Boros Federal #218H - Wellbore #1 - Actual |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | <b>Offset Site Error:</b> | 0.0 usft |
|-------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|---------------------------|----------|
| Survey Program: 148-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 |                           |          |
| 18,400.0                                                                | 8,822.0               | 21,231.0              | 11,799.7              | 159.8            | 162.4         | 178.52                | -9,403.7                            | 346.2        | 2,979.7                | 2,824.5                 | 155.26                    | 19.192            |                           |          |
| 18,401.9                                                                | 8,822.0               | 21,231.0              | 11,799.7              | 159.8            | 162.4         | 178.52                | -9,403.7                            | 346.2        | 2,979.7                | 2,824.5                 | 155.27                    | 19.191            |                           |          |
| 18,500.0                                                                | 8,822.0               | 21,342.9              | 11,799.8              | 161.4            | 164.2         | 178.53                | -9,515.6                            | 347.5        | 2,979.8                | 2,822.9                 | 156.92                    | 18.990            |                           |          |
| 18,600.0                                                                | 8,822.0               | 21,442.3              | 11,799.4              | 163.0            | 165.8         | 178.56                | -9,615.0                            | 349.7        | 2,979.3                | 2,820.9                 | 158.45                    | 18.803            |                           |          |
| 18,651.2                                                                | 8,822.0               | 21,480.4              | 11,799.3              | 163.8            | 166.4         | 178.58                | -9,653.1                            | 350.8        | 2,979.2                | 2,820.1                 | 159.10                    | 18.725            |                           |          |
| 18,700.0                                                                | 8,822.0               | 21,517.0              | 11,799.4              | 164.6            | 167.0         | 178.60                | -9,689.6                            | 352.2        | 2,979.3                | 2,819.6                 | 159.72                    | 18.653            |                           |          |
| 18,800.0                                                                | 8,822.0               | 21,588.4              | 11,800.1              | 166.2            | 168.1         | 178.66                | -9,761.0                            | 355.4        | 2,980.2                | 2,819.2                 | 160.95                    | 18.516            |                           |          |
| 18,900.0                                                                | 8,822.0               | 21,674.6              | 11,801.7              | 167.9            | 169.5         | 178.74                | -9,847.0                            | 360.3        | 2,981.9                | 2,819.6                 | 162.32                    | 18.370            |                           |          |
| 19,000.0                                                                | 8,822.0               | 21,799.3              | 11,803.6              | 169.5            | 171.5         | 178.86                | -9,971.4                            | 367.5        | 2,983.3                | 2,819.2                 | 164.09                    | 18.181            |                           |          |
| 19,100.0                                                                | 8,822.0               | 21,819.0              | 11,803.8              | 171.1            | 171.8         | 178.88                | -9,991.1                            | 368.6        | 2,985.4                | 2,820.7                 | 164.75                    | 18.121            |                           |          |
| 19,129.9                                                                | 8,822.0               | 21,819.0              | 11,803.8              | 171.6            | 171.8         | 178.88                | -9,991.1                            | 368.6        | 2,986.7                | 2,821.8                 | 164.86                    | 18.116            |                           |          |

# Anticollision Report

|                           |                            |                                     |                          |
|---------------------------|----------------------------|-------------------------------------|--------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design Boros - Boros Federal #224H - Wellbore #1 - Actual |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 243-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           | -77.79                | 30.4                                | -140.3       | 143.6                  |                         |                           |                    |          |
| 100.0                                                            | 100.0                 | 97.7                  | 97.7                  | 0.1              | 0.2           | -77.74                | 30.5                                | -140.4       | 143.7                  | 143.4                   | 0.28                      | 507.578            |          |
| 200.0                                                            | 200.0                 | 197.5                 | 197.5                 | 0.5              | 0.3           | -77.59                | 30.9                                | -140.6       | 143.9                  | 143.1                   | 0.80                      | 180.092            |          |
| 300.0                                                            | 300.0                 | 297.3                 | 297.3                 | 0.8              | 0.6           | -77.35                | 31.6                                | -140.9       | 144.4                  | 142.9                   | 1.42                      | 101.347            |          |
| 400.0                                                            | 400.0                 | 397.3                 | 397.3                 | 1.2              | 0.9           | -77.07                | 32.4                                | -141.2       | 144.8                  | 142.7                   | 2.14                      | 67.647             |          |
| 500.0                                                            | 500.0                 | 497.1                 | 497.1                 | 1.6              | 1.3           | -76.77                | 33.3                                | -141.5       | 145.4                  | 142.5                   | 2.86                      | 50.878             |          |
| 600.0                                                            | 600.0                 | 597.2                 | 597.2                 | 1.9              | 1.7           | -76.44                | 34.2                                | -141.9       | 146.0                  | 142.4                   | 3.57                      | 40.836             |          |
| 700.0                                                            | 700.0                 | 697.2                 | 697.1                 | 2.3              | 2.0           | -76.14                | 35.1                                | -142.3       | 146.5                  | 142.2                   | 4.29                      | 34.145 ES          |          |
| 800.0                                                            | 800.0                 | 796.1                 | 796.0                 | 2.6              | 2.4           | -75.90                | 35.9                                | -143.0       | 147.5                  | 142.5                   | 5.00                      | 29.477             |          |
| 900.0                                                            | 900.0                 | 895.2                 | 895.2                 | 3.0              | 2.7           | -75.74                | 36.7                                | -144.4       | 149.1                  | 143.3                   | 5.71                      | 26.088             |          |
| 1,000.0                                                          | 1,000.0               | 994.2                 | 994.1                 | 3.4              | 3.1           | -75.72                | 37.3                                | -146.7       | 151.4                  | 145.0                   | 6.42                      | 23.570             |          |
| 1,100.0                                                          | 1,100.0               | 1,094.2               | 1,094.1               | 3.7              | 3.4           | -75.70                | 38.0                                | -149.1       | 153.9                  | 146.8                   | 7.14                      | 21.569             |          |
| 1,200.0                                                          | 1,200.0               | 1,194.2               | 1,194.0               | 4.1              | 3.8           | -75.80                | 38.4                                | -151.6       | 156.5                  | 148.6                   | 7.85                      | 19.936             |          |
| 1,300.0                                                          | 1,300.0               | 1,294.6               | 1,294.4               | 4.4              | 4.1           | -75.92                | 38.7                                | -154.1       | 158.9                  | 150.3                   | 8.56                      | 18.556             |          |
| 1,400.0                                                          | 1,400.0               | 1,394.6               | 1,394.4               | 4.8              | 4.5           | -75.84                | 39.4                                | -156.1       | 161.0                  | 151.7                   | 9.28                      | 17.354             |          |
| 1,500.0                                                          | 1,500.0               | 1,494.2               | 1,494.0               | 5.1              | 4.9           | -75.73                | 40.3                                | -158.3       | 163.4                  | 153.4                   | 9.99                      | 16.354             |          |
| 1,600.0                                                          | 1,600.0               | 1,593.8               | 1,593.5               | 5.5              | 5.2           | -75.15                | 42.5                                | -160.4       | 166.0                  | 155.3                   | 10.71                     | 15.502             |          |
| 1,700.0                                                          | 1,700.0               | 1,693.1               | 1,692.7               | 5.9              | 5.6           | -73.85                | 46.9                                | -162.1       | 168.9                  | 157.5                   | 11.42                     | 14.789             |          |
| 1,800.0                                                          | 1,800.0               | 1,792.5               | 1,792.0               | 6.2              | 5.9           | -72.35                | 52.2                                | -164.0       | 172.2                  | 160.1                   | 12.13                     | 14.192             |          |
| 1,900.0                                                          | 1,900.0               | 1,893.3               | 1,892.6               | 6.6              | 6.3           | -70.70                | 58.0                                | -165.5       | 175.5                  | 162.6                   | 12.85                     | 13.654             |          |
| 2,000.0                                                          | 2,000.0               | 1,992.4               | 1,991.4               | 6.9              | 6.6           | -68.81                | 64.6                                | -166.7       | 178.9                  | 165.3                   | 13.56                     | 13.187             |          |
| 2,100.0                                                          | 2,100.0               | 2,091.3               | 2,090.1               | 7.3              | 7.0           | -66.94                | 71.6                                | -168.1       | 182.9                  | 168.6                   | 14.28                     | 12.813             |          |
| 2,200.0                                                          | 2,200.0               | 2,191.4               | 2,190.0               | 7.7              | 7.4           | -65.12                | 78.7                                | -169.7       | 187.2                  | 172.2                   | 14.99                     | 12.485             |          |
| 2,300.0                                                          | 2,300.0               | 2,291.1               | 2,289.4               | 8.0              | 7.7           | -63.47                | 85.5                                | -171.2       | 191.6                  | 175.9                   | 15.71                     | 12.194             |          |
| 2,400.0                                                          | 2,400.0               | 2,390.7               | 2,388.8               | 8.4              | 8.1           | -62.03                | 91.9                                | -173.1       | 196.2                  | 179.7                   | 16.43                     | 11.941             |          |
| 2,500.0                                                          | 2,500.0               | 2,490.0               | 2,487.9               | 8.7              | 8.5           | -60.83                | 97.9                                | -175.3       | 201.0                  | 183.9                   | 17.14                     | 11.725             |          |
| 2,600.0                                                          | 2,600.0               | 2,588.9               | 2,586.5               | 9.1              | 8.8           | -59.44                | 104.7                               | -177.4       | 206.3                  | 188.4                   | 17.85                     | 11.554             |          |
| 2,700.0                                                          | 2,700.0               | 2,687.7               | 2,684.9               | 9.4              | 9.2           | -57.72                | 113.1                               | -179.0       | 212.2                  | 193.6                   | 18.57                     | 11.427             |          |
| 2,800.0                                                          | 2,800.0               | 2,786.5               | 2,783.3               | 9.8              | 9.6           | -55.80                | 122.6                               | -180.4       | 218.7                  | 199.4                   | 19.28                     | 11.342             |          |
| 2,900.0                                                          | 2,900.0               | 2,886.7               | 2,882.9               | 10.2             | 9.9           | -53.80                | 132.9                               | -181.6       | 225.5                  | 205.5                   | 20.00                     | 11.274             |          |
| 3,000.0                                                          | 3,000.0               | 2,987.9               | 2,983.7               | 10.5             | 10.3          | -51.98                | 142.6                               | -182.4       | 231.9                  | 211.2                   | 20.73                     | 11.187             |          |
| 3,100.0                                                          | 3,100.0               | 3,085.9               | 3,081.2               | 10.9             | 10.7          | -50.38                | 151.6                               | -183.1       | 238.3                  | 216.8                   | 21.44                     | 11.115             |          |
| 3,200.0                                                          | 3,200.0               | 3,181.2               | 3,176.0               | 11.2             | 11.0          | -48.77                | 161.6                               | -184.4       | 246.2                  | 224.1                   | 22.12                     | 11.132             |          |
| 3,300.0                                                          | 3,300.0               | 3,281.6               | 3,275.7               | 11.6             | 11.4          | -47.15                | 173.1                               | -186.5       | 255.4                  | 232.6                   | 22.84                     | 11.182             |          |
| 3,400.0                                                          | 3,400.0               | 3,383.7               | 3,377.2               | 12.0             | 11.8          | -45.76                | 183.4                               | -188.3       | 263.7                  | 240.1                   | 23.59                     | 11.179             |          |
| 3,500.0                                                          | 3,500.0               | 3,488.4               | 3,481.6               | 12.3             | 12.2          | -44.54                | 192.6                               | -189.6       | 270.8                  | 246.4                   | 24.34                     | 11.123             |          |
| 3,600.0                                                          | 3,600.0               | 3,589.1               | 3,581.9               | 12.7             | 12.6          | -43.40                | 200.6                               | -189.7       | 276.6                  | 251.5                   | 25.07                     | 11.035             |          |
| 3,700.0                                                          | 3,700.0               | 3,687.4               | 3,679.9               | 13.0             | 12.9          | -42.20                | 209.0                               | -189.5       | 282.7                  | 256.9                   | 25.78                     | 10.968             |          |
| 3,800.0                                                          | 3,800.0               | 3,789.2               | 3,781.3               | 13.4             | 13.3          | -41.07                | 217.4                               | -189.4       | 288.8                  | 262.3                   | 26.51                     | 10.895             |          |
| 3,900.0                                                          | 3,900.0               | 3,889.5               | 3,881.4               | 13.7             | 13.7          | -72.54                | 224.7                               | -189.7       | 294.3                  | 267.0                   | 27.23                     | 10.807             |          |
| 4,000.0                                                          | 4,000.0               | 3,987.5               | 3,979.1               | 14.1             | 14.1          | -72.15                | 231.7                               | -190.2       | 299.3                  | 271.4                   | 27.93                     | 10.716             |          |
| 4,100.0                                                          | 4,099.9               | 4,080.0               | 4,071.3               | 14.5             | 14.4          | -72.01                | 239.8                               | -191.4       | 305.5                  | 276.9                   | 28.59                     | 10.686             |          |
| 4,200.0                                                          | 4,199.7               | 4,176.1               | 4,166.7               | 14.8             | 14.8          | -72.00                | 250.2                               | -193.2       | 313.2                  | 283.9                   | 29.28                     | 10.697             |          |
| 4,300.0                                                          | 4,299.4               | 4,276.4               | 4,266.5               | 15.2             | 15.2          | -72.27                | 261.4                               | -195.2       | 320.6                  | 290.6                   | 30.01                     | 10.683             |          |
| 4,400.0                                                          | 4,398.9               | 4,375.6               | 4,365.0               | 15.5             | 15.5          | -72.73                | 272.5                               | -196.7       | 327.2                  | 296.5                   | 30.73                     | 10.647             |          |
| 4,500.0                                                          | 4,498.3               | 4,468.5               | 4,457.1               | 15.9             | 15.9          | -73.28                | 284.3                               | -198.4       | 334.8                  | 303.4                   | 31.39                     | 10.664             |          |
| 4,600.0                                                          | 4,597.4               | 4,564.8               | 4,552.4               | 16.2             | 16.3          | -74.09                | 297.7                               | -201.1       | 343.4                  | 311.3                   | 32.09                     | 10.700             |          |
| 4,700.0                                                          | 4,696.4               | 4,664.7               | 4,651.3               | 16.6             | 16.7          | -75.13                | 311.6                               | -204.3       | 352.2                  | 319.3                   | 32.84                     | 10.723             |          |
| 4,800.0                                                          | 4,795.5               | 4,763.3               | 4,748.9               | 17.0             | 17.1          | -76.10                | 325.4                               | -207.4       | 361.0                  | 327.5                   | 33.58                     | 10.752             |          |
| 4,900.0                                                          | 4,894.5               | 4,859.8               | 4,844.4               | 17.3             | 17.5          | -76.98                | 339.4                               | -210.6       | 370.5                  | 336.3                   | 34.30                     | 10.804             |          |
| 5,000.0                                                          | 4,993.5               | 4,956.9               | 4,940.2               | 17.7             | 17.9          | -77.82                | 354.0                               | -214.5       | 381.0                  | 346.0                   | 35.02                     | 10.878             |          |
| 5,100.0                                                          | 5,092.5               | 5,061.0               | 5,043.1               | 18.1             | 18.3          | -78.72                | 369.3                               | -218.7       | 391.4                  | 355.5                   | 35.84                     | 10.921             |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design Boros - Boros Federal #224H - Wellbore #1 - Actual |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 243-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  |          |
| 5,200.0                                                          | 5,191.6               | 5,166.2               | 5,147.5               | 18.5             | 18.7          | -79.86                | 382.1                               | -222.8       | 399.9                  | 363.2                   | 36.66                     | 10.907             |          |
| 5,300.0                                                          | 5,290.6               | 5,268.9               | 5,249.5               | 18.8             | 19.1          | -81.15                | 392.8                               | -227.3       | 407.8                  | 370.4                   | 37.45                     | 10.890             |          |
| 5,400.0                                                          | 5,389.6               | 5,384.5               | 5,364.7               | 19.2             | 19.6          | -82.96                | 401.0                               | -232.4       | 414.0                  | 375.7                   | 38.33                     | 10.801             |          |
| 5,500.0                                                          | 5,488.6               | 5,488.2               | 5,468.2               | 19.6             | 19.9          | -84.92                | 404.1                               | -236.2       | 417.3                  | 378.2                   | 39.10                     | 10.672             |          |
| 5,600.0                                                          | 5,587.7               | 5,604.3               | 5,584.3               | 20.0             | 20.3          | -87.22                | 405.2                               | -238.9       | 418.8                  | 378.9                   | 39.89                     | 10.498             |          |
| 5,700.0                                                          | 5,686.7               | 5,707.9               | 5,687.9               | 20.4             | 20.6          | -89.34                | 404.5                               | -239.7       | 418.6                  | 378.0                   | 40.62                     | 10.304             |          |
| 5,800.0                                                          | 5,785.7               | 5,815.3               | 5,795.2               | 20.7             | 21.0          | -91.66                | 401.6                               | -238.8       | 416.6                  | 375.2                   | 41.34                     | 10.078             |          |
| 5,900.0                                                          | 5,884.8               | 5,914.5               | 5,894.4               | 21.1             | 21.3          | -93.92                | 398.0                               | -237.7       | 414.4                  | 372.4                   | 42.05                     | 9.855              |          |
| 6,000.0                                                          | 5,983.8               | 6,013.7               | 5,993.5               | 21.5             | 21.6          | -96.25                | 393.9                               | -236.7       | 412.9                  | 370.1                   | 42.77                     | 9.654              |          |
| 6,100.0                                                          | 6,082.8               | 6,112.3               | 6,092.0               | 21.9             | 21.9          | -98.60                | 389.7                               | -235.5       | 411.8                  | 368.3                   | 43.48                     | 9.470              |          |
| 6,200.0                                                          | 6,181.8               | 6,211.3               | 6,190.9               | 22.3             | 22.2          | -100.98               | 385.5                               | -234.5       | 411.5                  | 367.3                   | 44.20                     | 9.311              |          |
| 6,217.9                                                          | 6,199.6               | 6,229.3               | 6,208.9               | 22.4             | 22.2          | -101.40               | 384.7                               | -234.3       | 411.5                  | 367.2                   | 44.33                     | 9.284              |          |
| 6,300.0                                                          | 6,280.9               | 6,309.7               | 6,289.2               | 22.7             | 22.5          | -103.29               | 381.5                               | -233.1       | 411.8                  | 366.8                   | 44.92                     | 9.167              |          |
| 6,400.0                                                          | 6,379.9               | 6,402.2               | 6,381.6               | 23.1             | 22.8          | -105.45               | 378.0                               | -232.4       | 413.3                  | 367.7                   | 45.63                     | 9.058              |          |
| 6,500.0                                                          | 6,478.9               | 6,496.9               | 6,476.3               | 23.5             | 23.1          | -107.28               | 377.3                               | -232.5       | 417.2                  | 370.8                   | 46.34                     | 9.002              |          |
| 6,600.0                                                          | 6,577.9               | 6,595.4               | 6,574.8               | 23.9             | 23.4          | -109.02               | 377.7                               | -232.6       | 421.7                  | 374.7                   | 47.07                     | 8.959              |          |
| 6,700.0                                                          | 6,677.0               | 6,693.0               | 6,672.5               | 24.2             | 23.7          | -110.79               | 377.5                               | -233.0       | 426.9                  | 379.1                   | 47.79                     | 8.933              |          |
| 6,800.0                                                          | 6,776.0               | 6,794.2               | 6,773.6               | 24.6             | 24.1          | -112.56               | 377.4                               | -233.5       | 432.6                  | 384.1                   | 48.52                     | 8.916              |          |
| 6,900.0                                                          | 6,875.0               | 6,892.8               | 6,872.3               | 25.0             | 24.4          | -114.25               | 377.1                               | -233.6       | 438.1                  | 388.9                   | 49.23                     | 8.899              |          |
| 7,000.0                                                          | 6,974.0               | 6,992.6               | 6,972.1               | 25.4             | 24.7          | -115.97               | 376.5                               | -233.8       | 444.3                  | 394.3                   | 49.95                     | 8.895              |          |
| 7,100.0                                                          | 7,073.1               | 7,091.9               | 7,071.4               | 25.8             | 25.1          | -117.65               | 375.8                               | -233.8       | 450.5                  | 399.9                   | 50.65                     | 8.894              |          |
| 7,192.6                                                          | 7,164.8               | 7,185.2               | 7,164.7               | 26.2             | 25.4          | -119.17               | 375.1                               | -233.6       | 456.5                  | 405.2                   | 51.31                     | 8.897              |          |
| 7,200.0                                                          | 7,172.1               | 7,192.7               | 7,172.1               | 26.2             | 25.4          | -119.30               | 375.1                               | -233.6       | 457.0                  | 405.6                   | 51.36                     | 8.897              |          |
| 7,300.0                                                          | 7,271.3               | 7,295.1               | 7,274.6               | 26.6             | 25.7          | -120.84               | 374.3                               | -232.9       | 462.5                  | 410.4                   | 52.07                     | 8.881              |          |
| 7,400.0                                                          | 7,370.8               | 7,393.9               | 7,373.3               | 27.0             | 26.0          | -122.02               | 373.4                               | -231.8       | 466.6                  | 413.8                   | 52.77                     | 8.842              |          |
| 7,500.0                                                          | 7,470.6               | 7,497.0               | 7,476.4               | 27.4             | 26.4          | -122.96               | 372.3                               | -230.5       | 469.1                  | 415.7                   | 53.47                     | 8.774              |          |
| 7,600.0                                                          | 7,570.5               | 7,596.2               | 7,575.6               | 27.7             | 26.7          | -123.61               | 370.9                               | -229.0       | 470.2                  | 416.0                   | 54.15                     | 8.683              |          |
| 7,700.0                                                          | 7,670.4               | 7,697.0               | 7,676.3               | 28.1             | 27.0          | -123.95               | 369.8                               | -227.2       | 469.6                  | 414.8                   | 54.83                     | 8.564              |          |
| 7,726.0                                                          | 7,696.4               | 7,722.3               | 7,701.6               | 28.2             | 27.1          | -91.73                | 369.6                               | -226.8       | 469.2                  | 414.2                   | 55.01                     | 8.530              |          |
| 7,800.0                                                          | 7,770.4               | 7,795.8               | 7,775.1               | 28.4             | 27.4          | -91.78                | 369.2                               | -225.8       | 468.2                  | 412.7                   | 55.51                     | 8.434              |          |
| 7,900.0                                                          | 7,870.4               | 7,896.3               | 7,875.6               | 28.8             | 27.7          | -91.86                | 368.6                               | -224.1       | 466.6                  | 410.4                   | 56.19                     | 8.303              |          |
| 8,000.0                                                          | 7,970.4               | 7,993.3               | 7,972.6               | 29.1             | 28.0          | -91.99                | 367.6                               | -223.0       | 465.4                  | 408.5                   | 56.86                     | 8.184              |          |
| 8,100.0                                                          | 8,070.4               | 8,093.5               | 8,072.8               | 29.5             | 28.4          | -92.18                | 366.1                               | -222.1       | 464.6                  | 407.0                   | 57.54                     | 8.073              |          |
| 8,200.0                                                          | 8,170.4               | 8,191.7               | 8,171.0               | 29.8             | 28.7          | -92.39                | 364.4                               | -221.1       | 463.6                  | 405.4                   | 58.22                     | 7.963              |          |
| 8,243.4                                                          | 8,213.8               | 8,232.5               | 8,211.8               | 30.0             | 28.8          | -92.49                | 363.6                               | -220.9       | 463.5                  | 405.0                   | 58.50                     | 7.923              |          |
| 8,278.6                                                          | 8,249.0               | 8,266.1               | 8,245.4               | 30.1             | 28.9          | -92.57                | 363.0                               | -221.0       | 463.6                  | 404.8                   | 58.73                     | 7.893              |          |
| 8,300.0                                                          | 8,270.4               | 8,286.7               | 8,266.0               | 30.2             | 29.0          | 96.49                 | 362.5                               | -221.0       | 463.7                  | 404.8                   | 58.87                     | 7.877              |          |
| 8,350.0                                                          | 8,320.3               | 8,334.6               | 8,313.8               | 30.3             | 29.2          | 96.75                 | 361.4                               | -221.3       | 464.5                  | 405.4                   | 59.18                     | 7.850              |          |
| 8,400.0                                                          | 8,369.5               | 8,383.1               | 8,362.4               | 30.4             | 29.3          | 97.48                 | 360.5                               | -221.8       | 466.1                  | 406.6                   | 59.48                     | 7.836 SF           |          |
| 8,450.0                                                          | 8,417.9               | 8,430.7               | 8,409.9               | 30.6             | 29.5          | 98.64                 | 360.0                               | -222.4       | 468.6                  | 408.8                   | 59.78                     | 7.838              |          |
| 8,500.0                                                          | 8,465.0               | 8,478.6               | 8,457.9               | 30.7             | 29.6          | 100.21                | 359.9                               | -222.9       | 472.1                  | 412.0                   | 60.07                     | 7.859              |          |
| 8,550.0                                                          | 8,510.4               | 8,524.8               | 8,504.1               | 30.8             | 29.8          | 102.01                | 359.9                               | -223.4       | 477.1                  | 416.7                   | 60.34                     | 7.905              |          |
| 8,600.0                                                          | 8,553.8               | 8,562.6               | 8,541.8               | 30.9             | 29.9          | 103.52                | 360.1                               | -223.9       | 484.1                  | 423.6                   | 60.57                     | 7.994              |          |
| 8,650.0                                                          | 8,595.0               | 8,597.7               | 8,576.9               | 30.9             | 30.1          | 104.88                | 360.6                               | -224.8       | 494.1                  | 433.3                   | 60.76                     | 8.132              |          |
| 8,700.0                                                          | 8,633.5               | 8,631.7               | 8,610.8               | 31.0             | 30.2          | 106.09                | 361.3                               | -225.9       | 507.2                  | 446.3                   | 60.94                     | 8.324              |          |
| 8,750.0                                                          | 8,669.0               | 8,666.7               | 8,645.8               | 31.1             | 30.3          | 107.24                | 362.0                               | -227.2       | 523.5                  | 462.4                   | 61.12                     | 8.565              |          |
| 8,800.0                                                          | 8,701.4               | 8,698.7               | 8,677.8               | 31.1             | 30.4          | 107.93                | 362.5                               | -228.4       | 543.0                  | 481.8                   | 61.28                     | 8.861              |          |
| 8,850.0                                                          | 8,730.3               | 8,726.6               | 8,705.7               | 31.1             | 30.5          | 108.00                | 362.8                               | -229.5       | 565.9                  | 504.5                   | 61.42                     | 9.214              |          |
| 8,900.0                                                          | 8,755.6               | 8,749.8               | 8,728.9               | 31.2             | 30.6          | 107.28                | 363.1                               | -230.4       | 592.1                  | 530.6                   | 61.52                     | 9.625              |          |
| 8,950.0                                                          | 8,777.0               | 8,769.3               | 8,748.3               | 31.2             | 30.7          | 105.75                | 363.4                               | -231.2       | 621.4                  | 559.8                   | 61.59                     | 10.090             |          |
| 9,000.0                                                          | 8,794.4               | 8,784.8               | 8,763.9               | 31.3             | 30.7          | 103.31                | 363.6                               | -231.8       | 653.7                  | 592.0                   | 61.64                     | 10.604             |          |
| 9,050.0                                                          | 8,807.6               | 8,796.3               | 8,775.4               | 31.4             | 30.8          | 99.85                 | 363.8                               | -232.3       | 688.5                  | 626.8                   | 61.67                     | 11.163             |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|-------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 243-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  |          |
| 9,100.0                 | 8,816.6               | 8,803.8               | 8,782.9               | 31.5             | 30.8          | 95.30                 | 363.9                               | -232.7       | 725.4                  | 663.7                   | 61.69                     | 11.760             |          |
| 9,150.0                 | 8,821.2               | 8,807.2               | 8,786.2               | 31.7             | 30.8          | 89.63                 | 363.9                               | -232.8       | 764.0                  | 702.3                   | 61.68                     | 12.387             |          |
| 9,178.6                 | 8,822.0               | 8,807.3               | 8,786.3               | 31.8             | 30.8          | 85.93                 | 363.9                               | -232.8       | 786.7                  | 725.0                   | 61.67                     | 12.757             |          |
| 9,200.0                 | 8,822.0               | 8,806.9               | 8,785.9               | 31.8             | 30.8          | 85.92                 | 363.9                               | -232.8       | 803.8                  | 742.2                   | 61.66                     | 13.037             |          |
| 9,300.0                 | 8,822.0               | 8,805.0               | 8,784.0               | 32.2             | 30.8          | 85.89                 | 363.9                               | -232.7       | 885.3                  | 823.7                   | 61.62                     | 14.367             |          |
| 9,400.0                 | 8,822.0               | 8,803.2               | 8,782.2               | 32.6             | 30.8          | 85.91                 | 363.9                               | -232.7       | 968.4                  | 906.8                   | 61.59                     | 15.723             |          |
| 9,500.0                 | 8,822.0               | 8,801.6               | 8,780.6               | 33.1             | 30.8          | 85.97                 | 363.8                               | -232.6       | 1,052.7                | 991.1                   | 61.57                     | 17.097             |          |
| 9,600.0                 | 8,822.0               | 8,800.2               | 8,779.2               | 33.7             | 30.8          | 86.05                 | 363.8                               | -232.5       | 1,137.8                | 1,076.2                 | 61.56                     | 18.483             |          |
| 9,614.7                 | 8,822.0               | 8,800.0               | 8,779.0               | 33.8             | 30.8          | 86.06                 | 363.8                               | -232.5       | 1,150.4                | 1,088.8                 | 61.55                     | 18.689             |          |
| 9,700.0                 | 8,822.0               | 8,798.8               | 8,777.8               | 34.3             | 30.8          | 85.95                 | 363.8                               | -232.5       | 1,224.1                | 1,162.5                 | 61.55                     | 19.888             |          |
| 9,800.0                 | 8,822.0               | 8,797.5               | 8,776.5               | 35.0             | 30.8          | 85.82                 | 363.8                               | -232.4       | 1,312.3                | 1,250.8                 | 61.55                     | 21.321             |          |
| 9,900.0                 | 8,822.0               | 8,796.1               | 8,775.2               | 35.7             | 30.8          | 85.69                 | 363.8                               | -232.3       | 1,402.2                | 1,340.6                 | 61.56                     | 22.779             |          |
| 10,000.0                | 8,822.0               | 8,794.8               | 8,773.8               | 36.5             | 30.8          | 85.56                 | 363.7                               | -232.3       | 1,493.3                | 1,431.7                 | 61.56                     | 24.256             |          |
| 10,100.0                | 8,822.0               | 8,793.5               | 8,772.5               | 37.4             | 30.8          | 85.44                 | 363.7                               | -232.2       | 1,585.4                | 1,523.9                 | 61.57                     | 25.750             |          |
| 10,200.0                | 8,822.0               | 8,792.1               | 8,771.2               | 38.3             | 30.7          | 85.31                 | 363.7                               | -232.2       | 1,678.5                | 1,616.9                 | 61.58                     | 27.256             |          |
| 10,300.0                | 8,822.0               | 8,790.8               | 8,769.9               | 39.2             | 30.7          | 85.18                 | 363.7                               | -232.1       | 1,772.4                | 1,710.8                 | 61.60                     | 28.774             |          |
| 10,400.0                | 8,822.0               | 8,789.5               | 8,768.6               | 40.2             | 30.7          | 85.06                 | 363.7                               | -232.0       | 1,866.8                | 1,805.2                 | 61.61                     | 30.301             |          |
| 10,500.0                | 8,822.0               | 8,788.2               | 8,767.3               | 41.2             | 30.7          | 84.93                 | 363.6                               | -232.0       | 1,961.8                | 1,900.2                 | 61.63                     | 31.835             |          |
| 10,600.0                | 8,822.0               | 8,786.9               | 8,766.0               | 42.3             | 30.7          | 84.81                 | 363.6                               | -231.9       | 2,057.3                | 1,995.7                 | 61.64                     | 33.376             |          |
| 10,700.0                | 8,822.0               | 8,785.6               | 8,764.7               | 43.4             | 30.7          | 84.69                 | 363.6                               | -231.9       | 2,153.2                | 2,091.6                 | 61.66                     | 34.921             |          |
| 10,800.0                | 8,822.0               | 8,784.4               | 8,763.4               | 44.6             | 30.7          | 84.56                 | 363.6                               | -231.8       | 2,249.5                | 2,187.8                 | 61.68                     | 36.472             |          |
| 10,900.0                | 8,822.0               | 8,783.1               | 8,762.1               | 45.8             | 30.7          | 84.44                 | 363.6                               | -231.8       | 2,346.0                | 2,284.3                 | 61.70                     | 38.025             |          |
| 11,000.0                | 8,822.0               | 8,781.8               | 8,760.9               | 47.0             | 30.7          | 84.32                 | 363.6                               | -231.7       | 2,442.9                | 2,381.2                 | 61.72                     | 39.582             |          |
| 11,100.0                | 8,822.0               | 8,780.6               | 8,759.6               | 48.2             | 30.7          | 84.20                 | 363.5                               | -231.7       | 2,540.0                | 2,478.2                 | 61.74                     | 41.141             |          |
| 11,200.0                | 8,822.0               | 8,779.3               | 8,758.4               | 49.4             | 30.7          | 84.08                 | 363.5                               | -231.6       | 2,637.3                | 2,575.5                 | 61.76                     | 42.702             |          |
| 11,300.0                | 8,822.0               | 8,778.0               | 8,757.1               | 50.7             | 30.7          | 83.96                 | 363.5                               | -231.5       | 2,734.8                | 2,673.0                 | 61.78                     | 44.264             |          |
| 11,400.0                | 8,822.0               | 8,776.8               | 8,755.9               | 52.0             | 30.7          | 83.84                 | 363.5                               | -231.5       | 2,832.4                | 2,770.6                 | 61.81                     | 45.828             |          |
| 11,500.0                | 8,822.0               | 8,775.6               | 8,754.6               | 53.3             | 30.7          | 83.72                 | 363.5                               | -231.4       | 2,930.3                | 2,868.4                 | 61.83                     | 47.392             |          |
| 11,600.0                | 8,822.0               | 8,774.3               | 8,753.4               | 54.7             | 30.7          | 83.60                 | 363.5                               | -231.4       | 3,028.2                | 2,966.4                 | 61.86                     | 48.956             |          |
| 11,700.0                | 8,822.0               | 8,773.1               | 8,752.2               | 56.0             | 30.7          | 83.49                 | 363.4                               | -231.3       | 3,126.3                | 3,064.5                 | 61.88                     | 50.521             |          |
| 11,800.0                | 8,822.0               | 8,771.9               | 8,750.9               | 57.4             | 30.7          | 83.37                 | 363.4                               | -231.3       | 3,224.5                | 3,162.6                 | 61.91                     | 52.085             |          |
| 11,900.0                | 8,822.0               | 8,770.7               | 8,749.7               | 58.8             | 30.7          | 83.25                 | 363.4                               | -231.2       | 3,322.9                | 3,260.9                 | 61.94                     | 53.649             |          |
| 12,000.0                | 8,822.0               | 8,769.4               | 8,748.5               | 60.1             | 30.7          | 83.14                 | 363.4                               | -231.2       | 3,421.3                | 3,359.3                 | 61.97                     | 55.213             |          |
| 12,100.0                | 8,822.0               | 15,332.2              | 12,258.5              | 61.6             | 68.1          | 170.11                | -3,074.2                            | -215.8       | 3,490.5                | 3,426.0                 | 64.46                     | 54.153             |          |
| 12,200.0                | 8,822.0               | 15,404.0              | 12,259.5              | 63.0             | 69.1          | 170.13                | -3,146.0                            | -214.3       | 3,491.7                | 3,426.0                 | 65.63                     | 53.202             |          |
| 12,300.0                | 8,822.0               | 15,479.2              | 12,261.1              | 64.4             | 70.1          | 170.15                | -3,221.2                            | -212.7       | 3,493.6                | 3,426.7                 | 66.84                     | 52.268             |          |
| 12,400.0                | 8,822.0               | 15,705.5              | 12,261.5              | 65.8             | 73.1          | 170.15                | -3,447.4                            | -211.3       | 3,493.2                | 3,423.8                 | 69.39                     | 50.341             |          |
| 12,500.0                | 8,822.0               | 15,777.5              | 12,260.9              | 67.3             | 74.0          | 170.14                | -3,519.5                            | -211.5       | 3,492.5                | 3,421.9                 | 70.61                     | 49.463             |          |
| 12,600.0                | 8,822.0               | 15,866.1              | 12,260.6              | 68.7             | 75.2          | 170.13                | -3,608.0                            | -211.4       | 3,492.3                | 3,420.3                 | 71.98                     | 48.519             |          |
| 12,700.0                | 8,822.0               | 15,991.9              | 12,259.9              | 70.2             | 76.9          | 170.10                | -3,733.9                            | -212.3       | 3,492.0                | 3,418.3                 | 73.70                     | 47.378             |          |
| 12,800.0                | 8,822.0               | 16,171.8              | 12,255.1              | 71.7             | 79.4          | 170.01                | -3,913.7                            | -216.3       | 3,489.7                | 3,413.8                 | 75.98                     | 45.931             |          |
| 12,900.0                | 8,822.0               | 16,281.2              | 12,250.8              | 73.2             | 80.9          | 169.94                | -4,022.9                            | -219.0       | 3,486.4                | 3,408.8                 | 77.60                     | 44.927             |          |
| 13,000.0                | 8,822.0               | 16,355.0              | 12,248.2              | 74.7             | 82.0          | 169.90                | -4,096.7                            | -220.7       | 3,483.4                | 3,404.5                 | 78.89                     | 44.156             |          |
| 13,100.0                | 8,822.0               | 16,465.4              | 12,244.5              | 76.2             | 83.5          | 169.84                | -4,207.0                            | -222.9       | 3,480.6                | 3,400.0                 | 80.53                     | 43.221             |          |
| 13,200.0                | 8,822.0               | 16,545.0              | 12,242.0              | 77.7             | 84.6          | 169.79                | -4,286.5                            | -224.8       | 3,478.0                | 3,396.1                 | 81.89                     | 42.474             |          |
| 13,300.0                | 8,822.0               | 16,640.5              | 12,239.3              | 79.2             | 86.0          | 169.73                | -4,381.9                            | -227.6       | 3,475.8                | 3,392.4                 | 83.41                     | 41.673             |          |
| 13,400.0                | 8,822.0               | 16,720.2              | 12,237.2              | 80.7             | 87.1          | 169.68                | -4,461.5                            | -230.0       | 3,473.9                | 3,389.1                 | 84.78                     | 40.975             |          |
| 13,500.0                | 8,822.0               | 16,822.9              | 12,234.8              | 82.2             | 88.6          | 169.60                | -4,564.2                            | -233.6       | 3,472.3                | 3,385.9                 | 86.39                     | 40.192             |          |
| 13,600.0                | 8,822.0               | 16,947.1              | 12,230.8              | 83.7             | 90.4          | 169.48                | -4,688.2                            | -239.4       | 3,470.0                | 3,381.8                 | 88.25                     | 39.320             |          |
| 13,700.0                | 8,822.0               | 17,035.6              | 12,227.8              | 85.2             | 91.7          | 169.39                | -4,776.5                            | -244.0       | 3,467.8                | 3,378.1                 | 89.76                     | 38.635             |          |
| 13,800.0                | 8,822.0               | 17,436.5              | 12,196.6              | 86.8             | 97.5          | 169.08                | -5,175.8                            | -254.6       | 3,458.8                | 3,364.5                 | 94.27                     | 36.688             |          |
| 13,900.0                | 8,822.0               | 17,577.2              | 12,180.1              | 88.3             | 99.6          | 169.06                | -5,315.5                            | -251.9       | 3,446.8                | 3,350.6                 | 96.18                     | 35.838             |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design Boros - Boros Federal #224H - Wellbore #1 - Actual |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Offset Site Error: | 0.0 usft |
|------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|--------------------|----------|
| Survey Program: 243-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  |          |
| 14,000.0                                                         | 8,822.0               | 17,645.9              | 12,172.3              | 89.9             | 100.7         | 169.06                | -5,383.8                            | -250.0       | 3,435.3                | 3,337.8                 | 97.46                     | 35.249             |          |
| 14,100.0                                                         | 8,822.0               | 17,713.0              | 12,165.5              | 91.4             | 101.7         | 169.07                | -5,450.5                            | -247.9       | 3,424.8                | 3,326.1                 | 98.72                     | 34.694             |          |
| 14,200.0                                                         | 8,822.0               | 17,713.0              | 12,165.5              | 92.9             | 101.7         | 169.07                | -5,450.5                            | -247.9       | 3,416.2                | 3,316.8                 | 99.40                     | 34.369             |          |
| 14,300.0                                                         | 8,822.0               | 17,762.5              | 12,161.9              | 94.5             | 102.4         | 169.08                | -5,499.8                            | -246.1       | 3,409.1                | 3,308.6                 | 100.49                    | 33.925             |          |
| 14,400.0                                                         | 8,822.0               | 17,808.0              | 12,160.4              | 96.0             | 103.1         | 169.09                | -5,545.3                            | -244.6       | 3,404.7                | 3,303.2                 | 101.54                    | 33.532             |          |
| 14,500.0                                                         | 8,822.0               | 17,826.3              | 12,160.1              | 97.6             | 103.4         | 169.10                | -5,563.5                            | -244.0       | 3,402.0                | 3,299.7                 | 102.32                    | 33.248             |          |
| 14,600.0                                                         | 8,822.0               | 17,903.0              | 12,159.4              | 99.2             | 104.5         | 169.12                | -5,640.2                            | -242.3       | 3,400.8                | 3,297.1                 | 103.65                    | 32.809             |          |
| 14,700.0                                                         | 8,822.0               | 17,970.5              | 12,159.3              | 100.7            | 105.5         | 169.13                | -5,707.7                            | -241.1       | 3,400.3                | 3,295.4                 | 104.90                    | 32.416             |          |
| 14,709.3                                                         | 8,822.0               | 17,977.5              | 12,159.3              | 100.9            | 105.6         | 169.13                | -5,714.7                            | -241.0       | 3,400.3                | 3,295.3                 | 105.02                    | 32.379             |          |
| 14,800.0                                                         | 8,822.0               | 18,039.7              | 12,159.7              | 102.3            | 106.6         | 169.15                | -5,776.9                            | -239.7       | 3,400.7                | 3,294.5                 | 106.15                    | 32.037             |          |
| 14,900.0                                                         | 8,822.0               | 18,116.5              | 12,160.9              | 103.9            | 107.7         | 169.16                | -5,853.7                            | -238.5       | 3,402.0                | 3,294.5                 | 107.48                    | 31.654             |          |
| 15,000.0                                                         | 8,822.0               | 18,189.0              | 12,162.0              | 105.4            | 108.8         | 169.18                | -5,926.2                            | -237.5       | 3,403.4                | 3,294.7                 | 108.76                    | 31.293             |          |
| 15,100.0                                                         | 8,822.0               | 18,251.5              | 12,163.5              | 107.0            | 109.8         | 169.19                | -5,988.6                            | -236.4       | 3,405.9                | 3,296.0                 | 109.93                    | 30.982             |          |
| 15,200.0                                                         | 8,822.0               | 18,250.0              | 12,169.5              | 108.6            | 63.2          | 169.28                | -6,265.8                            | -230.6       | 3,409.6                | 3,322.2                 | 87.41                     | 39.007             |          |
| 15,300.0                                                         | 8,822.0               | 18,569.0              | 12,168.9              | 110.2            | 114.6         | 169.28                | -6,305.9                            | -230.1       | 3,408.3                | 3,294.1                 | 114.23                    | 29.838             |          |
| 15,336.5                                                         | 8,822.0               | 18,604.5              | 12,168.4              | 110.7            | 115.2         | 169.29                | -6,341.4                            | -229.1       | 3,407.7                | 3,292.9                 | 114.78                    | 29.688             |          |
| 15,400.0                                                         | 8,822.0               | 18,619.2              | 12,168.6              | 111.7            | 115.4         | 169.30                | -6,356.1                            | -228.4       | 3,408.2                | 3,292.9                 | 115.28                    | 29.564             |          |
| 15,500.0                                                         | 8,822.0               | 18,665.0              | 12,170.9              | 113.3            | 116.1         | 169.36                | -6,401.7                            | -225.3       | 3,411.1                | 3,294.8                 | 116.24                    | 29.344             |          |
| 15,600.0                                                         | 8,822.0               | 18,665.0              | 12,170.9              | 114.9            | 116.1         | 169.36                | -6,401.7                            | -225.3       | 3,415.6                | 3,298.9                 | 116.74                    | 29.258             |          |
| 15,700.0                                                         | 8,822.0               | 18,733.1              | 12,176.2              | 116.5            | 117.2         | 169.46                | -6,469.4                            | -219.8       | 3,422.0                | 3,304.1                 | 117.86                    | 29.036             |          |
| 15,800.0                                                         | 8,822.0               | 18,908.6              | 12,189.4              | 118.1            | 119.9         | 169.70                | -6,643.8                            | -206.2       | 3,428.3                | 3,308.3                 | 120.01                    | 28.566             |          |
| 15,900.0                                                         | 8,822.0               | 19,042.8              | 12,196.7              | 119.7            | 122.0         | 169.89                | -6,777.4                            | -195.3       | 3,432.4                | 3,310.6                 | 121.77                    | 28.188             |          |
| 16,000.0                                                         | 8,822.0               | 19,263.6              | 12,204.1              | 121.3            | 125.4         | 170.22                | -6,997.1                            | -175.0       | 3,433.9                | 3,309.7                 | 124.25                    | 27.638             |          |
| 16,100.0                                                         | 8,822.0               | 19,438.9              | 12,204.7              | 122.8            | 128.2         | 170.44                | -7,171.9                            | -161.1       | 3,433.0                | 3,306.7                 | 126.34                    | 27.173             |          |
| 16,200.0                                                         | 8,822.0               | 19,524.6              | 12,204.0              | 124.4            | 129.5         | 170.51                | -7,257.3                            | -156.1       | 3,431.3                | 3,303.6                 | 127.71                    | 26.869             |          |
| 16,300.0                                                         | 8,822.0               | 19,748.2              | 12,196.8              | 126.0            | 133.0         | 170.58                | -7,480.8                            | -149.2       | 3,427.5                | 3,297.2                 | 130.37                    | 26.291             |          |
| 16,400.0                                                         | 8,822.0               | 19,832.6              | 12,192.2              | 127.6            | 134.3         | 170.56                | -7,565.0                            | -149.2       | 3,422.3                | 3,290.5                 | 131.84                    | 25.959             |          |
| 16,500.0                                                         | 8,822.0               | 19,879.3              | 12,190.2              | 129.2            | 135.1         | 170.54                | -7,611.7                            | -149.9       | 3,418.4                | 3,285.5                 | 132.96                    | 25.710             |          |
| 16,600.0                                                         | 8,822.0               | 19,933.9              | 12,188.7              | 130.8            | 135.9         | 170.51                | -7,666.2                            | -151.1       | 3,416.0                | 3,281.9                 | 134.15                    | 25.465             |          |
| 16,700.0                                                         | 8,822.0               | 16,700.0              | 12,186.1              | 132.4            | 86.8          | 170.42                | -7,776.5                            | -155.1       | 3,414.5                | 3,304.6                 | 109.83                    | 31.088             |          |
| 16,800.0                                                         | 8,822.0               | 20,156.2              | 12,182.2              | 134.0            | 139.4         | 170.32                | -7,888.2                            | -160.1       | 3,411.8                | 3,274.0                 | 137.78                    | 24.764             |          |
| 16,900.0                                                         | 8,822.0               | 20,214.1              | 12,180.5              | 135.6            | 140.3         | 170.26                | -7,946.0                            | -162.9       | 3,410.0                | 3,270.9                 | 139.03                    | 24.526             |          |
| 17,000.0                                                         | 8,822.0               | 20,283.0              | 12,179.8              | 137.2            | 141.3         | 170.21                | -8,014.9                            | -165.6       | 3,409.5                | 3,269.1                 | 140.38                    | 24.287             |          |
| 17,009.9                                                         | 8,822.0               | 20,283.0              | 12,179.8              | 137.4            | 141.3         | 170.21                | -8,014.9                            | -165.6       | 3,409.5                | 3,269.1                 | 140.44                    | 24.277             |          |
| 17,100.0                                                         | 8,822.0               | 20,355.8              | 12,179.8              | 138.8            | 142.5         | 170.16                | -8,087.6                            | -167.7       | 3,409.9                | 3,268.2                 | 141.76                    | 24.054             |          |
| 17,200.0                                                         | 8,822.0               | 17,200.0              | 12,177.2              | 140.4            | 97.8          | 170.02                | -8,271.5                            | -174.8       | 3,409.4                | 3,291.2                 | 118.22                    | 28.841             |          |
| 17,300.0                                                         | 8,822.0               | 20,664.9              | 12,172.3              | 142.0            | 147.3         | 169.89                | -8,396.4                            | -180.9       | 3,406.4                | 3,260.0                 | 146.41                    | 23.266             |          |
| 17,400.0                                                         | 8,822.0               | 20,753.9              | 12,169.6              | 143.7            | 148.7         | 169.84                | -8,485.3                            | -182.8       | 3,403.9                | 3,255.9                 | 147.98                    | 23.003             |          |
| 17,500.0                                                         | 8,822.0               | 20,833.6              | 12,168.0              | 145.3            | 149.9         | 169.84                | -8,565.0                            | -182.0       | 3,401.9                | 3,252.5                 | 149.39                    | 22.772             |          |
| 17,600.0                                                         | 8,822.0               | 21,025.9              | 12,161.4              | 146.9            | 153.0         | 169.82                | -8,757.1                            | -180.9       | 3,398.2                | 3,246.3                 | 151.89                    | 22.373             |          |
| 17,700.0                                                         | 8,822.0               | 21,088.7              | 12,158.6              | 148.5            | 154.0         | 169.80                | -8,819.9                            | -181.4       | 3,394.2                | 3,241.0                 | 153.20                    | 22.156             |          |
| 17,800.0                                                         | 8,822.0               | 21,139.0              | 12,157.2              | 150.1            | 154.8         | 169.79                | -8,870.1                            | -181.2       | 3,391.5                | 3,237.1                 | 154.34                    | 21.974             |          |
| 17,865.0                                                         | 8,822.0               | 21,139.0              | 12,157.2              | 151.1            | 154.8         | 169.79                | -8,870.1                            | -181.2       | 3,390.9                | 3,236.1                 | 154.74                    | 21.914             |          |
| 17,900.0                                                         | 8,822.0               | 21,139.0              | 12,157.2              | 151.7            | 154.8         | 169.79                | -8,870.1                            | -181.2       | 3,391.0                | 3,236.1                 | 154.93                    | 21.887             |          |
| 18,000.0                                                         | 8,822.0               | 21,192.6              | 12,157.6              | 153.3            | 155.6         | 169.82                | -8,923.7                            | -179.2       | 3,391.9                | 3,235.9                 | 156.00                    | 21.744             |          |
| 18,100.0                                                         | 8,822.0               | 21,234.0              | 12,159.9              | 154.9            | 156.3         | 169.88                | -8,964.8                            | -175.6       | 3,395.6                | 3,238.7                 | 156.84                    | 21.649             |          |
| 18,200.0                                                         | 8,822.0               | 21,290.4              | 12,164.2              | 156.5            | 157.2         | 169.99                | -9,020.7                            | -169.4       | 3,400.8                | 3,243.1                 | 157.77                    | 21.555             |          |
| 18,300.0                                                         | 8,822.0               | 21,579.2              | 12,177.8              | 158.2            | 161.8         | 170.50                | -9,307.7                            | -139.5       | 3,404.5                | 3,243.7                 | 160.79                    | 21.174             |          |
| 18,400.0                                                         | 8,822.0               | 22,284.0              | 12,119.0              | 159.8            | 173.1         | 171.19                | -10,006.5                           | -84.3        | 3,392.2                | 3,226.4                 | 165.72                    | 20.470             |          |
| 18,500.0                                                         | 8,822.0               | 22,284.0              | 12,119.0              | 161.4            | 173.1         | 171.19                | -10,006.5                           | -84.3        | 3,375.9                | 3,209.0                 | 166.86                    | 20.232             |          |
| 18,600.0                                                         | 8,822.0               | 22,284.0              | 12,119.0              | 163.0            | 173.1         | 171.19                | -10,006.5                           | -84.3        | 3,362.4                | 3,194.5                 | 167.90                    | 20.027             |          |
| 18,700.0                                                         | 8,822.0               | 22,284.0              | 12,119.0              | 164.6            | 173.1         | 171.19                | -10,006.5                           | -84.3        | 3,352.0                | 3,183.1                 | 168.84                    | 19.853             |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design           |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           |                   | Boros - Boros Federal #224H - Wellbore #1 - Actual |         | Offset Site Error: |  | 0.0 usft |
|-------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|-------------------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|----------------------------------------------------|---------|--------------------|--|----------|
| Survey Program: 243-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                | 8,822.0               | 22,284.0              | 12,119.0              | 166.2            | 173.1         | 171.19                | -10,006.5                           | -84.3        | 3,344.4                | 3,174.8                 | 169.67                    | 19.711            |                                                    |         |                    |  |          |
| 18,900.0                | 8,822.0               | 22,284.0              | 12,119.0              | 167.9            | 173.1         | 171.19                | -10,006.5                           | -84.3        | 3,339.9                | 3,169.5                 | 170.39                    | 19.601            |                                                    |         |                    |  |          |
| 19,000.0                | 8,822.0               | 22,284.0              | 12,119.0              | 169.5            | 173.1         | 171.19                | -10,006.5                           | -84.3        | 3,338.3                | 3,167.3                 | 171.00                    | 19.523            |                                                    |         |                    |  |          |
| 19,002.0                | 8,822.0               | 22,284.0              | 12,119.0              | 169.5            | 173.1         | 171.19                | -10,006.5                           | -84.3        | 3,338.3                | 3,167.3                 | 171.01                    | 19.522            |                                                    |         |                    |  |          |
| 19,100.0                | 8,822.0               | 22,284.0              | 12,119.0              | 171.1            | 173.1         | 171.19                | -10,006.5                           | -84.3        | 3,339.8                | 3,168.3                 | 171.48                    | 19.476            |                                                    |         |                    |  |          |
| 19,129.9                | 8,822.0               | 22,284.0              | 12,119.0              | 171.6            | 173.1         | 171.19                | -10,006.5                           | -84.3        | 3,340.8                | 3,169.2                 | 171.61                    | 19.468            |                                                    |         |                    |  |          |

# Anticollision Report

|                           |                            |                                     |                          |
|---------------------------|----------------------------|-------------------------------------|--------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design Boros - Boros Federal #228H - 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  |          |
| 0.0                                                                   | 0.0                   | 0.0                   | 0.0                   | 0.0              | 0.0           | 88.30                 | 1.8                                 | 59.9         | 59.9                   |                         |                           |                    |          |
| 100.0                                                                 | 100.0                 | 100.0                 | 100.0                 | 0.1              | 0.1           | 88.30                 | 1.8                                 | 59.9         | 59.9                   | 59.7                    | 0.26                      | 232.252            |          |
| 200.0                                                                 | 200.0                 | 200.0                 | 200.0                 | 0.5              | 0.5           | 88.30                 | 1.8                                 | 59.9         | 59.9                   | 59.0                    | 0.98                      | 61.479             |          |
| 300.0                                                                 | 300.0                 | 300.0                 | 300.0                 | 0.8              | 0.8           | 88.30                 | 1.8                                 | 59.9         | 59.9                   | 58.3                    | 1.69                      | 35.428             |          |
| 400.0                                                                 | 400.0                 | 400.0                 | 400.0                 | 1.2              | 1.2           | 88.30                 | 1.8                                 | 59.9         | 59.9                   | 57.5                    | 2.41                      | 24.884             |          |
| 500.0                                                                 | 500.0                 | 500.0                 | 500.0                 | 1.6              | 1.6           | 88.30                 | 1.8                                 | 59.9         | 59.9                   | 56.8                    | 3.13                      | 19.177             |          |
| 600.0                                                                 | 600.0                 | 600.0                 | 600.0                 | 1.9              | 1.9           | 88.30                 | 1.8                                 | 59.9         | 59.9                   | 56.1                    | 3.84                      | 15.599             |          |
| 700.0                                                                 | 700.0                 | 700.0                 | 700.0                 | 2.3              | 2.3           | 88.30                 | 1.8                                 | 59.9         | 59.9                   | 55.4                    | 4.56                      | 13.146             |          |
| 800.0                                                                 | 800.0                 | 800.0                 | 800.0                 | 2.6              | 2.6           | 88.30                 | 1.8                                 | 59.9         | 59.9                   | 54.7                    | 5.28                      | 11.360             |          |
| 900.0                                                                 | 900.0                 | 900.0                 | 900.0                 | 3.0              | 3.0           | 88.30                 | 1.8                                 | 59.9         | 59.9                   | 54.0                    | 5.99                      | 10.001             |          |
| 1,000.0                                                               | 1,000.0               | 1,000.0               | 1,000.0               | 3.4              | 3.4           | 88.30                 | 1.8                                 | 59.9         | 59.9                   | 53.2                    | 6.71                      | 8.933              |          |
| 1,100.0                                                               | 1,100.0               | 1,100.0               | 1,100.0               | 3.7              | 3.7           | 88.30                 | 1.8                                 | 59.9         | 59.9                   | 52.5                    | 7.43                      | 8.071              |          |
| 1,200.0                                                               | 1,200.0               | 1,200.0               | 1,200.0               | 4.1              | 4.1           | 88.30                 | 1.8                                 | 59.9         | 59.9                   | 51.8                    | 8.14                      | 7.360              |          |
| 1,300.0                                                               | 1,300.0               | 1,300.0               | 1,300.0               | 4.4              | 4.4           | 88.30                 | 1.8                                 | 59.9         | 59.9                   | 51.1                    | 8.86                      | 6.765              |          |
| 1,400.0                                                               | 1,400.0               | 1,400.0               | 1,400.0               | 4.8              | 4.8           | 88.30                 | 1.8                                 | 59.9         | 59.9                   | 50.4                    | 9.58                      | 6.258              |          |
| 1,500.0                                                               | 1,500.0               | 1,500.0               | 1,500.0               | 5.1              | 5.1           | 88.30                 | 1.8                                 | 59.9         | 59.9                   | 49.6                    | 10.30                     | 5.822 CC           |          |
| 1,600.0                                                               | 1,600.0               | 1,599.3               | 1,599.3               | 5.5              | 5.5           | 87.71                 | 2.4                                 | 60.5         | 60.5                   | 49.5                    | 11.01                     | 5.500 ES           |          |
| 1,700.0                                                               | 1,700.0               | 1,698.5               | 1,698.5               | 5.9              | 5.9           | 85.98                 | 4.4                                 | 62.2         | 62.4                   | 50.6                    | 11.71                     | 5.323              |          |
| 1,800.0                                                               | 1,800.0               | 1,797.6               | 1,797.5               | 6.2              | 6.2           | 83.33                 | 7.6                                 | 65.0         | 65.5                   | 53.1                    | 12.42                     | 5.273              |          |
| 1,900.0                                                               | 1,900.0               | 1,896.5               | 1,896.2               | 6.6              | 6.6           | 80.04                 | 12.1                                | 68.9         | 70.1                   | 57.0                    | 13.12                     | 5.342              |          |
| 2,000.0                                                               | 2,000.0               | 1,995.2               | 1,994.6               | 6.9              | 6.9           | 76.40                 | 17.9                                | 74.0         | 76.3                   | 62.5                    | 13.82                     | 5.522              |          |
| 2,100.0                                                               | 2,100.0               | 2,093.6               | 2,092.6               | 7.3              | 7.3           | 72.72                 | 24.9                                | 80.1         | 84.2                   | 69.7                    | 14.51                     | 5.805              |          |
| 2,200.0                                                               | 2,200.0               | 2,191.7               | 2,190.0               | 7.7              | 7.6           | 69.19                 | 33.2                                | 87.3         | 94.0                   | 78.8                    | 15.19                     | 6.184              |          |
| 2,300.0                                                               | 2,300.0               | 2,289.3               | 2,286.8               | 8.0              | 8.0           | 65.94                 | 42.7                                | 95.6         | 105.5                  | 89.7                    | 15.87                     | 6.649              |          |
| 2,400.0                                                               | 2,400.0               | 2,388.2               | 2,384.7               | 8.4              | 8.4           | 63.12                 | 53.0                                | 104.6        | 118.3                  | 101.7                   | 16.57                     | 7.138              |          |
| 2,500.0                                                               | 2,500.0               | 2,487.2               | 2,482.8               | 8.7              | 8.7           | 60.85                 | 63.4                                | 113.7        | 131.3                  | 114.0                   | 17.28                     | 7.599              |          |
| 2,600.0                                                               | 2,600.0               | 2,586.2               | 2,580.8               | 9.1              | 9.1           | 58.98                 | 73.8                                | 122.8        | 144.5                  | 126.5                   | 17.99                     | 8.032              |          |
| 2,700.0                                                               | 2,700.0               | 2,685.3               | 2,678.9               | 9.4              | 9.5           | 57.43                 | 84.2                                | 131.8        | 157.8                  | 139.1                   | 18.70                     | 8.438              |          |
| 2,800.0                                                               | 2,800.0               | 2,784.3               | 2,777.0               | 9.8              | 9.9           | 56.12                 | 94.6                                | 140.9        | 171.2                  | 151.8                   | 19.42                     | 8.819              |          |
| 2,900.0                                                               | 2,900.0               | 2,883.3               | 2,875.0               | 10.2             | 10.3          | 55.01                 | 105.0                               | 149.9        | 184.7                  | 164.6                   | 20.13                     | 9.177              |          |
| 3,000.0                                                               | 3,000.0               | 2,982.3               | 2,973.1               | 10.5             | 10.7          | 54.04                 | 115.4                               | 159.0        | 198.3                  | 177.4                   | 20.84                     | 9.512              |          |
| 3,100.0                                                               | 3,100.0               | 3,081.4               | 3,071.2               | 10.9             | 11.1          | 53.20                 | 125.7                               | 168.1        | 211.9                  | 190.3                   | 21.56                     | 9.827              |          |
| 3,200.0                                                               | 3,200.0               | 3,180.4               | 3,169.2               | 11.2             | 11.4          | 52.46                 | 136.1                               | 177.1        | 225.5                  | 203.2                   | 22.27                     | 10.124             |          |
| 3,300.0                                                               | 3,300.0               | 3,279.4               | 3,267.3               | 11.6             | 11.8          | 51.80                 | 146.5                               | 186.2        | 239.2                  | 216.2                   | 22.99                     | 10.403             |          |
| 3,400.0                                                               | 3,400.0               | 3,378.4               | 3,365.3               | 12.0             | 12.2          | 51.21                 | 156.9                               | 195.2        | 252.9                  | 229.1                   | 23.71                     | 10.666             |          |
| 3,500.0                                                               | 3,500.0               | 3,477.5               | 3,463.4               | 12.3             | 12.6          | 50.69                 | 167.3                               | 204.3        | 266.6                  | 242.1                   | 24.42                     | 10.914             |          |
| 3,600.0                                                               | 3,600.0               | 3,576.5               | 3,561.5               | 12.7             | 13.0          | 50.22                 | 177.7                               | 213.4        | 280.3                  | 255.2                   | 25.14                     | 11.149             |          |
| 3,700.0                                                               | 3,700.0               | 3,675.5               | 3,659.5               | 13.0             | 13.4          | 49.79                 | 188.1                               | 222.4        | 294.1                  | 268.2                   | 25.86                     | 11.372             |          |
| 3,800.0                                                               | 3,800.0               | 3,774.5               | 3,757.6               | 13.4             | 13.8          | 49.39                 | 198.4                               | 231.5        | 307.8                  | 281.2                   | 26.58                     | 11.583             |          |
| 3,900.0                                                               | 3,900.0               | 3,873.7               | 3,855.8               | 13.7             | 14.2          | 48.79                 | 208.8                               | 240.5        | 320.8                  | 293.5                   | 27.29                     | 11.753             |          |
| 4,000.0                                                               | 4,000.0               | 3,973.0               | 3,954.2               | 14.1             | 14.6          | 48.37                 | 219.3                               | 249.6        | 332.1                  | 304.1                   | 28.01                     | 11.855             |          |
| 4,100.0                                                               | 4,099.9               | 4,072.6               | 4,052.7               | 14.5             | 15.0          | 48.03                 | 229.7                               | 258.7        | 341.7                  | 313.0                   | 28.73                     | 11.894             |          |
| 4,200.0                                                               | 4,199.7               | 4,172.3               | 4,151.4               | 14.8             | 15.4          | 47.77                 | 240.1                               | 267.9        | 349.7                  | 320.2                   | 29.45                     | 11.874             |          |
| 4,300.0                                                               | 4,299.4               | 4,272.0               | 4,250.3               | 15.2             | 15.8          | 47.51                 | 250.6                               | 277.0        | 356.0                  | 325.8                   | 30.17                     | 11.798             |          |
| 4,400.0                                                               | 4,398.9               | 4,371.9               | 4,349.2               | 15.5             | 16.2          | 47.25                 | 261.1                               | 286.1        | 360.6                  | 329.7                   | 30.90                     | 11.672             |          |
| 4,500.0                                                               | 4,498.3               | 4,471.9               | 4,448.1               | 15.9             | 16.7          | 47.00                 | 271.6                               | 295.3        | 363.6                  | 332.0                   | 31.62                     | 11.499             |          |
| 4,600.0                                                               | 4,597.4               | 4,571.9               | 4,547.1               | 16.2             | 17.1          | 46.74                 | 282.1                               | 304.4        | 364.9                  | 332.5                   | 32.35                     | 11.281             |          |
| 4,700.0                                                               | 4,696.4               | 4,671.8               | 4,646.2               | 16.6             | 17.5          | 46.49                 | 292.5                               | 313.6        | 365.4                  | 332.3                   | 33.07                     | 11.048             |          |
| 4,800.0                                                               | 4,795.5               | 4,771.8               | 4,745.2               | 17.0             | 17.9          | 46.24                 | 303.0                               | 322.7        | 365.9                  | 332.1                   | 33.80                     | 10.825             |          |
| 4,900.0                                                               | 4,894.5               | 4,871.8               | 4,844.2               | 17.3             | 18.3          | 46.00                 | 313.5                               | 331.9        | 366.4                  | 331.8                   | 34.53                     | 10.611             |          |
| 5,000.0                                                               | 4,993.5               | 4,971.8               | 4,943.2               | 17.7             | 18.7          | 45.75                 | 324.0                               | 341.0        | 366.9                  | 331.6                   | 35.26                     | 10.406             |          |
| 5,100.0                                                               | 5,092.5               | 5,071.7               | 5,042.2               | 18.1             | 19.1          | 45.50                 | 334.5                               | 350.2        | 367.4                  | 331.4                   | 35.99                     | 10.209             |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design Boros - Boros Federal #228H - 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  |          |
| 5,200.0                                                               | 5,191.6               | 5,171.7               | 5,141.2               | 18.5             | 19.5          | 19.00                 | 345.0                               | 359.3        | 367.9                  | 331.2                   | 36.72                     | 10.020             |          |
| 5,300.0                                                               | 5,290.6               | 5,271.7               | 5,240.2               | 18.8             | 19.9          | 19.32                 | 355.5                               | 368.5        | 368.5                  | 331.0                   | 37.45                     | 9.838              |          |
| 5,400.0                                                               | 5,389.6               | 5,381.9               | 5,349.5               | 19.2             | 20.4          | 19.72                 | 365.9                               | 377.5        | 367.7                  | 329.4                   | 38.29                     | 9.603              |          |
| 5,500.0                                                               | 5,488.6               | 5,492.1               | 5,459.2               | 19.6             | 20.8          | 20.22                 | 373.9                               | 384.6        | 364.1                  | 325.0                   | 39.10                     | 9.312              |          |
| 5,600.0                                                               | 5,587.7               | 5,602.0               | 5,568.9               | 20.0             | 21.2          | 20.84                 | 379.6                               | 389.5        | 357.7                  | 317.8                   | 39.87                     | 8.972              |          |
| 5,700.0                                                               | 5,686.7               | 5,711.4               | 5,678.1               | 20.4             | 21.6          | 21.59                 | 382.8                               | 392.3        | 348.5                  | 307.9                   | 40.60                     | 8.584              |          |
| 5,800.0                                                               | 5,785.7               | 5,820.1               | 5,786.8               | 20.7             | 22.0          | 22.50                 | 383.7                               | 393.1        | 336.7                  | 295.4                   | 41.30                     | 8.152              |          |
| 5,900.0                                                               | 5,884.8               | 5,918.0               | 5,884.8               | 21.1             | 22.3          | 23.43                 | 383.7                               | 393.1        | 323.9                  | 281.8                   | 42.02                     | 7.707              |          |
| 6,000.0                                                               | 5,983.8               | 6,017.1               | 5,983.8               | 21.5             | 22.6          | 24.45                 | 383.7                               | 393.1        | 311.1                  | 268.4                   | 42.74                     | 7.279              |          |
| 6,100.0                                                               | 6,082.8               | 6,116.1               | 6,082.8               | 21.9             | 22.9          | 25.55                 | 383.7                               | 393.1        | 298.5                  | 255.0                   | 43.46                     | 6.867              |          |
| 6,200.0                                                               | 6,181.8               | 6,215.1               | 6,181.8               | 22.3             | 23.3          | 26.75                 | 383.7                               | 393.1        | 286.0                  | 241.8                   | 44.19                     | 6.471              |          |
| 6,300.0                                                               | 6,280.9               | 6,314.1               | 6,280.9               | 22.7             | 23.6          | 28.06                 | 383.7                               | 393.1        | 273.6                  | 228.7                   | 44.92                     | 6.090              |          |
| 6,400.0                                                               | 6,379.9               | 6,413.2               | 6,379.9               | 23.1             | 23.9          | 29.49                 | 383.7                               | 393.1        | 261.3                  | 215.7                   | 45.65                     | 5.725              |          |
| 6,500.0                                                               | 6,478.9               | 6,512.2               | 6,478.9               | 23.5             | 24.3          | 31.06                 | 383.7                               | 393.1        | 249.3                  | 202.9                   | 46.39                     | 5.374              |          |
| 6,600.0                                                               | 6,577.9               | 6,611.2               | 6,577.9               | 23.9             | 24.6          | 32.79                 | 383.7                               | 393.1        | 237.5                  | 190.3                   | 47.14                     | 5.037              |          |
| 6,700.0                                                               | 6,677.0               | 6,710.2               | 6,677.0               | 24.2             | 24.9          | 34.70                 | 383.7                               | 393.1        | 225.8                  | 178.0                   | 47.89                     | 4.715              |          |
| 6,800.0                                                               | 6,776.0               | 6,809.3               | 6,776.0               | 24.6             | 25.3          | 36.81                 | 383.7                               | 393.1        | 214.5                  | 165.9                   | 48.66                     | 4.409              |          |
| 6,900.0                                                               | 6,875.0               | 6,908.3               | 6,875.0               | 25.0             | 25.6          | 39.15                 | 383.7                               | 393.1        | 203.5                  | 154.1                   | 49.43                     | 4.117              |          |
| 7,000.0                                                               | 6,974.0               | 7,007.3               | 6,974.0               | 25.4             | 25.9          | 41.74                 | 383.7                               | 393.1        | 192.9                  | 142.6                   | 50.21                     | 3.841              |          |
| 7,100.0                                                               | 7,073.1               | 7,106.3               | 7,073.1               | 25.8             | 26.3          | 44.64                 | 383.7                               | 393.1        | 182.7                  | 131.7                   | 51.01                     | 3.581              |          |
| 7,192.6                                                               | 7,164.8               | 7,201.9               | 7,164.8               | 26.2             | 26.6          | 47.61                 | 383.7                               | 393.1        | 173.7                  | 121.9                   | 51.78                     | 3.354              |          |
| 7,200.0                                                               | 7,172.1               | 7,205.4               | 7,172.1               | 26.2             | 26.6          | 47.85                 | 383.7                               | 393.1        | 173.0                  | 121.2                   | 51.82                     | 3.338              |          |
| 7,300.0                                                               | 7,271.3               | 7,304.6               | 7,271.3               | 26.6             | 27.0          | 50.95                 | 383.7                               | 393.1        | 164.9                  | 112.2                   | 52.64                     | 3.132              |          |
| 7,400.0                                                               | 7,370.8               | 7,404.1               | 7,370.8               | 27.0             | 27.3          | 53.62                 | 383.7                               | 393.1        | 158.8                  | 105.4                   | 53.44                     | 2.972              |          |
| 7,500.0                                                               | 7,470.6               | 7,503.8               | 7,470.6               | 27.4             | 27.6          | 55.72                 | 383.7                               | 393.1        | 154.6                  | 100.4                   | 54.22                     | 2.853              |          |
| 7,600.0                                                               | 7,570.5               | 7,603.7               | 7,570.5               | 27.7             | 28.0          | 57.12                 | 383.7                               | 393.1        | 152.1                  | 97.1                    | 54.96                     | 2.767              |          |
| 7,700.0                                                               | 7,670.4               | 7,703.7               | 7,670.4               | 28.1             | 28.3          | 57.74                 | 383.7                               | 393.1        | 151.0                  | 95.3                    | 55.68                     | 2.712              |          |
| 7,726.0                                                               | 7,696.4               | 7,729.7               | 7,696.4               | 28.2             | 28.4          | 90.01                 | 383.7                               | 393.1        | 151.0                  | 95.1                    | 55.86                     | 2.703              |          |
| 7,800.0                                                               | 7,770.4               | 7,803.7               | 7,770.4               | 28.4             | 28.7          | 90.01                 | 383.7                               | 393.1        | 151.0                  | 94.6                    | 56.38                     | 2.678              |          |
| 7,900.0                                                               | 7,870.4               | 7,903.7               | 7,870.4               | 28.8             | 29.0          | 90.01                 | 383.7                               | 393.1        | 151.0                  | 93.9                    | 57.07                     | 2.645              |          |
| 8,000.0                                                               | 7,970.4               | 8,003.7               | 7,970.4               | 29.1             | 29.3          | 90.01                 | 383.7                               | 393.1        | 151.0                  | 93.2                    | 57.77                     | 2.613              |          |
| 8,100.0                                                               | 8,070.4               | 8,103.7               | 8,070.4               | 29.5             | 29.7          | 90.01                 | 383.7                               | 393.1        | 151.0                  | 92.5                    | 58.47                     | 2.582              |          |
| 8,200.0                                                               | 8,170.4               | 8,203.7               | 8,170.4               | 29.8             | 30.0          | 90.01                 | 383.7                               | 393.1        | 151.0                  | 91.8                    | 59.16                     | 2.552              |          |
| 8,278.6                                                               | 8,249.0               | 8,282.3               | 8,249.0               | 30.1             | 30.3          | 90.01                 | 383.7                               | 393.1        | 151.0                  | 91.3                    | 59.71                     | 2.529              |          |
| 8,300.0                                                               | 8,270.4               | 8,303.7               | 8,270.4               | 30.2             | 30.4          | -81.06                | 383.7                               | 393.1        | 150.9                  | 91.1                    | 59.85                     | 2.522              |          |
| 8,350.0                                                               | 8,320.3               | 8,353.5               | 8,320.3               | 30.3             | 30.6          | -82.64                | 383.7                               | 393.1        | 150.3                  | 90.2                    | 60.13                     | 2.500              |          |
| 8,400.0                                                               | 8,369.5               | 8,402.8               | 8,369.5               | 30.4             | 30.7          | -85.86                | 383.7                               | 393.1        | 149.5                  | 89.1                    | 60.36                     | 2.477              |          |
| 8,444.5                                                               | 8,412.6               | 8,445.9               | 8,412.6               | 30.6             | 30.9          | -90.00                | 383.7                               | 393.1        | 149.1                  | 88.6                    | 60.51                     | 2.464              |          |
| 8,450.0                                                               | 8,417.9               | 8,451.2               | 8,417.9               | 30.6             | 30.9          | -90.59                | 383.7                               | 393.1        | 149.1                  | 88.6                    | 60.52                     | 2.463 SF           |          |
| 8,500.0                                                               | 8,465.0               | 8,501.8               | 8,465.0               | 30.7             | 31.1          | -96.52                | 383.7                               | 393.1        | 150.2                  | 89.6                    | 60.66                     | 2.476              |          |
| 8,550.0                                                               | 8,510.4               | 8,543.7               | 8,510.4               | 30.8             | 31.2          | -103.18               | 383.7                               | 393.1        | 154.2                  | 93.4                    | 60.76                     | 2.537              |          |
| 8,600.0                                                               | 8,553.8               | 8,587.1               | 8,553.8               | 30.9             | 31.4          | -109.97               | 383.7                               | 393.1        | 162.2                  | 101.3                   | 60.90                     | 2.664              |          |
| 8,650.0                                                               | 8,595.0               | 8,628.2               | 8,595.0               | 30.9             | 31.5          | -116.29               | 383.7                               | 393.1        | 175.4                  | 114.3                   | 61.09                     | 2.871              |          |
| 8,700.0                                                               | 8,633.5               | 8,666.7               | 8,633.5               | 31.0             | 31.6          | -121.72               | 383.7                               | 393.1        | 194.1                  | 132.8                   | 61.33                     | 3.165              |          |
| 8,750.0                                                               | 8,669.0               | 8,702.3               | 8,669.0               | 31.1             | 31.8          | -126.02               | 383.7                               | 393.1        | 218.2                  | 156.6                   | 61.61                     | 3.543              |          |
| 8,800.0                                                               | 8,701.4               | 8,734.7               | 8,701.4               | 31.1             | 31.9          | -129.11               | 383.7                               | 393.1        | 247.4                  | 185.6                   | 61.89                     | 3.998              |          |
| 8,850.0                                                               | 8,730.3               | 8,763.6               | 8,730.3               | 31.1             | 32.0          | -130.93               | 383.7                               | 393.1        | 281.0                  | 218.9                   | 62.15                     | 4.522              |          |
| 8,900.0                                                               | 8,755.6               | 8,788.8               | 8,755.6               | 31.2             | 32.1          | -131.41               | 383.7                               | 393.1        | 318.4                  | 256.1                   | 62.38                     | 5.104              |          |
| 8,950.0                                                               | 8,777.0               | 8,810.2               | 8,777.0               | 31.2             | 32.1          | -130.39               | 383.7                               | 393.1        | 359.0                  | 296.4                   | 62.58                     | 5.736              |          |
| 9,000.0                                                               | 8,794.4               | 8,827.6               | 8,794.4               | 31.3             | 32.2          | -127.52               | 383.7                               | 393.1        | 402.1                  | 339.3                   | 62.75                     | 6.408              |          |
| 9,050.0                                                               | 8,807.6               | 8,840.9               | 8,807.6               | 31.4             | 32.2          | -122.18               | 383.7                               | 393.1        | 447.2                  | 384.3                   | 62.87                     | 7.112              |          |
| 9,100.0                                                               | 8,816.6               | 8,849.9               | 8,816.6               | 31.5             | 32.3          | -113.35               | 383.7                               | 393.1        | 493.8                  | 430.9                   | 62.97                     | 7.842              |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design Boros - Boros Federal #228H - 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  |          |
| 9,150.0                                                               | 8,821.2               | 8,854.5               | 8,821.2               | 31.7             | 32.3          | -99.87                | 383.7                               | 393.1        | 541.5                  | 478.4                   | 63.04                     | 8.589              |          |
| 9,178.6                                                               | 8,822.0               | 8,855.2               | 8,822.0               | 31.8             | 32.3          | -90.00                | 383.7                               | 393.1        | 569.0                  | 505.9                   | 63.07                     | 9.021              |          |
| 9,200.0                                                               | 8,822.0               | 8,855.2               | 8,822.0               | 31.8             | 32.3          | -90.00                | 383.7                               | 393.1        | 589.7                  | 526.6                   | 63.09                     | 9.347              |          |
| 9,300.0                                                               | 8,822.0               | 8,855.2               | 8,822.0               | 32.2             | 32.3          | -90.00                | 383.7                               | 393.1        | 687.4                  | 624.3                   | 63.15                     | 10.885             |          |
| 9,400.0                                                               | 8,822.0               | 8,855.2               | 8,822.0               | 32.6             | 32.3          | -90.00                | 383.7                               | 393.1        | 786.3                  | 723.1                   | 63.20                     | 12.442             |          |
| 9,500.0                                                               | 8,822.0               | 8,855.2               | 8,822.0               | 33.1             | 32.3          | -90.00                | 383.7                               | 393.1        | 885.8                  | 822.5                   | 63.22                     | 14.010             |          |
| 9,600.0                                                               | 8,822.0               | 8,855.2               | 8,822.0               | 33.7             | 32.3          | -90.01                | 383.7                               | 393.1        | 985.6                  | 922.4                   | 63.24                     | 15.584             |          |
| 9,614.7                                                               | 8,822.0               | 8,855.2               | 8,822.0               | 33.8             | 32.3          | -90.01                | 383.7                               | 393.1        | 1,000.3                | 937.1                   | 63.24                     | 15.817             |          |
| 9,700.0                                                               | 8,822.0               | 8,855.2               | 8,822.0               | 34.3             | 32.3          | -90.01                | 383.7                               | 393.1        | 1,085.6                | 1,022.3                 | 63.26                     | 17.161             |          |
| 9,800.0                                                               | 8,822.0               | 8,855.2               | 8,822.0               | 35.0             | 32.3          | -90.01                | 383.7                               | 393.1        | 1,185.5                | 1,122.2                 | 63.27                     | 18.738             |          |
| 9,900.0                                                               | 8,822.0               | 8,855.2               | 8,822.0               | 35.7             | 32.3          | -90.01                | 383.7                               | 393.1        | 1,285.5                | 1,222.2                 | 63.28                     | 20.314             |          |
| 10,000.0                                                              | 8,822.0               | 8,855.2               | 8,822.0               | 36.5             | 32.3          | -90.01                | 383.7                               | 393.1        | 1,385.5                | 1,322.2                 | 63.29                     | 21.889             |          |
| 10,100.0                                                              | 8,822.0               | 8,855.2               | 8,822.0               | 37.4             | 32.3          | -90.01                | 383.7                               | 393.1        | 1,485.4                | 1,422.1                 | 63.31                     | 23.464             |          |
| 10,200.0                                                              | 8,822.0               | 8,855.2               | 8,822.0               | 38.3             | 32.3          | -90.01                | 383.7                               | 393.1        | 1,585.4                | 1,522.1                 | 63.32                     | 25.037             |          |
| 10,300.0                                                              | 8,822.0               | 8,855.2               | 8,822.0               | 39.2             | 32.3          | -90.01                | 383.7                               | 393.1        | 1,685.4                | 1,622.1                 | 63.34                     | 26.610             |          |
| 10,400.0                                                              | 8,822.0               | 8,855.2               | 8,822.0               | 40.2             | 32.3          | -90.01                | 383.7                               | 393.1        | 1,785.4                | 1,722.0                 | 63.35                     | 28.181             |          |
| 10,500.0                                                              | 8,822.0               | 8,855.2               | 8,822.0               | 41.2             | 32.3          | -90.02                | 383.7                               | 393.1        | 1,885.4                | 1,822.0                 | 63.37                     | 29.751             |          |
| 10,600.0                                                              | 8,822.0               | 8,855.2               | 8,822.0               | 42.3             | 32.3          | -90.02                | 383.7                               | 393.1        | 1,985.4                | 1,922.0                 | 63.39                     | 31.320             |          |
| 10,700.0                                                              | 8,822.0               | 8,855.2               | 8,822.0               | 43.4             | 32.3          | -90.02                | 383.7                               | 393.1        | 2,085.3                | 2,021.9                 | 63.41                     | 32.888             |          |
| 10,800.0                                                              | 8,822.0               | 8,855.2               | 8,822.0               | 44.6             | 32.3          | -90.02                | 383.7                               | 393.1        | 2,185.3                | 2,121.9                 | 63.43                     | 34.455             |          |
| 10,900.0                                                              | 8,822.0               | 8,855.2               | 8,822.0               | 45.8             | 32.3          | -90.02                | 383.7                               | 393.1        | 2,285.3                | 2,221.9                 | 63.45                     | 36.020             |          |
| 11,000.0                                                              | 8,822.0               | 8,855.2               | 8,822.0               | 47.0             | 32.3          | -90.02                | 383.7                               | 393.1        | 2,385.3                | 2,321.8                 | 63.47                     | 37.583             |          |
| 11,100.0                                                              | 8,822.0               | 8,855.2               | 8,822.0               | 48.2             | 32.3          | -90.02                | 383.7                               | 393.1        | 2,485.3                | 2,421.8                 | 63.49                     | 39.146             |          |
| 11,200.0                                                              | 8,822.0               | 8,855.2               | 8,822.0               | 49.4             | 32.3          | -90.02                | 383.7                               | 393.1        | 2,585.3                | 2,521.8                 | 63.51                     | 40.706             |          |
| 11,300.0                                                              | 8,822.0               | 8,855.2               | 8,822.0               | 50.7             | 32.3          | -90.02                | 383.7                               | 393.1        | 2,685.3                | 2,621.8                 | 63.54                     | 42.265             |          |
| 11,400.0                                                              | 8,822.0               | 8,855.2               | 8,822.0               | 52.0             | 32.3          | -90.02                | 383.7                               | 393.1        | 2,785.3                | 2,721.7                 | 63.56                     | 43.822             |          |
| 11,500.0                                                              | 8,822.0               | 8,855.2               | 8,822.0               | 53.3             | 32.3          | -90.02                | 383.7                               | 393.1        | 2,885.3                | 2,821.7                 | 63.58                     | 45.377             |          |
| 11,600.0                                                              | 8,822.0               | 8,855.2               | 8,822.0               | 54.7             | 32.3          | -90.02                | 383.7                               | 393.1        | 2,985.3                | 2,921.7                 | 63.61                     | 46.930             |          |
| 11,700.0                                                              | 8,822.0               | 8,855.2               | 8,822.0               | 56.0             | 32.3          | -90.02                | 383.7                               | 393.1        | 3,085.3                | 3,021.6                 | 63.64                     | 48.481             |          |
| 11,800.0                                                              | 8,822.0               | 8,855.2               | 8,822.0               | 57.4             | 32.3          | -90.03                | 383.7                               | 393.1        | 3,185.3                | 3,121.6                 | 63.67                     | 50.030             |          |
| 11,900.0                                                              | 8,822.0               | 8,855.2               | 8,822.0               | 58.8             | 32.3          | -90.03                | 383.7                               | 393.1        | 3,285.3                | 3,221.6                 | 63.70                     | 51.578             |          |
| 12,000.0                                                              | 8,822.0               | 8,855.2               | 8,822.0               | 60.1             | 32.3          | -90.03                | 383.7                               | 393.1        | 3,385.3                | 3,321.5                 | 63.73                     | 53.123             |          |
| 12,100.0                                                              | 8,822.0               | 8,855.2               | 8,822.0               | 61.6             | 32.3          | -90.03                | 383.7                               | 393.1        | 3,485.2                | 3,421.5                 | 63.76                     | 54.665             |          |
| 12,200.0                                                              | 8,822.0               | 8,855.2               | 8,822.0               | 63.0             | 32.3          | -90.03                | 383.7                               | 393.1        | 3,585.2                | 3,521.5                 | 63.79                     | 56.206             |          |
| 12,300.0                                                              | 8,822.0               | 8,855.2               | 8,822.0               | 64.4             | 32.3          | -90.03                | 383.7                               | 393.1        | 3,685.2                | 3,621.4                 | 63.82                     | 57.744             |          |
| 12,400.0                                                              | 8,822.0               | 8,855.2               | 8,822.0               | 65.8             | 32.3          | -90.03                | 383.7                               | 393.1        | 3,785.2                | 3,721.4                 | 63.85                     | 59.280             |          |
| 12,500.0                                                              | 8,822.0               | 16,352.2              | 12,679.0              | 67.3             | 74.2          | 179.99                | -3,501.5                            | 385.5        | 3,857.0                | 3,788.7                 | 68.25                     | 56.511             |          |
| 12,600.0                                                              | 8,822.0               | 16,452.2              | 12,679.0              | 68.7             | 75.5          | 179.99                | -3,601.5                            | 386.2        | 3,857.0                | 3,787.4                 | 69.65                     | 55.380             |          |
| 12,700.0                                                              | 8,822.0               | 16,552.2              | 12,679.0              | 70.2             | 76.9          | 179.99                | -3,701.5                            | 386.8        | 3,857.0                | 3,786.0                 | 71.05                     | 54.289             |          |
| 12,800.0                                                              | 8,822.0               | 16,652.2              | 12,679.0              | 71.7             | 78.2          | 179.99                | -3,801.5                            | 387.4        | 3,857.0                | 3,784.5                 | 72.45                     | 53.234             |          |
| 12,900.0                                                              | 8,822.0               | 16,752.2              | 12,679.0              | 73.2             | 79.6          | 179.99                | -3,901.5                            | 388.1        | 3,857.0                | 3,783.1                 | 73.87                     | 52.216             |          |
| 13,000.0                                                              | 8,822.0               | 16,852.2              | 12,679.0              | 74.7             | 80.9          | 179.99                | -4,001.5                            | 388.7        | 3,857.0                | 3,781.7                 | 75.29                     | 51.231             |          |
| 13,100.0                                                              | 8,822.0               | 16,952.2              | 12,679.0              | 76.2             | 82.3          | 179.99                | -4,101.5                            | 389.3        | 3,857.0                | 3,780.3                 | 76.71                     | 50.280             |          |
| 13,200.0                                                              | 8,822.0               | 17,052.2              | 12,679.0              | 77.7             | 83.7          | 179.99                | -4,201.5                            | 390.0        | 3,857.0                | 3,778.9                 | 78.14                     | 49.360             |          |
| 13,300.0                                                              | 8,822.0               | 17,152.2              | 12,679.0              | 79.2             | 85.1          | 179.99                | -4,301.5                            | 390.6        | 3,857.0                | 3,777.4                 | 79.58                     | 48.469             |          |
| 13,400.0                                                              | 8,822.0               | 17,252.2              | 12,679.0              | 80.7             | 86.5          | 179.99                | -4,401.5                            | 391.2        | 3,857.0                | 3,776.0                 | 81.02                     | 47.608             |          |
| 13,500.0                                                              | 8,822.0               | 17,352.2              | 12,679.0              | 82.2             | 87.9          | 179.99                | -4,501.5                            | 391.9        | 3,857.0                | 3,774.5                 | 82.46                     | 46.774             |          |
| 13,600.0                                                              | 8,822.0               | 17,452.2              | 12,679.0              | 83.7             | 89.3          | 179.99                | -4,601.5                            | 392.5        | 3,857.0                | 3,773.1                 | 83.91                     | 45.966             |          |
| 13,700.0                                                              | 8,822.0               | 17,552.2              | 12,679.0              | 85.2             | 90.8          | 179.99                | -4,701.5                            | 393.1        | 3,857.0                | 3,771.6                 | 85.36                     | 45.184             |          |
| 13,800.0                                                              | 8,822.0               | 17,652.2              | 12,679.0              | 86.8             | 92.2          | 179.99                | -4,801.5                            | 393.8        | 3,857.0                | 3,770.2                 | 86.82                     | 44.426             |          |
| 13,900.0                                                              | 8,822.0               | 17,752.2              | 12,679.0              | 88.3             | 93.6          | 179.99                | -4,901.5                            | 394.4        | 3,857.0                | 3,768.7                 | 88.28                     | 43.691             |          |
| 14,000.0                                                              | 8,822.0               | 17,852.2              | 12,679.0              | 89.9             | 95.1          | 179.99                | -5,001.5                            | 395.0        | 3,857.0                | 3,767.3                 | 89.74                     | 42.978             |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design Boros - Boros Federal #228H - 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  |          |
| 14,100.0                                                              | 8,822.0               | 17,952.2              | 12,679.0              | 91.4             | 96.6          | 179.99                | -5,101.5                            | 395.7        | 3,857.0                | 3,765.8                 | 91.21                     | 42.287             |          |
| 14,200.0                                                              | 8,822.0               | 18,052.2              | 12,679.0              | 92.9             | 98.0          | 179.99                | -5,201.5                            | 396.3        | 3,857.0                | 3,764.3                 | 92.68                     | 41.616             |          |
| 14,300.0                                                              | 8,822.0               | 18,152.2              | 12,679.0              | 94.5             | 99.5          | 179.99                | -5,301.5                            | 396.9        | 3,857.0                | 3,762.8                 | 94.16                     | 40.964             |          |
| 14,400.0                                                              | 8,822.0               | 18,252.2              | 12,679.0              | 96.0             | 101.0         | 179.99                | -5,401.5                            | 397.6        | 3,857.0                | 3,761.4                 | 95.63                     | 40.332             |          |
| 14,500.0                                                              | 8,822.0               | 18,352.2              | 12,679.0              | 97.6             | 102.5         | 179.99                | -5,501.5                            | 398.2        | 3,857.0                | 3,759.9                 | 97.11                     | 39.717             |          |
| 14,600.0                                                              | 8,822.0               | 18,452.2              | 12,679.0              | 99.2             | 103.9         | 179.99                | -5,601.5                            | 398.8        | 3,857.0                | 3,758.4                 | 98.59                     | 39.120             |          |
| 14,700.0                                                              | 8,822.0               | 18,552.2              | 12,679.0              | 100.7            | 105.4         | 179.99                | -5,701.5                            | 399.5        | 3,857.0                | 3,756.9                 | 100.08                    | 38.540             |          |
| 14,800.0                                                              | 8,822.0               | 18,652.2              | 12,679.0              | 102.3            | 106.9         | 179.99                | -5,801.5                            | 400.1        | 3,857.0                | 3,755.4                 | 101.57                    | 37.975             |          |
| 14,900.0                                                              | 8,822.0               | 18,752.2              | 12,679.0              | 103.9            | 108.4         | 179.99                | -5,901.4                            | 400.7        | 3,857.0                | 3,753.9                 | 103.06                    | 37.427             |          |
| 15,000.0                                                              | 8,822.0               | 18,852.2              | 12,679.0              | 105.4            | 109.9         | 179.99                | -6,001.4                            | 401.4        | 3,857.0                | 3,752.5                 | 104.55                    | 36.892             |          |
| 15,100.0                                                              | 8,822.0               | 18,952.2              | 12,679.0              | 107.0            | 111.4         | 179.99                | -6,101.4                            | 402.0        | 3,857.0                | 3,751.0                 | 106.04                    | 36.373             |          |
| 15,200.0                                                              | 8,822.0               | 19,052.2              | 12,679.0              | 108.6            | 113.0         | 179.99                | -6,201.4                            | 402.6        | 3,857.0                | 3,749.5                 | 107.54                    | 35.867             |          |
| 15,300.0                                                              | 8,822.0               | 19,152.2              | 12,679.0              | 110.2            | 114.5         | 179.99                | -6,301.4                            | 403.3        | 3,857.0                | 3,748.0                 | 109.04                    | 35.374             |          |
| 15,400.0                                                              | 8,822.0               | 19,252.2              | 12,679.0              | 111.7            | 116.0         | 179.99                | -6,401.4                            | 403.9        | 3,857.0                | 3,746.5                 | 110.54                    | 34.894             |          |
| 15,500.0                                                              | 8,822.0               | 19,352.2              | 12,679.0              | 113.3            | 117.5         | 179.99                | -6,501.4                            | 404.5        | 3,857.0                | 3,745.0                 | 112.04                    | 34.426             |          |
| 15,600.0                                                              | 8,822.0               | 19,452.2              | 12,679.0              | 114.9            | 119.0         | 179.99                | -6,601.4                            | 405.2        | 3,857.0                | 3,743.5                 | 113.54                    | 33.970             |          |
| 15,700.0                                                              | 8,822.0               | 19,552.2              | 12,679.0              | 116.5            | 120.6         | 179.99                | -6,701.4                            | 405.8        | 3,857.0                | 3,742.0                 | 115.05                    | 33.525             |          |
| 15,800.0                                                              | 8,822.0               | 19,652.2              | 12,679.0              | 118.1            | 122.1         | 179.99                | -6,801.4                            | 406.4        | 3,857.0                | 3,740.4                 | 116.55                    | 33.092             |          |
| 15,900.0                                                              | 8,822.0               | 19,752.2              | 12,679.0              | 119.7            | 123.6         | 179.99                | -6,901.4                            | 407.1        | 3,857.0                | 3,738.9                 | 118.06                    | 32.669             |          |
| 16,000.0                                                              | 8,822.0               | 19,852.2              | 12,679.0              | 121.3            | 125.2         | 179.99                | -7,001.4                            | 407.7        | 3,857.0                | 3,737.4                 | 119.57                    | 32.256             |          |
| 16,100.0                                                              | 8,822.0               | 19,952.2              | 12,679.0              | 122.8            | 126.7         | 179.99                | -7,101.4                            | 408.3        | 3,857.0                | 3,735.9                 | 121.09                    | 31.854             |          |
| 16,200.0                                                              | 8,822.0               | 20,052.2              | 12,679.0              | 124.4            | 128.3         | 179.99                | -7,201.4                            | 409.0        | 3,857.0                | 3,734.4                 | 122.60                    | 31.460             |          |
| 16,300.0                                                              | 8,822.0               | 20,152.2              | 12,679.0              | 126.0            | 129.8         | 179.99                | -7,301.4                            | 409.6        | 3,857.0                | 3,732.9                 | 124.11                    | 31.077             |          |
| 16,400.0                                                              | 8,822.0               | 20,252.2              | 12,679.0              | 127.6            | 131.4         | 179.99                | -7,401.4                            | 410.2        | 3,857.0                | 3,731.4                 | 125.63                    | 30.702             |          |
| 16,500.0                                                              | 8,822.0               | 20,352.2              | 12,679.0              | 129.2            | 132.9         | 179.99                | -7,501.4                            | 410.9        | 3,857.0                | 3,729.9                 | 127.15                    | 30.335             |          |
| 16,600.0                                                              | 8,822.0               | 20,452.2              | 12,679.0              | 130.8            | 134.5         | 180.00                | -7,601.4                            | 411.5        | 3,857.0                | 3,728.3                 | 128.66                    | 29.977             |          |
| 16,700.0                                                              | 8,822.0               | 20,552.2              | 12,679.0              | 132.4            | 136.0         | 180.00                | -7,701.4                            | 412.1        | 3,857.0                | 3,726.8                 | 130.18                    | 29.627             |          |
| 16,800.0                                                              | 8,822.0               | 20,652.2              | 12,679.0              | 134.0            | 137.6         | 180.00                | -7,801.4                            | 412.8        | 3,857.0                | 3,725.3                 | 131.70                    | 29.285             |          |
| 16,900.0                                                              | 8,822.0               | 20,752.2              | 12,679.0              | 135.6            | 139.2         | 180.00                | -7,901.4                            | 413.4        | 3,857.0                | 3,723.8                 | 133.23                    | 28.951             |          |
| 17,000.0                                                              | 8,822.0               | 20,852.2              | 12,679.0              | 137.2            | 140.7         | 180.00                | -8,001.4                            | 414.0        | 3,857.0                | 3,722.3                 | 134.75                    | 28.624             |          |
| 17,100.0                                                              | 8,822.0               | 20,952.2              | 12,679.0              | 138.8            | 142.3         | 180.00                | -8,101.4                            | 414.7        | 3,857.0                | 3,720.7                 | 136.27                    | 28.303             |          |
| 17,200.0                                                              | 8,822.0               | 21,052.2              | 12,679.0              | 140.4            | 143.9         | 180.00                | -8,201.4                            | 415.3        | 3,857.0                | 3,719.2                 | 137.80                    | 27.990             |          |
| 17,300.0                                                              | 8,822.0               | 21,152.2              | 12,679.0              | 142.0            | 145.4         | 180.00                | -8,301.4                            | 415.9        | 3,857.0                | 3,717.7                 | 139.32                    | 27.684             |          |
| 17,400.0                                                              | 8,822.0               | 21,252.2              | 12,679.0              | 143.7            | 147.0         | 180.00                | -8,401.4                            | 416.6        | 3,857.0                | 3,716.1                 | 140.85                    | 27.384             |          |
| 17,500.0                                                              | 8,822.0               | 21,352.2              | 12,679.0              | 145.3            | 148.6         | 180.00                | -8,501.4                            | 417.2        | 3,857.0                | 3,714.6                 | 142.38                    | 27.090             |          |
| 17,600.0                                                              | 8,822.0               | 21,452.2              | 12,679.0              | 146.9            | 150.2         | 180.00                | -8,601.4                            | 417.8        | 3,857.0                | 3,713.1                 | 143.91                    | 26.802             |          |
| 17,700.0                                                              | 8,822.0               | 21,552.2              | 12,679.0              | 148.5            | 151.7         | 180.00                | -8,701.4                            | 418.5        | 3,857.0                | 3,711.6                 | 145.44                    | 26.520             |          |
| 17,800.0                                                              | 8,822.0               | 21,652.2              | 12,679.0              | 150.1            | 153.3         | 180.00                | -8,801.4                            | 419.1        | 3,857.0                | 3,710.0                 | 146.97                    | 26.244             |          |
| 17,900.0                                                              | 8,822.0               | 21,752.2              | 12,679.0              | 151.7            | 154.9         | 180.00                | -8,901.4                            | 419.7        | 3,857.0                | 3,708.5                 | 148.50                    | 25.973             |          |
| 18,000.0                                                              | 8,822.0               | 21,852.2              | 12,679.0              | 153.3            | 156.5         | 180.00                | -9,001.4                            | 420.4        | 3,857.0                | 3,707.0                 | 150.03                    | 25.708             |          |
| 18,100.0                                                              | 8,822.0               | 21,952.2              | 12,679.0              | 154.9            | 158.1         | 180.00                | -9,101.4                            | 421.0        | 3,857.0                | 3,705.4                 | 151.56                    | 25.448             |          |
| 18,200.0                                                              | 8,822.0               | 22,052.2              | 12,679.0              | 156.5            | 159.6         | 180.00                | -9,201.4                            | 421.6        | 3,857.0                | 3,703.9                 | 153.10                    | 25.193             |          |
| 18,300.0                                                              | 8,822.0               | 22,152.2              | 12,679.0              | 158.2            | 161.2         | 180.00                | -9,301.4                            | 422.3        | 3,857.0                | 3,702.4                 | 154.63                    | 24.943             |          |
| 18,400.0                                                              | 8,822.0               | 22,252.2              | 12,679.0              | 159.8            | 162.8         | 180.00                | -9,401.4                            | 422.9        | 3,857.0                | 3,700.8                 | 156.17                    | 24.698             |          |
| 18,500.0                                                              | 8,822.0               | 22,352.2              | 12,679.0              | 161.4            | 164.4         | 180.00                | -9,501.4                            | 423.5        | 3,857.0                | 3,699.3                 | 157.70                    | 24.458             |          |
| 18,600.0                                                              | 8,822.0               | 22,452.2              | 12,679.0              | 163.0            | 166.0         | 180.00                | -9,601.4                            | 424.2        | 3,857.0                | 3,697.8                 | 159.24                    | 24.222             |          |
| 18,700.0                                                              | 8,822.0               | 22,552.2              | 12,679.0              | 164.6            | 167.6         | 180.00                | -9,701.4                            | 424.8        | 3,857.0                | 3,696.2                 | 160.77                    | 23.990             |          |
| 18,800.0                                                              | 8,822.0               | 22,652.2              | 12,679.0              | 166.2            | 169.2         | 180.00                | -9,801.4                            | 425.4        | 3,857.0                | 3,694.7                 | 162.31                    | 23.763             |          |
| 18,900.0                                                              | 8,822.0               | 22,752.2              | 12,679.0              | 167.9            | 170.8         | 180.00                | -9,901.4                            | 426.1        | 3,857.0                | 3,693.2                 | 163.85                    | 23.540             |          |
| 18,992.9                                                              | 8,822.0               | 22,845.0              | 12,679.0              | 169.4            | 172.2         | 180.00                | -9,994.2                            | 426.7        | 3,857.0                | 3,691.9                 | 165.11                    | 23.361             |          |
| 19,000.0                                                              | 8,822.0               | 22,841.0              | 12,679.0              | 169.5            | 172.1         | 180.00                | -9,990.1                            | 426.6        | 3,857.0                | 3,691.9                 | 165.13                    | 23.358             |          |
| 19,100.0                                                              | 8,822.0               | 22,841.0              | 12,679.0              | 171.1            | 172.1         | 180.00                | -9,990.1                            | 426.6        | 3,858.6                | 3,692.9                 | 165.68                    | 23.290             |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design         |                       |                       |                       |                  |               |                       |                                     |              |                        |                         |                           | Boros - Boros Federal #228H - 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                                       |  |                    |  |          |  |
| 19,129.9              | 8,822.0               | 22,841.0              | 12,679.0              | 171.6            | 172.1         | 180.00                | -9,990.1                            | 426.6        | 3,859.6                | 3,693.8                 | 165.83                    | 23.274                                                  |  |                    |  |          |  |

# Anticollision Report

|                           |                            |                                     |                          |
|---------------------------|----------------------------|-------------------------------------|--------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design Boros - Boros Federal #244H - 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  |          |
| 0.0                                                                   | 0.0                   | 1.0                   | 1.0                   | 0.0              | 0.0           | 88.75                 | 2.0                                 | 89.9         | 90.0                   |                         |                           |                    |          |
| 100.0                                                                 | 100.0                 | 101.0                 | 101.0                 | 0.1              | 0.1           | 88.75                 | 2.0                                 | 89.9         | 90.0                   | 89.7                    | 0.26                      | 346.160            |          |
| 200.0                                                                 | 200.0                 | 201.0                 | 201.0                 | 0.5              | 0.5           | 88.75                 | 2.0                                 | 89.9         | 90.0                   | 89.0                    | 0.98                      | 92.098             |          |
| 300.0                                                                 | 300.0                 | 301.0                 | 301.0                 | 0.8              | 0.8           | 88.75                 | 2.0                                 | 89.9         | 90.0                   | 88.3                    | 1.69                      | 53.115             |          |
| 400.0                                                                 | 400.0                 | 401.0                 | 401.0                 | 1.2              | 1.2           | 88.75                 | 2.0                                 | 89.9         | 90.0                   | 87.6                    | 2.41                      | 37.318             |          |
| 500.0                                                                 | 500.0                 | 501.0                 | 501.0                 | 1.6              | 1.6           | 88.75                 | 2.0                                 | 89.9         | 90.0                   | 86.8                    | 3.13                      | 28.764             |          |
| 600.0                                                                 | 600.0                 | 601.0                 | 601.0                 | 1.9              | 1.9           | 88.75                 | 2.0                                 | 89.9         | 90.0                   | 86.1                    | 3.84                      | 23.400             |          |
| 700.0                                                                 | 700.0                 | 701.0                 | 701.0                 | 2.3              | 2.3           | 88.75                 | 2.0                                 | 89.9         | 90.0                   | 85.4                    | 4.56                      | 19.722             |          |
| 800.0                                                                 | 800.0                 | 801.0                 | 801.0                 | 2.6              | 2.6           | 88.75                 | 2.0                                 | 89.9         | 90.0                   | 84.7                    | 5.28                      | 17.044             |          |
| 900.0                                                                 | 900.0                 | 901.0                 | 901.0                 | 3.0              | 3.0           | 88.75                 | 2.0                                 | 89.9         | 90.0                   | 84.0                    | 6.00                      | 15.005             |          |
| 1,000.0                                                               | 1,000.0               | 1,001.0               | 1,001.0               | 3.4              | 3.4           | 88.75                 | 2.0                                 | 89.9         | 90.0                   | 83.3                    | 6.71                      | 13.403             |          |
| 1,100.0                                                               | 1,100.0               | 1,101.0               | 1,101.0               | 3.7              | 3.7           | 88.75                 | 2.0                                 | 89.9         | 90.0                   | 82.5                    | 7.43                      | 12.109             |          |
| 1,200.0                                                               | 1,200.0               | 1,201.0               | 1,201.0               | 4.1              | 4.1           | 88.75                 | 2.0                                 | 89.9         | 90.0                   | 81.8                    | 8.15                      | 11.044             |          |
| 1,300.0                                                               | 1,300.0               | 1,301.0               | 1,301.0               | 4.4              | 4.4           | 88.75                 | 2.0                                 | 89.9         | 90.0                   | 81.1                    | 8.86                      | 10.150             |          |
| 1,400.0                                                               | 1,400.0               | 1,401.0               | 1,401.0               | 4.8              | 4.8           | 88.75                 | 2.0                                 | 89.9         | 90.0                   | 80.4                    | 9.58                      | 9.391              |          |
| 1,500.0                                                               | 1,500.0               | 1,501.0               | 1,501.0               | 5.1              | 5.2           | 88.75                 | 2.0                                 | 89.9         | 90.0                   | 79.7                    | 10.30                     | 8.737              |          |
| 1,600.0                                                               | 1,600.0               | 1,601.0               | 1,601.0               | 5.5              | 5.5           | 88.75                 | 2.0                                 | 89.9         | 90.0                   | 79.0                    | 11.01                     | 8.168              |          |
| 1,700.0                                                               | 1,700.0               | 1,701.0               | 1,701.0               | 5.9              | 5.9           | 88.75                 | 2.0                                 | 89.9         | 90.0                   | 78.2                    | 11.73                     | 7.669              |          |
| 1,800.0                                                               | 1,800.0               | 1,801.0               | 1,801.0               | 6.2              | 6.2           | 88.75                 | 2.0                                 | 89.9         | 90.0                   | 77.5                    | 12.45                     | 7.227              |          |
| 1,900.0                                                               | 1,900.0               | 1,900.6               | 1,900.6               | 6.6              | 6.6           | 88.20                 | 2.8                                 | 90.1         | 90.2                   | 77.0                    | 13.16                     | 6.852              |          |
| 2,000.0                                                               | 2,000.0               | 2,000.1               | 2,000.1               | 6.9              | 6.9           | 86.61                 | 5.4                                 | 90.7         | 90.9                   | 77.0                    | 13.88                     | 6.550              |          |
| 2,100.0                                                               | 2,100.0               | 2,099.6               | 2,099.4               | 7.3              | 7.3           | 84.02                 | 9.6                                 | 91.7         | 92.2                   | 77.6                    | 14.59                     | 6.321              |          |
| 2,200.0                                                               | 2,200.0               | 2,198.8               | 2,198.5               | 7.7              | 7.7           | 80.55                 | 15.5                                | 93.1         | 94.4                   | 79.1                    | 15.30                     | 6.169              |          |
| 2,300.0                                                               | 2,300.0               | 2,297.8               | 2,297.2               | 8.0              | 8.0           | 76.35                 | 23.0                                | 94.8         | 97.6                   | 81.6                    | 16.01                     | 6.099              |          |
| 2,400.0                                                               | 2,400.0               | 2,396.5               | 2,395.4               | 8.4              | 8.4           | 71.62                 | 32.2                                | 96.9         | 102.3                  | 85.6                    | 16.71                     | 6.121              |          |
| 2,500.0                                                               | 2,500.0               | 2,494.9               | 2,493.2               | 8.7              | 8.7           | 66.62                 | 43.0                                | 99.4         | 108.6                  | 91.2                    | 17.41                     | 6.238              |          |
| 2,600.0                                                               | 2,600.0               | 2,607.3               | 2,590.2               | 9.1              | 9.1           | 61.59                 | 55.3                                | 102.3        | 116.8                  | 98.6                    | 18.15                     | 6.434              |          |
| 2,700.0                                                               | 2,700.0               | 2,708.3               | 2,688.3               | 9.4              | 9.5           | 56.88                 | 68.7                                | 105.4        | 126.4                  | 107.6                   | 18.86                     | 6.705              |          |
| 2,800.0                                                               | 2,800.0               | 2,809.2               | 2,786.3               | 9.8              | 9.9           | 52.85                 | 82.2                                | 108.5        | 136.9                  | 117.3                   | 19.57                     | 6.992              |          |
| 2,900.0                                                               | 2,900.0               | 2,889.8               | 2,884.4               | 10.2             | 10.2          | 49.41                 | 95.6                                | 111.6        | 147.9                  | 127.6                   | 20.21                     | 7.315              |          |
| 3,000.0                                                               | 3,000.0               | 2,988.8               | 2,982.4               | 10.5             | 10.6          | 46.44                 | 109.0                               | 114.7        | 159.3                  | 138.4                   | 20.92                     | 7.614              |          |
| 3,100.0                                                               | 3,100.0               | 3,087.9               | 3,080.5               | 10.9             | 11.0          | 43.88                 | 122.5                               | 117.8        | 171.1                  | 149.5                   | 21.63                     | 7.910              |          |
| 3,200.0                                                               | 3,200.0               | 3,186.9               | 3,178.6               | 11.2             | 11.3          | 41.65                 | 135.9                               | 120.9        | 183.2                  | 160.9                   | 22.35                     | 8.200              |          |
| 3,300.0                                                               | 3,300.0               | 3,285.9               | 3,276.6               | 11.6             | 11.7          | 39.70                 | 149.3                               | 124.0        | 195.6                  | 172.5                   | 23.06                     | 8.482              |          |
| 3,400.0                                                               | 3,400.0               | 3,384.9               | 3,374.7               | 12.0             | 12.1          | 37.98                 | 162.7                               | 127.1        | 208.1                  | 184.4                   | 23.77                     | 8.756              |          |
| 3,500.0                                                               | 3,500.0               | 3,484.0               | 3,472.8               | 12.3             | 12.5          | 36.46                 | 176.2                               | 130.2        | 220.9                  | 196.4                   | 24.49                     | 9.020              |          |
| 3,600.0                                                               | 3,600.0               | 3,583.0               | 3,570.8               | 12.7             | 12.9          | 35.10                 | 189.6                               | 133.3        | 233.7                  | 208.5                   | 25.20                     | 9.274              |          |
| 3,700.0                                                               | 3,700.0               | 3,682.0               | 3,668.9               | 13.0             | 13.3          | 33.89                 | 203.0                               | 136.4        | 246.7                  | 220.8                   | 25.92                     | 9.518              |          |
| 3,800.0                                                               | 3,800.0               | 3,781.0               | 3,766.9               | 13.4             | 13.7          | 32.79                 | 216.5                               | 139.5        | 259.7                  | 233.1                   | 26.63                     | 9.753              |          |
| 3,900.0                                                               | 3,900.0               | 3,880.2               | 3,865.1               | 13.7             | 14.1          | -0.45                 | 229.9                               | 142.6        | 272.0                  | 244.7                   | 27.35                     | 9.947              |          |
| 4,000.0                                                               | 4,000.0               | 3,979.5               | 3,963.5               | 14.1             | 14.5          | -1.36                 | 243.4                               | 145.7        | 282.6                  | 254.6                   | 28.06                     | 10.072             |          |
| 4,100.0                                                               | 4,099.9               | 4,079.0               | 4,062.0               | 14.5             | 14.9          | -2.21                 | 256.9                               | 148.8        | 291.6                  | 262.8                   | 28.78                     | 10.132             |          |
| 4,200.0                                                               | 4,199.7               | 4,178.7               | 4,160.7               | 14.8             | 15.3          | -3.04                 | 270.4                               | 151.9        | 298.9                  | 269.4                   | 29.50                     | 10.132             |          |
| 4,300.0                                                               | 4,299.4               | 4,278.4               | 4,259.5               | 15.2             | 15.7          | -3.84                 | 283.9                               | 155.0        | 304.5                  | 274.3                   | 30.22                     | 10.076             |          |
| 4,400.0                                                               | 4,398.9               | 4,378.2               | 4,358.3               | 15.5             | 16.1          | -4.64                 | 297.4                               | 158.2        | 308.4                  | 277.5                   | 30.94                     | 9.969              |          |
| 4,500.0                                                               | 4,498.3               | 4,478.1               | 4,457.2               | 15.9             | 16.5          | -5.46                 | 311.0                               | 161.3        | 310.6                  | 279.0                   | 31.66                     | 9.813              |          |
| 4,600.0                                                               | 4,597.4               | 4,578.0               | 4,556.2               | 16.2             | 16.9          | -6.30                 | 324.5                               | 164.4        | 311.2                  | 278.8                   | 32.38                     | 9.612              |          |
| 4,700.0                                                               | 4,696.4               | 4,677.9               | 4,655.1               | 16.6             | 17.3          | -7.15                 | 338.1                               | 167.5        | 311.0                  | 277.9                   | 33.10                     | 9.395              |          |
| 4,800.0                                                               | 4,795.5               | 4,781.7               | 4,757.9               | 17.0             | 17.7          | -8.03                 | 351.9                               | 170.7        | 310.5                  | 276.7                   | 33.87                     | 9.168              |          |
| 4,900.0                                                               | 4,894.5               | 4,890.2               | 4,865.7               | 17.3             | 18.1          | -8.86                 | 363.7                               | 173.5        | 307.8                  | 273.1                   | 34.69                     | 8.873              |          |
| 5,000.0                                                               | 4,993.5               | 4,998.5               | 4,973.7               | 17.7             | 18.5          | -9.62                 | 372.6                               | 175.5        | 302.3                  | 266.8                   | 35.47                     | 8.523              |          |
| 5,100.0                                                               | 5,092.5               | 5,106.5               | 5,081.4               | 18.1             | 18.9          | -10.31                | 378.5                               | 176.9        | 294.1                  | 257.8                   | 36.22                     | 8.118              |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design Boros - Boros Federal #244H - 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  |                 |
| 5,200.0                                                               | 5,191.6               | 5,213.8               | 5,188.7               | 18.5             | 19.3          | -10.95                | 381.4                               | 177.5        | 283.1                  | 246.2                   | 36.94                     | 7.664              |                 |
| 5,300.0                                                               | 5,290.6               | 5,316.7               | 5,291.6               | 18.8             | 19.7          | -11.54                | 381.7                               | 177.6        | 269.8                  | 232.1                   | 37.64                     | 7.167              |                 |
| 5,400.0                                                               | 5,389.6               | 5,415.7               | 5,390.6               | 19.2             | 20.0          | -12.17                | 381.7                               | 177.6        | 256.1                  | 217.8                   | 38.35                     | 6.680              |                 |
| 5,500.0                                                               | 5,488.6               | 5,514.7               | 5,489.6               | 19.6             | 20.3          | -12.86                | 381.7                               | 177.6        | 242.6                  | 203.5                   | 39.06                     | 6.210              |                 |
| 5,600.0                                                               | 5,587.7               | 5,613.8               | 5,588.7               | 20.0             | 20.7          | -13.63                | 381.7                               | 177.6        | 229.0                  | 189.2                   | 39.76                     | 5.759              |                 |
| 5,700.0                                                               | 5,686.7               | 5,712.8               | 5,687.7               | 20.4             | 21.0          | -14.50                | 381.7                               | 177.6        | 215.5                  | 175.0                   | 40.48                     | 5.324              |                 |
| 5,800.0                                                               | 5,785.7               | 5,811.8               | 5,786.7               | 20.7             | 21.3          | -15.49                | 381.7                               | 177.6        | 202.0                  | 160.8                   | 41.19                     | 4.905              |                 |
| 5,900.0                                                               | 5,884.8               | 5,910.8               | 5,885.8               | 21.1             | 21.7          | -16.62                | 381.7                               | 177.6        | 188.7                  | 146.7                   | 41.90                     | 4.502              |                 |
| 6,000.0                                                               | 5,983.8               | 6,009.9               | 5,984.8               | 21.5             | 22.0          | -17.92                | 381.7                               | 177.6        | 175.4                  | 132.7                   | 42.62                     | 4.114              |                 |
| 6,100.0                                                               | 6,082.8               | 6,108.9               | 6,083.8               | 21.9             | 22.4          | -19.43                | 381.7                               | 177.6        | 162.2                  | 118.8                   | 43.34                     | 3.741              |                 |
| 6,200.0                                                               | 6,181.8               | 6,207.9               | 6,182.8               | 22.3             | 22.7          | -21.21                | 381.7                               | 177.6        | 149.1                  | 105.0                   | 44.07                     | 3.383              |                 |
| 6,300.0                                                               | 6,280.9               | 6,306.9               | 6,281.9               | 22.7             | 23.0          | -23.32                | 381.7                               | 177.6        | 136.2                  | 91.4                    | 44.80                     | 3.040              |                 |
| 6,400.0                                                               | 6,379.9               | 6,406.0               | 6,380.9               | 23.1             | 23.4          | -25.88                | 381.7                               | 177.6        | 123.5                  | 78.0                    | 45.54                     | 2.712              |                 |
| 6,500.0                                                               | 6,478.9               | 6,505.0               | 6,479.9               | 23.5             | 23.7          | -29.00                | 381.7                               | 177.6        | 111.1                  | 64.8                    | 46.29                     | 2.401              |                 |
| 6,600.0                                                               | 6,577.9               | 6,604.0               | 6,578.9               | 23.9             | 24.1          | -32.89                | 381.7                               | 177.6        | 99.2                   | 52.1                    | 47.05                     | 2.107              |                 |
| 6,700.0                                                               | 6,677.0               | 6,703.0               | 6,678.0               | 24.2             | 24.4          | -37.82                | 381.7                               | 177.6        | 87.8                   | 39.9                    | 47.85                     | 1.834              |                 |
| 6,800.0                                                               | 6,776.0               | 6,802.1               | 6,777.0               | 24.6             | 24.8          | -44.13                | 381.7                               | 177.6        | 77.2                   | 28.5                    | 48.68                     | 1.586              |                 |
| 6,900.0                                                               | 6,875.0               | 6,901.1               | 6,876.0               | 25.0             | 25.1          | -52.30                | 381.7                               | 177.6        | 67.8                   | 18.3                    | 49.56                     | 1.369              | Level 3         |
| 7,000.0                                                               | 6,974.0               | 7,000.1               | 6,975.0               | 25.4             | 25.4          | -62.74                | 381.7                               | 177.6        | 60.3                   | 9.8                     | 50.48                     | 1.194              | Level 2         |
| 7,100.0                                                               | 7,073.1               | 7,100.8               | 7,074.1               | 25.8             | 25.8          | -75.56                | 381.7                               | 177.6        | 55.3                   | 3.8                     | 51.43                     | 1.074              | Level 2         |
| 7,192.6                                                               | 7,164.8               | 7,209.1               | 7,165.8               | 26.2             | 26.2          | -88.92                | 381.7                               | 177.6        | 53.5                   | 1.2                     | 52.30                     | 1.023              | Level 2         |
| 7,200.0                                                               | 7,172.1               | 7,201.8               | 7,173.1               | 26.2             | 26.1          | -90.00                | 381.7                               | 177.6        | 53.5                   | 1.2                     | 52.31                     | 1.022              | Level 2, CC     |
| 7,200.0                                                               | 7,172.1               | 7,201.8               | 7,173.1               | 26.2             | 26.1          | -90.00                | 381.7                               | 177.6        | 53.5                   | 1.2                     | 52.31                     | 1.022              | Level 2, ES, SF |
| 7,300.0                                                               | 7,271.3               | 7,302.6               | 7,272.3               | 26.6             | 26.5          | -103.01               | 381.7                               | 177.6        | 54.9                   | 1.9                     | 53.04                     | 1.035              | Level 2         |
| 7,400.0                                                               | 7,370.8               | 7,403.1               | 7,371.8               | 27.0             | 26.8          | -112.52               | 381.7                               | 177.6        | 57.9                   | 4.2                     | 53.69                     | 1.079              | Level 2         |
| 7,500.0                                                               | 7,470.6               | 7,503.3               | 7,471.6               | 27.4             | 27.2          | -118.82               | 381.7                               | 177.6        | 61.1                   | 6.7                     | 54.33                     | 1.124              | Level 2         |
| 7,600.0                                                               | 7,570.5               | 7,603.5               | 7,571.5               | 27.7             | 27.5          | -122.50               | 381.7                               | 177.6        | 63.4                   | 8.4                     | 54.98                     | 1.153              | Level 2         |
| 7,700.0                                                               | 7,670.4               | 7,703.5               | 7,671.4               | 28.1             | 27.9          | -124.00               | 381.7                               | 177.6        | 64.5                   | 8.8                     | 55.66                     | 1.159              | Level 2         |
| 7,726.0                                                               | 7,696.4               | 7,722.5               | 7,697.4               | 28.2             | 28.0          | -91.81                | 381.7                               | 177.6        | 64.6                   | 8.7                     | 55.82                     | 1.157              | Level 2         |
| 7,800.0                                                               | 7,770.4               | 7,803.5               | 7,771.4               | 28.4             | 28.2          | -91.81                | 381.7                               | 177.6        | 64.6                   | 8.2                     | 56.36                     | 1.145              | Level 2         |
| 7,900.0                                                               | 7,870.4               | 7,903.5               | 7,871.4               | 28.8             | 28.6          | -91.81                | 381.7                               | 177.6        | 64.6                   | 7.5                     | 57.06                     | 1.131              | Level 2         |
| 8,000.0                                                               | 7,970.4               | 8,003.5               | 7,971.4               | 29.1             | 28.9          | -91.81                | 381.7                               | 177.6        | 64.6                   | 6.8                     | 57.75                     | 1.118              | Level 2         |
| 8,100.0                                                               | 8,070.4               | 8,103.5               | 8,071.4               | 29.5             | 29.3          | -91.81                | 381.7                               | 177.6        | 64.6                   | 6.1                     | 58.45                     | 1.104              | Level 2         |
| 8,200.0                                                               | 8,170.4               | 8,203.5               | 8,171.4               | 29.8             | 29.6          | -91.81                | 381.7                               | 177.6        | 64.6                   | 5.4                     | 59.15                     | 1.091              | Level 2         |
| 8,278.6                                                               | 8,249.0               | 8,275.1               | 8,250.0               | 30.1             | 29.9          | -91.81                | 381.7                               | 177.6        | 64.6                   | 4.9                     | 59.68                     | 1.082              | Level 2         |
| 8,300.0                                                               | 8,270.4               | 8,303.5               | 8,271.4               | 30.2             | 30.0          | 97.61                 | 381.7                               | 177.6        | 64.6                   | 4.8                     | 59.86                     | 1.079              | Level 2         |
| 8,350.0                                                               | 8,320.3               | 8,346.3               | 8,321.3               | 30.3             | 30.1          | 101.06                | 381.7                               | 177.6        | 65.3                   | 5.1                     | 60.21                     | 1.084              | Level 2         |
| 8,400.0                                                               | 8,369.5               | 8,404.4               | 8,370.5               | 30.4             | 30.3          | 107.76                | 381.7                               | 177.6        | 67.4                   | 6.8                     | 60.64                     | 1.111              | Level 2         |
| 8,450.0                                                               | 8,417.9               | 8,444.0               | 8,418.9               | 30.6             | 30.5          | 116.64                | 381.7                               | 177.6        | 72.3                   | 11.3                    | 60.98                     | 1.186              | Level 2         |
| 8,500.0                                                               | 8,465.0               | 8,508.9               | 8,466.0               | 30.7             | 30.7          | 126.11                | 381.7                               | 177.6        | 81.5                   | 20.2                    | 61.34                     | 1.329              | Level 3         |
| 8,550.0                                                               | 8,510.4               | 8,536.5               | 8,511.4               | 30.8             | 30.8          | 134.72                | 381.7                               | 177.6        | 95.8                   | 34.3                    | 61.51                     | 1.558              |                 |
| 8,600.0                                                               | 8,553.8               | 8,579.9               | 8,554.8               | 30.9             | 31.0          | 141.77                | 381.7                               | 177.6        | 115.4                  | 53.7                    | 61.69                     | 1.871              |                 |
| 8,650.0                                                               | 8,595.0               | 8,621.0               | 8,596.0               | 30.9             | 31.1          | 147.15                | 381.7                               | 177.6        | 139.9                  | 78.1                    | 61.85                     | 2.262              |                 |
| 8,700.0                                                               | 8,633.5               | 8,659.5               | 8,634.5               | 31.0             | 31.2          | 151.08                | 381.7                               | 177.6        | 168.9                  | 106.9                   | 62.00                     | 2.724              |                 |
| 8,750.0                                                               | 8,669.0               | 8,704.9               | 8,670.0               | 31.1             | 31.4          | 153.81                | 381.7                               | 177.6        | 201.8                  | 139.7                   | 62.17                     | 3.247              |                 |
| 8,800.0                                                               | 8,701.4               | 8,727.5               | 8,702.4               | 31.1             | 31.5          | 155.55                | 381.7                               | 177.6        | 238.3                  | 176.0                   | 62.27                     | 3.827              |                 |
| 8,850.0                                                               | 8,730.3               | 8,756.4               | 8,731.3               | 31.1             | 31.6          | 156.41                | 381.7                               | 177.6        | 277.8                  | 215.4                   | 62.38                     | 4.452              |                 |
| 8,900.0                                                               | 8,755.6               | 8,781.6               | 8,756.6               | 31.2             | 31.7          | 156.38                | 381.7                               | 177.6        | 319.9                  | 257.4                   | 62.48                     | 5.119              |                 |
| 8,950.0                                                               | 8,777.0               | 8,803.1               | 8,778.0               | 31.2             | 31.7          | 155.31                | 381.7                               | 177.6        | 364.2                  | 301.7                   | 62.57                     | 5.822              |                 |
| 9,000.0                                                               | 8,794.4               | 8,820.4               | 8,795.4               | 31.3             | 31.8          | 152.75                | 381.7                               | 177.6        | 410.5                  | 347.8                   | 62.63                     | 6.554              |                 |
| 9,050.0                                                               | 8,807.6               | 8,833.7               | 8,808.6               | 31.4             | 31.8          | 147.61                | 381.7                               | 177.6        | 458.1                  | 395.5                   | 62.67                     | 7.310              |                 |
| 9,100.0                                                               | 8,816.6               | 8,842.7               | 8,817.6               | 31.5             | 31.9          | 137.02                | 381.7                               | 177.6        | 506.9                  | 444.2                   | 62.70                     | 8.084              |                 |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design Boros - Boros Federal #244H - 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  |          |
| 9,150.0                                                               | 8,821.2               | 8,847.3               | 8,822.2               | 31.7             | 31.9          | 113.27                | 381.7                               | 177.6        | 556.3                  | 493.6                   | 62.71                     | 8.871              |          |
| 9,178.6                                                               | 8,822.0               | 8,848.0               | 8,823.0               | 31.8             | 31.9          | 90.00                 | 381.7                               | 177.6        | 584.6                  | 521.9                   | 62.71                     | 9.323              |          |
| 9,200.0                                                               | 8,822.0               | 8,848.0               | 8,823.0               | 31.8             | 31.9          | 90.00                 | 381.7                               | 177.6        | 605.9                  | 543.2                   | 62.70                     | 9.664              |          |
| 9,300.0                                                               | 8,822.0               | 8,848.0               | 8,823.0               | 32.2             | 31.9          | 90.00                 | 381.7                               | 177.6        | 705.2                  | 642.5                   | 62.68                     | 11.250             |          |
| 9,400.0                                                               | 8,822.0               | 8,848.0               | 8,823.0               | 32.6             | 31.9          | 90.00                 | 381.7                               | 177.6        | 804.3                  | 741.6                   | 62.67                     | 12.833             |          |
| 9,500.0                                                               | 8,822.0               | 8,848.0               | 8,823.0               | 33.1             | 31.9          | 90.00                 | 381.7                               | 177.6        | 903.1                  | 840.4                   | 62.65                     | 14.413             |          |
| 9,600.0                                                               | 8,822.0               | 8,848.0               | 8,823.0               | 33.7             | 31.9          | 90.00                 | 381.7                               | 177.6        | 1,001.6                | 938.9                   | 62.64                     | 15.989             |          |
| 9,614.7                                                               | 8,822.0               | 8,848.0               | 8,823.0               | 33.8             | 31.9          | 90.00                 | 381.7                               | 177.6        | 1,016.1                | 953.5                   | 62.64                     | 16.221             |          |
| 9,700.0                                                               | 8,822.0               | 8,848.0               | 8,823.0               | 34.3             | 31.9          | 90.00                 | 381.7                               | 177.6        | 1,100.0                | 1,037.4                 | 62.63                     | 17.563             |          |
| 9,800.0                                                               | 8,822.0               | 8,848.0               | 8,823.0               | 35.0             | 31.9          | 90.00                 | 381.7                               | 177.6        | 1,198.7                | 1,136.1                 | 62.63                     | 19.141             |          |
| 9,900.0                                                               | 8,822.0               | 8,848.0               | 8,823.0               | 35.7             | 31.9          | 90.00                 | 381.7                               | 177.6        | 1,297.6                | 1,235.0                 | 62.63                     | 20.721             |          |
| 10,000.0                                                              | 8,822.0               | 8,848.0               | 8,823.0               | 36.5             | 31.9          | 90.00                 | 381.7                               | 177.6        | 1,396.7                | 1,334.1                 | 62.63                     | 22.302             |          |
| 10,100.0                                                              | 8,822.0               | 8,848.0               | 8,823.0               | 37.4             | 31.9          | 90.00                 | 381.7                               | 177.6        | 1,495.9                | 1,433.2                 | 62.63                     | 23.884             |          |
| 10,200.0                                                              | 8,822.0               | 8,848.0               | 8,823.0               | 38.3             | 31.9          | 90.00                 | 381.7                               | 177.6        | 1,595.2                | 1,532.5                 | 62.64                     | 25.467             |          |
| 10,300.0                                                              | 8,822.0               | 8,848.0               | 8,823.0               | 39.2             | 31.9          | 90.00                 | 381.7                               | 177.6        | 1,694.5                | 1,631.9                 | 62.64                     | 27.051             |          |
| 10,400.0                                                              | 8,822.0               | 8,848.0               | 8,823.0               | 40.2             | 31.9          | 90.00                 | 381.7                               | 177.6        | 1,794.0                | 1,731.3                 | 62.65                     | 28.634             |          |
| 10,500.0                                                              | 8,822.0               | 8,848.0               | 8,823.0               | 41.2             | 31.9          | 90.00                 | 381.7                               | 177.6        | 1,893.5                | 1,830.8                 | 62.66                     | 30.217             |          |
| 10,600.0                                                              | 8,822.0               | 8,848.0               | 8,823.0               | 42.3             | 31.9          | 90.00                 | 381.7                               | 177.6        | 1,993.0                | 1,930.3                 | 62.67                     | 31.799             |          |
| 10,700.0                                                              | 8,822.0               | 8,848.0               | 8,823.0               | 43.4             | 31.9          | 90.00                 | 381.7                               | 177.6        | 2,092.6                | 2,029.9                 | 62.69                     | 33.381             |          |
| 10,800.0                                                              | 8,822.0               | 8,848.0               | 8,823.0               | 44.6             | 31.9          | 90.00                 | 381.7                               | 177.6        | 2,192.2                | 2,129.5                 | 62.70                     | 34.962             |          |
| 10,900.0                                                              | 8,822.0               | 8,848.0               | 8,823.0               | 45.8             | 31.9          | 90.00                 | 381.7                               | 177.6        | 2,291.9                | 2,229.2                 | 62.72                     | 36.542             |          |
| 11,000.0                                                              | 8,822.0               | 8,848.0               | 8,823.0               | 47.0             | 31.9          | 90.00                 | 381.7                               | 177.6        | 2,391.6                | 2,328.8                 | 62.74                     | 38.121             |          |
| 11,100.0                                                              | 8,822.0               | 8,848.0               | 8,823.0               | 48.2             | 31.9          | 90.00                 | 381.7                               | 177.6        | 2,491.3                | 2,428.5                 | 62.76                     | 39.699             |          |
| 11,200.0                                                              | 8,822.0               | 8,848.0               | 8,823.0               | 49.4             | 31.9          | 90.00                 | 381.7                               | 177.6        | 2,591.0                | 2,528.3                 | 62.78                     | 41.275             |          |
| 11,300.0                                                              | 8,822.0               | 8,848.0               | 8,823.0               | 50.7             | 31.9          | 90.00                 | 381.7                               | 177.6        | 2,690.8                | 2,628.0                 | 62.80                     | 42.850             |          |
| 11,400.0                                                              | 8,822.0               | 8,848.0               | 8,823.0               | 52.0             | 31.9          | 90.00                 | 381.7                               | 177.6        | 2,790.6                | 2,727.7                 | 62.82                     | 44.423             |          |
| 11,500.0                                                              | 8,822.0               | 8,848.0               | 8,823.0               | 53.3             | 31.9          | 90.00                 | 381.7                               | 177.6        | 2,890.3                | 2,827.5                 | 62.84                     | 45.994             |          |
| 11,600.0                                                              | 8,822.0               | 8,848.0               | 8,823.0               | 54.7             | 31.9          | 90.00                 | 381.7                               | 177.6        | 2,990.1                | 2,927.3                 | 62.87                     | 47.564             |          |
| 11,700.0                                                              | 8,822.0               | 8,848.0               | 8,823.0               | 56.0             | 31.9          | 90.00                 | 381.7                               | 177.6        | 3,090.0                | 3,027.1                 | 62.89                     | 49.132             |          |
| 11,800.0                                                              | 8,822.0               | 8,848.1               | 8,823.0               | 57.4             | 31.9          | 90.00                 | 381.7                               | 177.6        | 3,189.8                | 3,126.9                 | 62.92                     | 50.698             |          |
| 11,900.0                                                              | 8,822.0               | 8,848.1               | 8,823.0               | 58.8             | 31.9          | 90.00                 | 381.7                               | 177.6        | 3,289.6                | 3,226.7                 | 62.94                     | 52.262             |          |
| 12,000.0                                                              | 8,822.0               | 8,848.1               | 8,823.0               | 60.1             | 31.9          | 90.00                 | 381.7                               | 177.6        | 3,389.5                | 3,326.5                 | 62.97                     | 53.824             |          |
| 12,100.0                                                              | 8,822.0               | 8,848.1               | 8,823.0               | 61.6             | 31.9          | 90.00                 | 381.7                               | 177.6        | 3,489.3                | 3,426.3                 | 63.00                     | 55.384             |          |
| 12,200.0                                                              | 8,822.0               | 8,848.1               | 8,823.0               | 63.0             | 31.9          | 90.00                 | 381.7                               | 177.6        | 3,589.2                | 3,526.2                 | 63.03                     | 56.941             |          |
| 12,300.0                                                              | 8,822.0               | 8,848.1               | 8,823.0               | 64.4             | 31.9          | 90.00                 | 381.7                               | 177.6        | 3,689.1                | 3,626.0                 | 63.06                     | 58.497             |          |
| 12,400.0                                                              | 8,822.0               | 8,848.1               | 8,823.0               | 65.8             | 31.9          | 90.01                 | 381.7                               | 177.6        | 3,788.9                | 3,725.8                 | 63.10                     | 60.049             |          |
| 12,500.0                                                              | 8,822.0               | 8,848.1               | 8,823.0               | 67.3             | 31.9          | 90.01                 | 381.7                               | 177.6        | 3,888.8                | 3,825.7                 | 63.13                     | 61.600             |          |
| 12,600.0                                                              | 8,822.0               | 8,848.1               | 8,823.0               | 68.7             | 31.9          | 90.01                 | 381.7                               | 177.6        | 3,988.7                | 3,925.6                 | 63.16                     | 63.148             |          |
| 12,700.0                                                              | 8,822.0               | 8,848.1               | 8,823.0               | 70.2             | 31.9          | 90.01                 | 381.7                               | 177.6        | 4,088.6                | 4,025.4                 | 63.20                     | 64.693             |          |
| 12,800.0                                                              | 8,822.0               | 8,848.1               | 8,823.0               | 71.7             | 31.9          | 90.01                 | 381.7                               | 177.6        | 4,188.5                | 4,125.3                 | 63.24                     | 66.235             |          |
| 12,900.0                                                              | 8,822.0               | 8,848.1               | 8,823.0               | 73.2             | 31.9          | 90.01                 | 381.7                               | 177.6        | 4,288.4                | 4,225.1                 | 63.27                     | 67.775             |          |
| 13,000.0                                                              | 8,822.0               | 8,848.1               | 8,823.0               | 74.7             | 31.9          | 90.01                 | 381.7                               | 177.6        | 4,388.3                | 4,325.0                 | 63.31                     | 69.312             |          |
| 13,100.0                                                              | 8,822.0               | 8,848.1               | 8,823.0               | 76.2             | 31.9          | 90.01                 | 381.7                               | 177.6        | 4,488.2                | 4,424.9                 | 63.35                     | 70.847             |          |
| 13,200.0                                                              | 8,822.0               | 8,848.1               | 8,823.0               | 77.7             | 31.9          | 90.01                 | 381.7                               | 177.6        | 4,588.2                | 4,524.8                 | 63.39                     | 72.378             |          |
| 13,300.0                                                              | 8,822.0               | 8,848.1               | 8,823.0               | 79.2             | 31.9          | 90.01                 | 381.7                               | 177.6        | 4,688.1                | 4,624.6                 | 63.43                     | 73.906             |          |
| 13,400.0                                                              | 8,822.0               | 8,848.1               | 8,823.0               | 80.7             | 31.9          | 90.01                 | 381.7                               | 177.6        | 4,788.0                | 4,724.5                 | 63.47                     | 75.432             |          |
| 13,500.0                                                              | 8,822.0               | 8,848.1               | 8,823.0               | 82.2             | 31.9          | 90.01                 | 381.7                               | 177.6        | 4,887.9                | 4,824.4                 | 63.52                     | 76.954             |          |
| 13,600.0                                                              | 8,822.0               | 18,508.8              | 13,736.0              | 83.7             | 91.1          | 176.36                | -4,603.4                            | 81.0         | 4,922.9                | 4,836.4                 | 86.53                     | 56.891             |          |
| 13,700.0                                                              | 8,822.0               | 18,608.8              | 13,736.0              | 85.2             | 92.5          | 176.36                | -4,703.4                            | 81.7         | 4,922.9                | 4,834.9                 | 87.97                     | 55.964             |          |
| 13,800.0                                                              | 8,822.0               | 18,708.8              | 13,736.0              | 86.8             | 93.9          | 176.36                | -4,803.4                            | 82.3         | 4,922.9                | 4,833.5                 | 89.40                     | 55.064             |          |
| 13,900.0                                                              | 8,822.0               | 18,808.8              | 13,736.0              | 88.3             | 95.3          | 176.36                | -4,903.4                            | 82.9         | 4,922.9                | 4,832.1                 | 90.85                     | 54.190             |          |
| 14,000.0                                                              | 8,822.0               | 18,908.8              | 13,736.0              | 89.9             | 96.7          | 176.36                | -5,003.4                            | 83.5         | 4,922.9                | 4,830.6                 | 92.29                     | 53.341             |          |

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 Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

| Offset Design Boros - Boros Federal #244H - 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  |          |
| 14,100.0                                                              | 8,822.0               | 19,008.8              | 13,736.0              | 91.4             | 98.2          | 176.36                | -5,103.4                            | 84.2         | 4,922.9                | 4,829.2                 | 93.74                     | 52.516             |          |
| 14,200.0                                                              | 8,822.0               | 19,108.8              | 13,736.0              | 92.9             | 99.6          | 176.36                | -5,203.4                            | 84.8         | 4,922.9                | 4,827.7                 | 95.20                     | 51.713             |          |
| 14,300.0                                                              | 8,822.0               | 19,208.8              | 13,736.0              | 94.5             | 101.0         | 176.36                | -5,303.4                            | 85.4         | 4,922.9                | 4,826.3                 | 96.65                     | 50.933             |          |
| 14,400.0                                                              | 8,822.0               | 19,308.8              | 13,736.0              | 96.0             | 102.5         | 176.36                | -5,403.4                            | 86.0         | 4,922.9                | 4,824.8                 | 98.12                     | 50.174             |          |
| 14,500.0                                                              | 8,822.0               | 19,408.8              | 13,736.0              | 97.6             | 103.9         | 176.36                | -5,503.4                            | 86.7         | 4,922.9                | 4,823.3                 | 99.58                     | 49.436             |          |
| 14,600.0                                                              | 8,822.0               | 19,508.8              | 13,736.0              | 99.2             | 105.4         | 176.36                | -5,603.4                            | 87.3         | 4,922.9                | 4,821.9                 | 101.05                    | 48.718             |          |
| 14,700.0                                                              | 8,822.0               | 19,608.8              | 13,736.0              | 100.7            | 106.9         | 176.36                | -5,703.4                            | 87.9         | 4,922.9                | 4,820.4                 | 102.52                    | 48.018             |          |
| 14,800.0                                                              | 8,822.0               | 19,708.8              | 13,736.0              | 102.3            | 108.3         | 176.36                | -5,803.4                            | 88.5         | 4,922.9                | 4,818.9                 | 104.00                    | 47.337             |          |
| 14,900.0                                                              | 8,822.0               | 19,808.8              | 13,736.0              | 103.9            | 109.8         | 176.37                | -5,903.4                            | 89.2         | 4,922.9                | 4,817.4                 | 105.47                    | 46.674             |          |
| 15,000.0                                                              | 8,822.0               | 19,908.8              | 13,736.0              | 105.4            | 111.3         | 176.37                | -6,003.4                            | 89.8         | 4,922.9                | 4,815.9                 | 106.95                    | 46.028             |          |
| 15,100.0                                                              | 8,822.0               | 20,008.8              | 13,736.0              | 107.0            | 112.8         | 176.37                | -6,103.4                            | 90.4         | 4,922.9                | 4,814.5                 | 108.44                    | 45.399             |          |
| 15,200.0                                                              | 8,822.0               | 20,108.8              | 13,736.0              | 108.6            | 114.3         | 176.37                | -6,203.4                            | 91.0         | 4,922.9                | 4,813.0                 | 109.92                    | 44.785             |          |
| 15,300.0                                                              | 8,822.0               | 20,208.8              | 13,736.0              | 110.2            | 115.8         | 176.37                | -6,303.4                            | 91.7         | 4,922.9                | 4,811.5                 | 111.41                    | 44.187             |          |
| 15,400.0                                                              | 8,822.0               | 20,308.8              | 13,736.0              | 111.7            | 117.3         | 176.37                | -6,403.4                            | 92.3         | 4,922.9                | 4,810.0                 | 112.90                    | 43.603             |          |
| 15,500.0                                                              | 8,822.0               | 20,408.8              | 13,736.0              | 113.3            | 118.8         | 176.37                | -6,503.4                            | 92.9         | 4,922.9                | 4,808.5                 | 114.39                    | 43.034             |          |
| 15,600.0                                                              | 8,822.0               | 20,508.8              | 13,736.0              | 114.9            | 120.3         | 176.37                | -6,603.4                            | 93.5         | 4,922.9                | 4,807.0                 | 115.89                    | 42.479             |          |
| 15,700.0                                                              | 8,822.0               | 20,608.8              | 13,736.0              | 116.5            | 121.8         | 176.37                | -6,703.4                            | 94.2         | 4,922.9                | 4,805.5                 | 117.39                    | 41.937             |          |
| 15,800.0                                                              | 8,822.0               | 20,708.8              | 13,736.0              | 118.1            | 123.3         | 176.37                | -6,803.4                            | 94.8         | 4,922.9                | 4,804.0                 | 118.89                    | 41.408             |          |
| 15,900.0                                                              | 8,822.0               | 20,808.8              | 13,736.0              | 119.7            | 124.8         | 176.37                | -6,903.4                            | 95.4         | 4,922.9                | 4,802.5                 | 120.39                    | 40.892             |          |
| 16,000.0                                                              | 8,822.0               | 20,908.8              | 13,736.0              | 121.3            | 126.4         | 176.37                | -7,003.4                            | 96.0         | 4,922.9                | 4,801.0                 | 121.89                    | 40.388             |          |
| 16,100.0                                                              | 8,822.0               | 21,008.8              | 13,736.0              | 122.8            | 127.9         | 176.37                | -7,103.4                            | 96.7         | 4,922.9                | 4,799.5                 | 123.40                    | 39.895             |          |
| 16,200.0                                                              | 8,822.0               | 21,108.8              | 13,736.0              | 124.4            | 129.4         | 176.37                | -7,203.4                            | 97.3         | 4,922.9                | 4,798.0                 | 124.90                    | 39.413             |          |
| 16,300.0                                                              | 8,822.0               | 21,208.8              | 13,736.0              | 126.0            | 131.0         | 176.37                | -7,303.4                            | 97.9         | 4,922.9                | 4,796.5                 | 126.41                    | 38.943             |          |
| 16,400.0                                                              | 8,822.0               | 21,308.8              | 13,736.0              | 127.6            | 132.5         | 176.37                | -7,403.4                            | 98.5         | 4,922.9                | 4,795.0                 | 127.92                    | 38.483             |          |
| 16,500.0                                                              | 8,822.0               | 21,408.8              | 13,736.0              | 129.2            | 134.0         | 176.37                | -7,503.4                            | 99.2         | 4,922.9                | 4,793.5                 | 129.44                    | 38.034             |          |
| 16,600.0                                                              | 8,822.0               | 21,508.8              | 13,736.0              | 130.8            | 135.6         | 176.37                | -7,603.4                            | 99.8         | 4,922.9                | 4,792.0                 | 130.95                    | 37.594             |          |
| 16,700.0                                                              | 8,822.0               | 21,608.8              | 13,736.0              | 132.4            | 137.1         | 176.37                | -7,703.4                            | 100.4        | 4,922.9                | 4,790.4                 | 132.46                    | 37.164             |          |
| 16,800.0                                                              | 8,822.0               | 21,708.8              | 13,736.0              | 134.0            | 138.7         | 176.37                | -7,803.4                            | 101.0        | 4,922.9                | 4,788.9                 | 133.98                    | 36.743             |          |
| 16,900.0                                                              | 8,822.0               | 21,808.8              | 13,736.0              | 135.6            | 140.2         | 176.37                | -7,903.4                            | 101.7        | 4,922.9                | 4,787.4                 | 135.50                    | 36.332             |          |
| 17,000.0                                                              | 8,822.0               | 21,908.8              | 13,736.0              | 137.2            | 141.8         | 176.37                | -8,003.3                            | 102.3        | 4,922.9                | 4,785.9                 | 137.02                    | 35.929             |          |
| 17,100.0                                                              | 8,822.0               | 22,008.8              | 13,736.0              | 138.8            | 143.3         | 176.37                | -8,103.3                            | 102.9        | 4,922.9                | 4,784.4                 | 138.54                    | 35.534             |          |
| 17,200.0                                                              | 8,822.0               | 22,108.8              | 13,736.0              | 140.4            | 144.9         | 176.37                | -8,203.3                            | 103.5        | 4,922.9                | 4,782.8                 | 140.06                    | 35.148             |          |
| 17,300.0                                                              | 8,822.0               | 22,208.8              | 13,736.0              | 142.0            | 146.4         | 176.37                | -8,303.3                            | 104.1        | 4,922.9                | 4,781.3                 | 141.58                    | 34.770             |          |
| 17,400.0                                                              | 8,822.0               | 22,308.8              | 13,736.0              | 143.7            | 148.0         | 176.37                | -8,403.3                            | 104.8        | 4,922.9                | 4,779.8                 | 143.11                    | 34.400             |          |
| 17,500.0                                                              | 8,822.0               | 22,408.8              | 13,736.0              | 145.3            | 149.5         | 176.37                | -8,503.3                            | 105.4        | 4,922.9                | 4,778.3                 | 144.63                    | 34.037             |          |
| 17,600.0                                                              | 8,822.0               | 22,508.8              | 13,736.0              | 146.9            | 151.1         | 176.37                | -8,603.3                            | 106.0        | 4,922.9                | 4,776.7                 | 146.16                    | 33.681             |          |
| 17,700.0                                                              | 8,822.0               | 22,608.8              | 13,736.0              | 148.5            | 152.7         | 176.37                | -8,703.3                            | 106.6        | 4,922.9                | 4,775.2                 | 147.69                    | 33.333             |          |
| 17,800.0                                                              | 8,822.0               | 22,708.8              | 13,736.0              | 150.1            | 154.2         | 176.37                | -8,803.3                            | 107.3        | 4,922.9                | 4,773.7                 | 149.22                    | 32.991             |          |
| 17,900.0                                                              | 8,822.0               | 22,808.8              | 13,736.0              | 151.7            | 155.8         | 176.37                | -8,903.3                            | 107.9        | 4,922.9                | 4,772.2                 | 150.75                    | 32.656             |          |
| 18,000.0                                                              | 8,822.0               | 22,908.8              | 13,736.0              | 153.3            | 157.4         | 176.37                | -9,003.3                            | 108.5        | 4,922.9                | 4,770.6                 | 152.28                    | 32.328             |          |
| 18,100.0                                                              | 8,822.0               | 23,008.8              | 13,736.0              | 154.9            | 158.9         | 176.37                | -9,103.3                            | 109.1        | 4,922.9                | 4,769.1                 | 153.81                    | 32.006             |          |
| 18,200.0                                                              | 8,822.0               | 23,108.8              | 13,736.0              | 156.5            | 160.5         | 176.37                | -9,203.3                            | 109.8        | 4,922.9                | 4,767.6                 | 155.34                    | 31.690             |          |
| 18,300.0                                                              | 8,822.0               | 23,208.8              | 13,736.0              | 158.2            | 162.1         | 176.37                | -9,303.3                            | 110.4        | 4,922.9                | 4,766.0                 | 156.88                    | 31.380             |          |
| 18,400.0                                                              | 8,822.0               | 23,308.8              | 13,736.0              | 159.8            | 163.7         | 176.37                | -9,403.3                            | 111.0        | 4,922.9                | 4,764.5                 | 158.41                    | 31.076             |          |
| 18,500.0                                                              | 8,822.0               | 23,408.8              | 13,736.0              | 161.4            | 165.2         | 176.37                | -9,503.3                            | 111.6        | 4,922.9                | 4,762.9                 | 159.95                    | 30.778             |          |
| 18,600.0                                                              | 8,822.0               | 23,508.8              | 13,736.0              | 163.0            | 166.8         | 176.37                | -9,603.3                            | 112.3        | 4,922.9                | 4,761.4                 | 161.49                    | 30.485             |          |
| 18,700.0                                                              | 8,822.0               | 23,608.8              | 13,736.0              | 164.6            | 168.4         | 176.37                | -9,703.3                            | 112.9        | 4,922.9                | 4,759.9                 | 163.02                    | 30.198             |          |
| 18,800.0                                                              | 8,822.0               | 23,708.8              | 13,736.0              | 166.2            | 170.0         | 176.37                | -9,803.3                            | 113.5        | 4,922.9                | 4,758.3                 | 164.56                    | 29.915             |          |
| 18,900.0                                                              | 8,822.0               | 23,808.8              | 13,736.0              | 167.9            | 171.6         | 176.37                | -9,903.3                            | 114.1        | 4,922.9                | 4,756.8                 | 166.10                    | 29.638             |          |
| 19,000.0                                                              | 8,822.0               | 23,908.8              | 13,736.0              | 169.5            | 173.2         | 176.37                | -10,003.3                           | 114.8        | 4,922.9                | 4,755.3                 | 167.64                    | 29.366             |          |
| 19,100.0                                                              | 8,822.0               | 24,008.8              | 13,736.0              | 171.1            | 174.7         | 176.37                | -10,103.3                           | 115.4        | 4,922.9                | 4,753.7                 | 169.18                    | 29.099             |          |
| 19,129.9                                                              | 8,822.0               | 24,038.7              | 13,736.0              | 171.6            | 175.2         | 176.37                | -10,133.2                           | 115.6        | 4,922.9                | 4,753.3                 | 169.64                    | 29.020             |          |

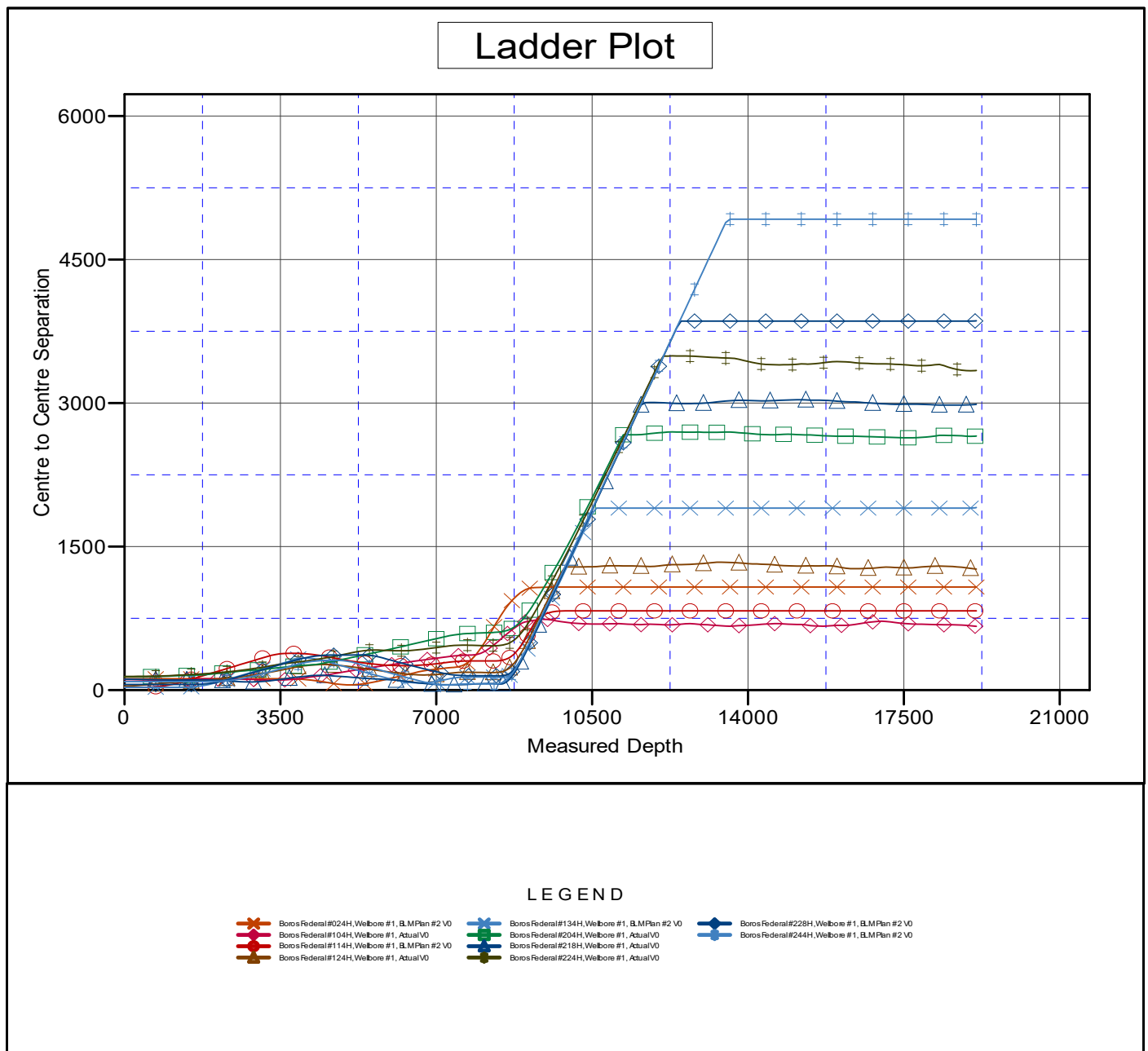
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

## Anticollision Report

|                           |                            |                                     |                          |
|---------------------------|----------------------------|-------------------------------------|--------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

Reference Depths are relative to KB @ 3246.5usft  
Offset Depths are relative to Offset Datum  
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Boros Federal #108H  
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30  
Grid Convergence at Surface is: 0.30°



## Anticollision Report

|                           |                            |                                     |                          |
|---------------------------|----------------------------|-------------------------------------|--------------------------|
| <b>Company:</b>           | Matador Production Company | <b>Local Co-ordinate Reference:</b> | Well Boros Federal #108H |
| <b>Project:</b>           | Rustler Breaks             | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Reference Site:</b>    | Boros                      | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site Error:</b>        | 0.0 usft                   | <b>North Reference:</b>             | Grid                     |
| <b>Reference Well:</b>    | Boros Federal #108H        | <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 Server       |
| <b>Reference Design:</b>  | BLM Plan #2                | <b>Offset TVD Reference:</b>        | Offset Datum             |

Reference Depths are relative to KB @ 3246.5usft

Offset Depths are relative to Offset Datum

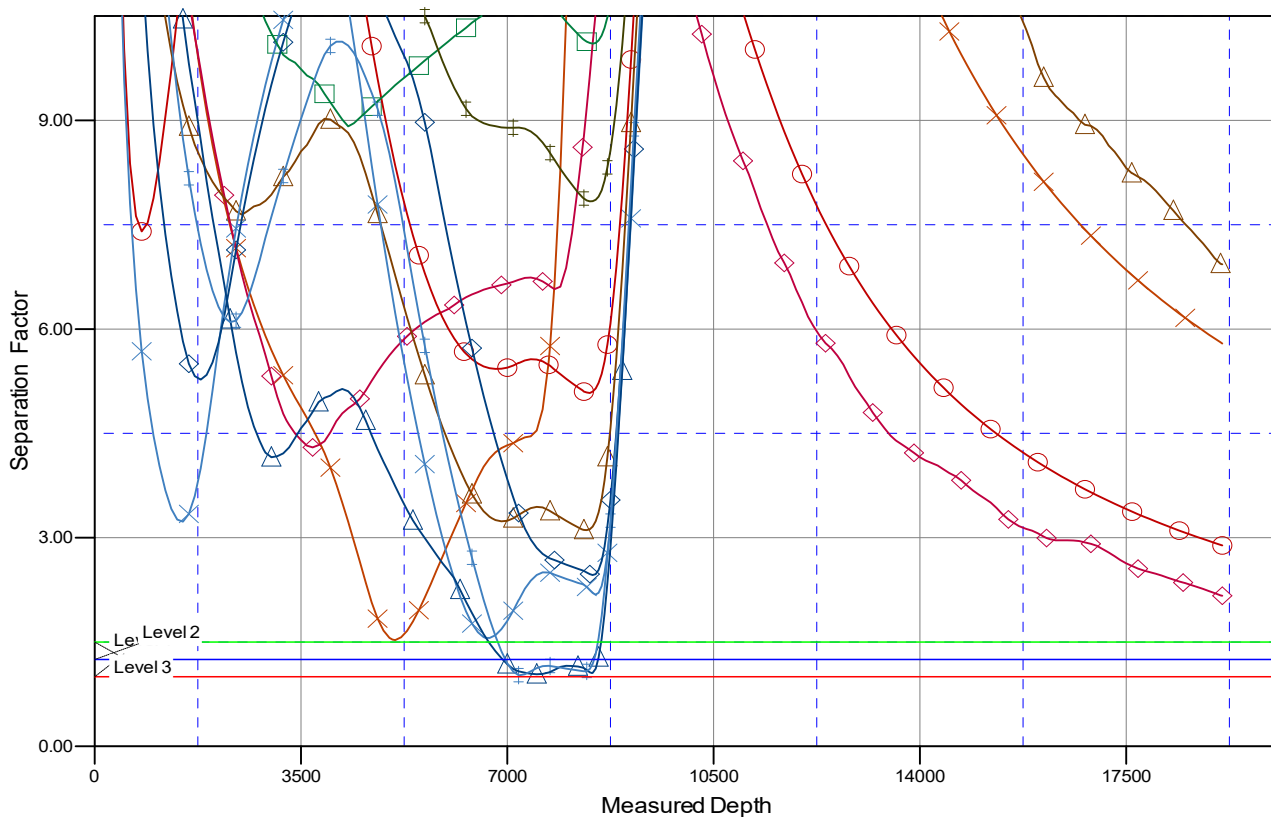
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: Boros Federal #108H

Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30

Grid Convergence at Surface is: 0.30°

### Separation Factor Plot



#### LEGEND

|                                                  |                                                  |                                                  |
|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| Boros Federal #224H, Wellbore #1, BLM Plan #2 V0 | Boros Federal #134H, Wellbore #1, BLM Plan #2 V0 | Boros Federal #228H, Wellbore #1, BLM Plan #2 V0 |
| Boros Federal #104H, Wellbore #1, Actual V0      | Boros Federal #204H, Wellbore #1, Actual V0      | Boros Federal #244H, Wellbore #1, BLM Plan #2 V0 |
| Boros Federal #114H, Wellbore #1, BLM Plan #2 V0 | Boros Federal #218H, Wellbore #1, Actual V0      |                                                  |
| Boros Federal #124H, Wellbore #1, Actual V0      | Boros Federal #224H, Wellbore #1, Actual V0      |                                                  |



SURVEY PROGRAM

WELL DETAILS: Boros Federal #108H

|            |          |                           |      |       |       |             |                 |                 |                   |      |
|------------|----------|---------------------------|------|-------|-------|-------------|-----------------|-----------------|-------------------|------|
| Depth From | Depth To | Survey/Plan               | Tool |       |       | GL @ 3218.0 | KB @ 3246.5usft |                 |                   |      |
| 0.0        | 19129.9  | BLM Plan #2 (Wellbore #1) | MWD  | +N/-S | +E/-W | Northing    | Easting         | Latitude        | Longitude         | Slot |
|            |          |                           |      | 0.0   | 0.0   | 381964.28   | 677872.90       | 32° 2' 55.805 N | 103° 45' 33.263 W |      |

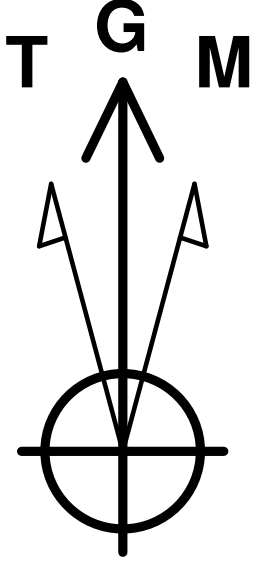
Company: Matador Production Company  
Well: Boros Federal #108H  
County: Eddy County, New Mexico  
Wellbore: Wellbore #1  
Plan: BLM Plan #2  
Date: 8/11/2020

DESIGN TARGET DETAILS

|                           |        |          |       |           |           |                 |                   |
|---------------------------|--------|----------|-------|-----------|-----------|-----------------|-------------------|
| Name                      | TVD    | +N/-S    | +E/-W | Northing  | Easting   | Latitude        | Longitude         |
| VP - Boros Federal #108H  | 8249.0 | 383.8    | 242.1 | 382348.00 | 678115.00 | 32° 2' 59.590 N | 103° 45' 30.426 W |
| BHL - Boros Federal #108H | 8822.0 | -10131.2 | 427.6 | 371832.94 | 678300.47 | 32° 1' 15.521 N | 103° 45' 28.922 W |

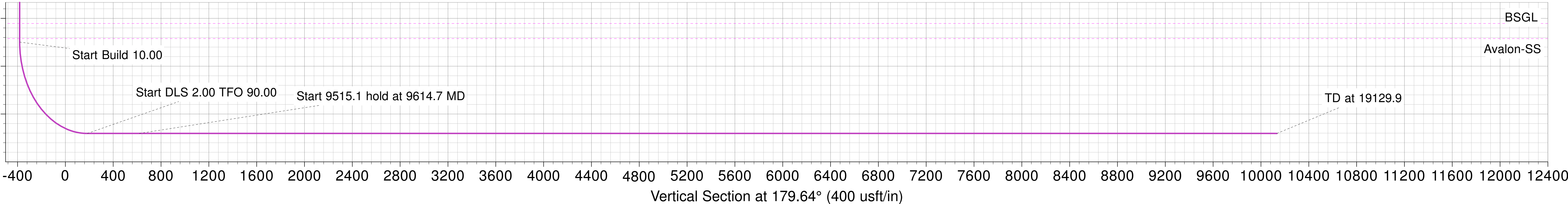
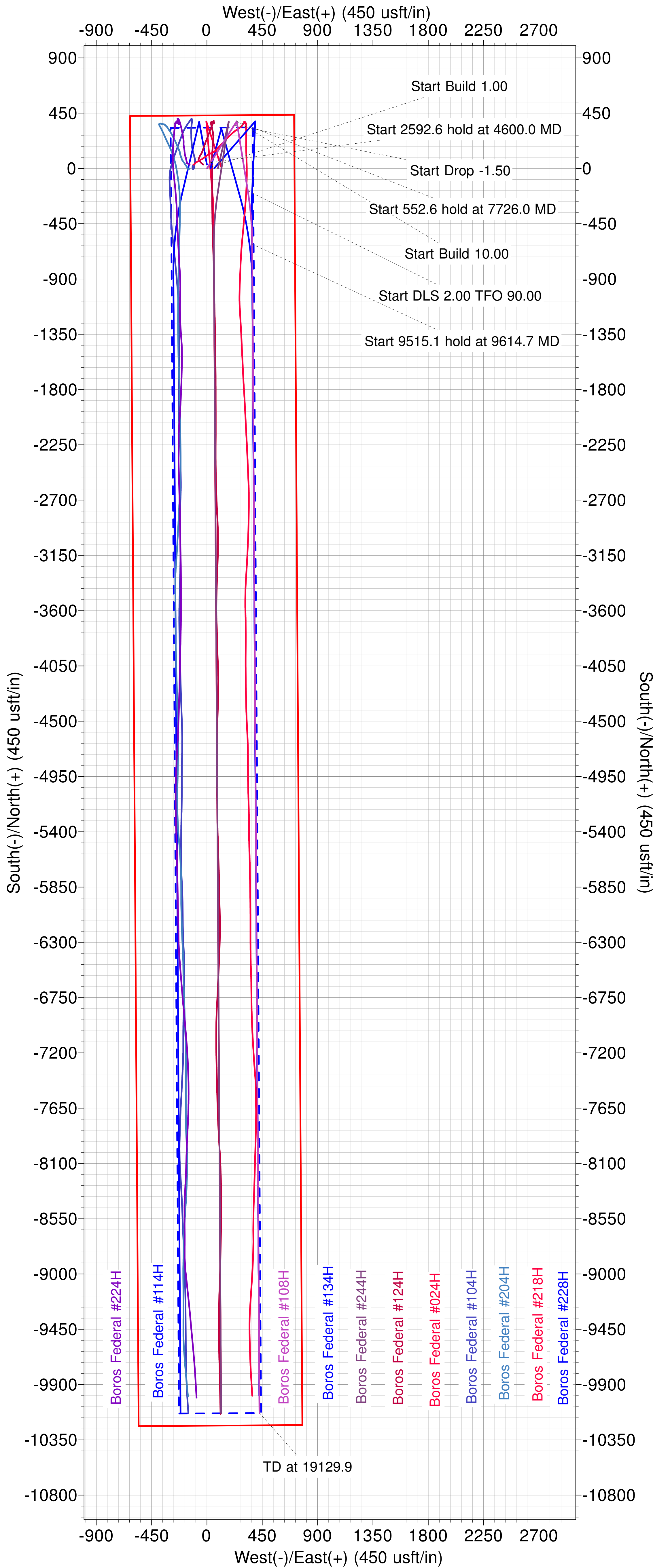
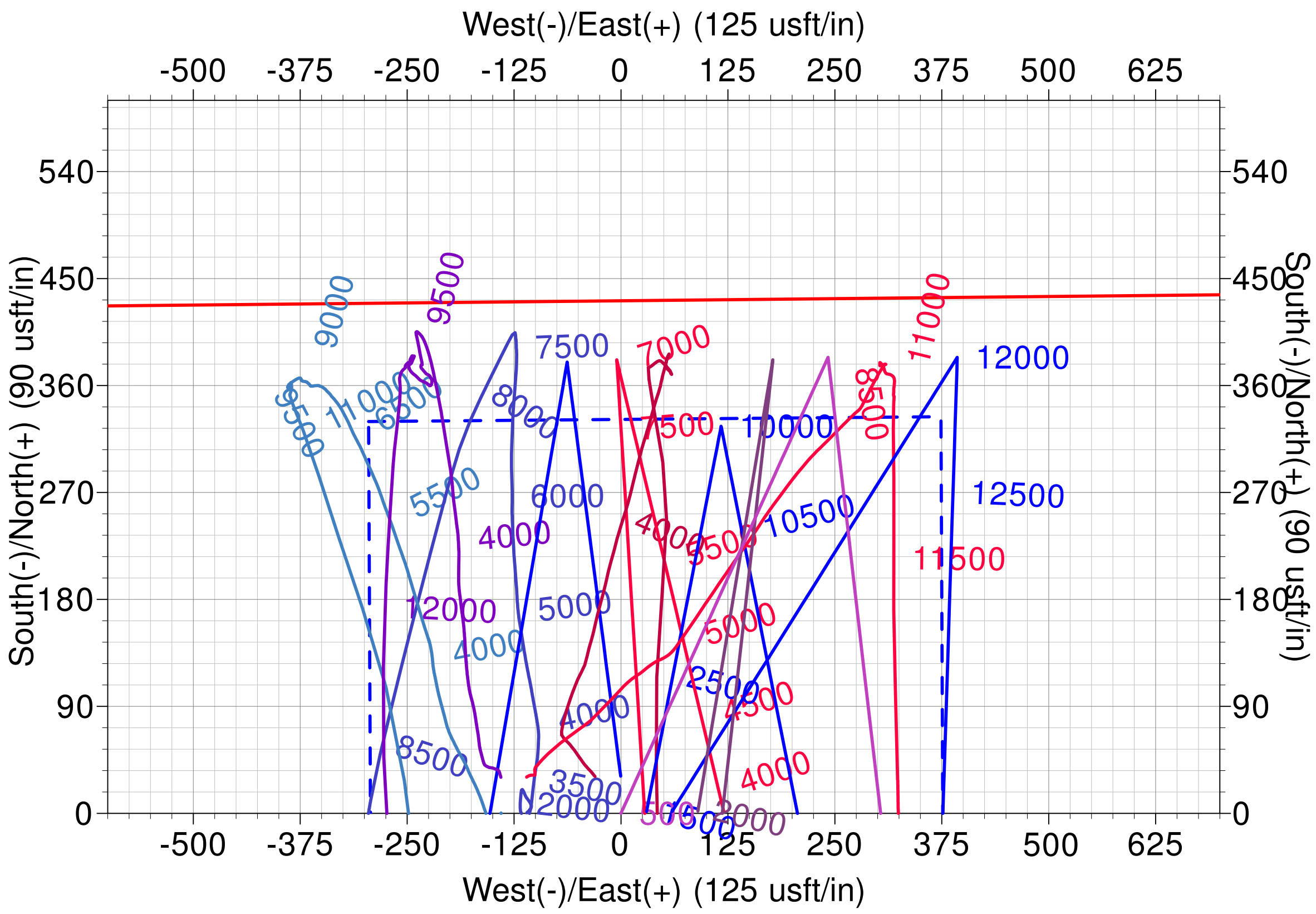
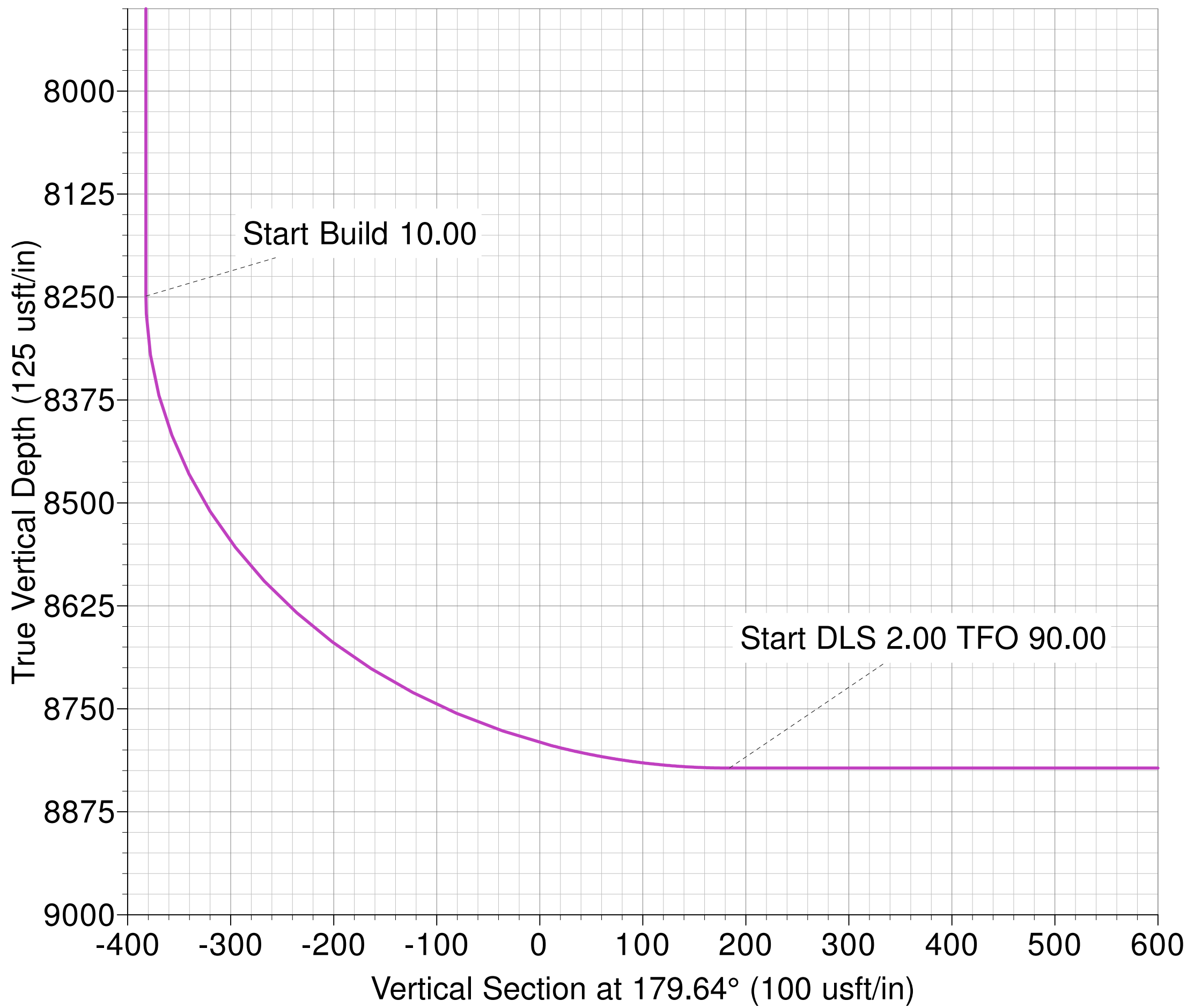
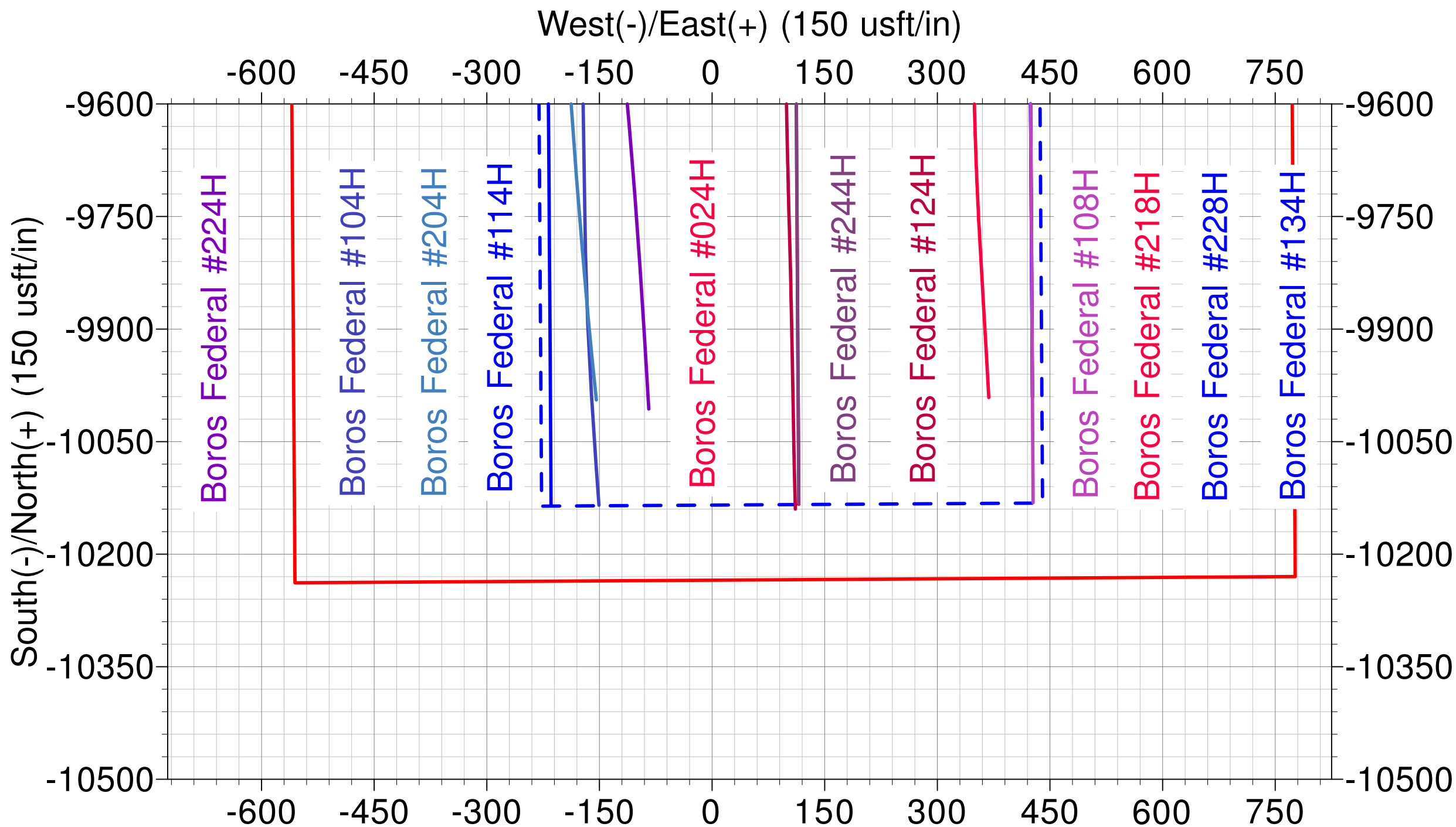
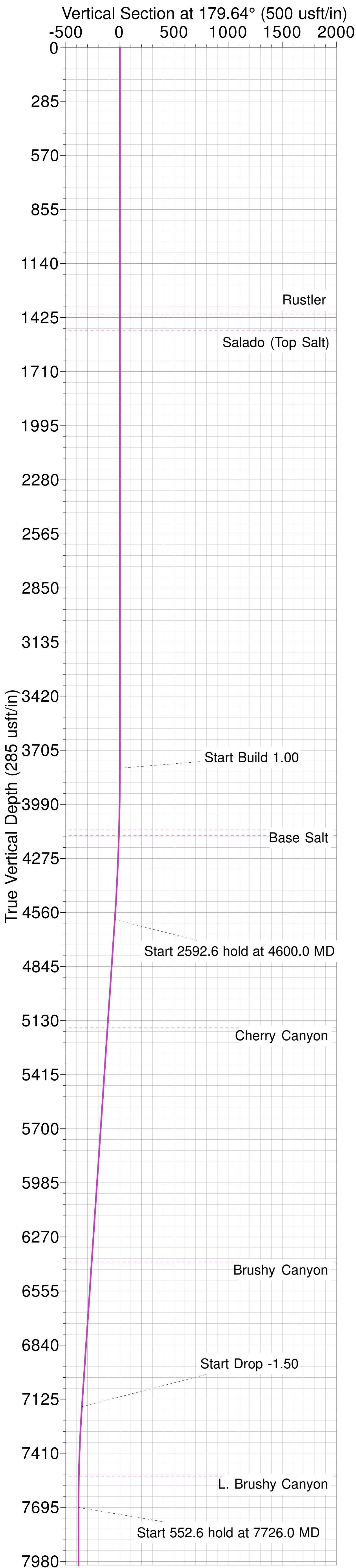
SECTION DETAILS

|         |       |        |        |          |       |       |        |         |                                |
|---------|-------|--------|--------|----------|-------|-------|--------|---------|--------------------------------|
| 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 1.00               |
| 4600.0  | 8.00  | 32.25  | 4597.4 | 47.2     | 29.8  | 1.00  | 32.25  | -47.0   | Start 2592.6 hold at 4600.0 MD |
| 7192.6  | 8.00  | 32.25  | 7164.8 | 352.3    | 222.3 | 0.00  | 0.00   | -350.9  | Start Drop -1.50               |
| 7726.0  | 0.00  | 0.00   | 7696.4 | 383.8    | 242.1 | 1.50  | 180.00 | -382.2  | Start 552.6 hold at 7726.0 MD  |
| 8278.6  | 0.00  | 0.00   | 8249.0 | 383.8    | 242.1 | 0.00  | 0.00   | -382.2  | Start Build 10.00              |
| 9178.6  | 90.00 | 170.92 | 8822.0 | -182.0   | 332.6 | 10.00 | 170.92 | 184.1   | Start DLS 2.00 TFO 90.00       |
| 9614.7  | 90.00 | 179.64 | 8822.0 | -616.3   | 368.4 | 2.00  | 90.00  | 618.6   | Start 9515.1 hold at 9614.7 MD |
| 19129.9 | 90.00 | 179.64 | 8822.0 | -10131.2 | 427.6 | 0.00  | 0.00   | 10133.7 | TD at 19129.9                  |



Azimuths to Grid North  
True North: -0.30°  
Magnetic North: 7.52°

Magnetic Field  
Strength: 48667.4snT  
Dip Angle: 60.04°  
Date: 12/31/2009  
Model: IGRF200510



# **Matador Production Company**

**Rustler Breaks**

**Boros**

**Boros Federal #108H**

**Wellbore #1**

**Plan: BLM Plan #2**

## **Standard Planning Report**

**12 August, 2020**

## Planning Report

|                  |                            |                                     |                          |
|------------------|----------------------------|-------------------------------------|--------------------------|
| <b>Database:</b> | EDM 5000.14 Server         | <b>Local Co-ordinate Reference:</b> | Well Boros Federal #108H |
| <b>Company:</b>  | Matador Production Company | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Project:</b>  | Rustler Breaks             | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site:</b>     | Boros                      | <b>North Reference:</b>             | Grid                     |
| <b>Well:</b>     | Boros Federal #108H        | <b>Survey Calculation Method:</b>   | Minimum Curvature        |
| <b>Wellbore:</b> | Wellbore #1                |                                     |                          |
| <b>Design:</b>   | BLM Plan #2                |                                     |                          |

|                    |                                      |                      |                             |
|--------------------|--------------------------------------|----------------------|-----------------------------|
| <b>Project</b>     | Rustler Breaks                       |                      |                             |
| <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                 |                      | Using geodetic scale factor |

| Site                    |          | Boros                 |                 |              |                   |
|-------------------------|----------|-----------------------|-----------------|--------------|-------------------|
| Site Position:<br>From: | Lat/Long | Northing:             | 381,953.36 usft | Latitude:    | 32° 2' 55.786 N   |
|                         |          | Easting:              | 676,179.89 usft | Longitude:   | 103° 45' 52.934 W |
|                         |          | Position Uncertainty: | 0.0 usft        | Slot Radius: | 13-3/16 "         |

|                      |                     |              |                     |                 |               |                   |
|----------------------|---------------------|--------------|---------------------|-----------------|---------------|-------------------|
| Well                 | Boros Federal #108H |              |                     |                 |               |                   |
| Well Position        | +N/-S               | 10.9 usft    | Northing:           | 381,964.28 usft | Latitude:     | 32° 2' 55.805 N   |
|                      | +E/-W               | 1,693.1 usft | Easting:            | 677,872.89 usft | Longitude:    | 103° 45' 33.263 W |
| Position Uncertainty |                     | 0.0 usft     | Wellhead Elevation: |                 | Ground Level: | 3,218.0 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> |
|                  | IGRF200510        | 12/31/2009         | 7.82                   | 60.04                | 48,667.44858889            |

|                   |                            |                 |                 |                  |     |
|-------------------|----------------------------|-----------------|-----------------|------------------|-----|
| Design            | BLM Plan #2                |                 |                 |                  |     |
| Audit Notes:      |                            |                 |                 |                  |     |
| Version:          | 1                          | Phase:          | PROTOTYPE       | Tie On Depth:    | 0.0 |
| Vertical Section: | Depth From (TVD)<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Direction<br>(°) |     |
|                   | 0.0                        | 0.0             | 0.0             | 179.64           |     |

|                                 |                        |                          |                           |                     |  |
|---------------------------------|------------------------|--------------------------|---------------------------|---------------------|--|
| <b>Plan Survey Tool Program</b> | <b>Date</b>            | 8/12/2020                |                           |                     |  |
| <b>Depth From (usft)</b>        | <b>Depth To (usft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b>          | <b>Remarks</b>      |  |
| 1                               | 0.0                    | 19,129.9                 | BLM Plan #2 (Wellbore #1) | MWD                 |  |
|                                 |                        |                          |                           | OWSG MWD - Standard |  |

|                              |                        |                    |                              |                     |                     |                                |                               |                              |                |                     |
|------------------------------|------------------------|--------------------|------------------------------|---------------------|---------------------|--------------------------------|-------------------------------|------------------------------|----------------|---------------------|
| <b>Plan Sections</b>         |                        |                    |                              |                     |                     |                                |                               |                              |                |                     |
| <b>Measured Depth (usft)</b> | <b>Inclination (°)</b> | <b>Azimuth (°)</b> | <b>Vertical Depth (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Dogleg Rate (°/100usft)</b> | <b>Build Rate (°/100usft)</b> | <b>Turn Rate (°/100usft)</b> | <b>TFO (°)</b> | <b>Target</b>       |
| 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           |                     |
| 4,600.0                      | 8.00                   | 32.25              | 4,597.4                      | 47.2                | 29.8                | 1.00                           | 1.00                          | 0.00                         | 32.25          |                     |
| 7,192.6                      | 8.00                   | 32.25              | 7,164.8                      | 352.3               | 222.3               | 0.00                           | 0.00                          | 0.00                         | 0.00           |                     |
| 7,726.0                      | 0.00                   | 0.00               | 7,696.4                      | 383.8               | 242.1               | 1.50                           | -1.50                         | 0.00                         | 180.00         |                     |
| 8,278.6                      | 0.00                   | 0.00               | 8,249.0                      | 383.8               | 242.1               | 0.00                           | 0.00                          | 0.00                         | 0.00           | VP - Boros Federal  |
| 9,178.6                      | 90.00                  | 170.92             | 8,822.0                      | -182.0              | 332.6               | 10.00                          | 10.00                         | 0.00                         | 170.92         |                     |
| 9,614.7                      | 90.00                  | 179.64             | 8,822.0                      | -616.3              | 368.4               | 2.00                           | 0.00                          | 2.00                         | 90.00          |                     |
| 19,129.9                     | 90.00                  | 179.64             | 8,822.0                      | -10,131.2           | 427.6               | 0.00                           | 0.00                          | 0.00                         | 0.00           | BHL - Boros Federal |

# Planning Report

|                  |                            |                                     |                          |
|------------------|----------------------------|-------------------------------------|--------------------------|
| <b>Database:</b> | EDM 5000.14 Server         | <b>Local Co-ordinate Reference:</b> | Well Boros Federal #108H |
| <b>Company:</b>  | Matador Production Company | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Project:</b>  | Rustler Breaks             | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site:</b>     | Boros                      | <b>North Reference:</b>             | Grid                     |
| <b>Well:</b>     | Boros Federal #108H        | <b>Survey Calculation Method:</b>   | Minimum Curvature        |
| <b>Wellbore:</b> | Wellbore #1                |                                     |                          |
| <b>Design:</b>   | BLM Plan #2                |                                     |                          |

| 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                  |
| 1,406.0                  | 0.00            | 0.00        | 1,406.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| <b>Rustler</b>           |                 |             |                       |              |              |                         |                         |                        |                       |
| 1,494.0                  | 0.00            | 0.00        | 1,494.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| <b>Salado (Top Salt)</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 1,500.0                  | 0.00            | 0.00        | 1,500.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 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                  |
| 2,100.0                  | 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                  |
| 3,300.0                  | 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                  |
| 3,800.0                  | 0.00            | 0.00        | 3,800.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| <b>Start Build 1.00</b>  |                 |             |                       |              |              |                         |                         |                        |                       |
| 3,900.0                  | 1.00            | 32.25       | 3,900.0               | 0.7          | 0.5          | -0.7                    | 1.00                    | 1.00                   | 0.00                  |
| 4,000.0                  | 2.00            | 32.25       | 4,000.0               | 3.0          | 1.9          | -2.9                    | 1.00                    | 1.00                   | 0.00                  |
| 4,100.0                  | 3.00            | 32.25       | 4,099.9               | 6.6          | 4.2          | -6.6                    | 1.00                    | 1.00                   | 0.00                  |
| 4,125.2                  | 3.25            | 32.25       | 4,125.0               | 7.8          | 4.9          | -7.8                    | 1.00                    | 1.00                   | 0.00                  |
| <b>Base Salt</b>         |                 |             |                       |              |              |                         |                         |                        |                       |
| 4,155.2                  | 3.55            | 32.25       | 4,155.0               | 9.3          | 5.9          | -9.3                    | 1.00                    | 1.00                   | 0.00                  |
| <b>Bell Canyon</b>       |                 |             |                       |              |              |                         |                         |                        |                       |
| 4,200.0                  | 4.00            | 32.25       | 4,199.7               | 11.8         | 7.4          | -11.8                   | 1.00                    | 1.00                   | 0.00                  |
| 4,300.0                  | 5.00            | 32.25       | 4,299.4               | 18.4         | 11.6         | -18.4                   | 1.00                    | 1.00                   | 0.00                  |

# Planning Report

|                  |                            |                                     |                          |
|------------------|----------------------------|-------------------------------------|--------------------------|
| <b>Database:</b> | EDM 5000.14 Server         | <b>Local Co-ordinate Reference:</b> | Well Boros Federal #108H |
| <b>Company:</b>  | Matador Production Company | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Project:</b>  | Rustler Breaks             | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site:</b>     | Boros                      | <b>North Reference:</b>             | Grid                     |
| <b>Well:</b>     | Boros Federal #108H        | <b>Survey Calculation Method:</b>   | Minimum Curvature        |
| <b>Wellbore:</b> | Wellbore #1                |                                     |                          |
| <b>Design:</b>   | BLM Plan #2                |                                     |                          |

| 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) |
| 4,400.0                               | 6.00            | 32.25       | 4,398.9               | 26.5         | 16.7         | -26.4                   | 1.00                    | 1.00                   | 0.00                  |
| 4,500.0                               | 7.00            | 32.25       | 4,498.3               | 36.1         | 22.8         | -36.0                   | 1.00                    | 1.00                   | 0.00                  |
| 4,600.0                               | 8.00            | 32.25       | 4,597.4               | 47.2         | 29.8         | -47.0                   | 1.00                    | 1.00                   | 0.00                  |
| <b>Start 2592.6 hold at 4600.0 MD</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 4,700.0                               | 8.00            | 32.25       | 4,696.4               | 58.9         | 37.2         | -58.7                   | 0.00                    | 0.00                   | 0.00                  |
| 4,800.0                               | 8.00            | 32.25       | 4,795.5               | 70.7         | 44.6         | -70.4                   | 0.00                    | 0.00                   | 0.00                  |
| 4,900.0                               | 8.00            | 32.25       | 4,894.5               | 82.5         | 52.0         | -82.1                   | 0.00                    | 0.00                   | 0.00                  |
| 5,000.0                               | 8.00            | 32.25       | 4,993.5               | 94.2         | 59.5         | -93.9                   | 0.00                    | 0.00                   | 0.00                  |
| 5,100.0                               | 8.00            | 32.25       | 5,092.5               | 106.0        | 66.9         | -105.6                  | 0.00                    | 0.00                   | 0.00                  |
| 5,176.2                               | 8.00            | 32.25       | 5,168.0               | 115.0        | 72.5         | -114.5                  | 0.00                    | 0.00                   | 0.00                  |
| <b>Cherry Canyon</b>                  |                 |             |                       |              |              |                         |                         |                        |                       |
| 5,200.0                               | 8.00            | 32.25       | 5,191.6               | 117.8        | 74.3         | -117.3                  | 0.00                    | 0.00                   | 0.00                  |
| 5,300.0                               | 8.00            | 32.25       | 5,290.6               | 129.5        | 81.7         | -129.0                  | 0.00                    | 0.00                   | 0.00                  |
| 5,400.0                               | 8.00            | 32.25       | 5,389.6               | 141.3        | 89.2         | -140.8                  | 0.00                    | 0.00                   | 0.00                  |
| 5,500.0                               | 8.00            | 32.25       | 5,488.6               | 153.1        | 96.6         | -152.5                  | 0.00                    | 0.00                   | 0.00                  |
| 5,600.0                               | 8.00            | 32.25       | 5,587.7               | 164.9        | 104.0        | -164.2                  | 0.00                    | 0.00                   | 0.00                  |
| 5,700.0                               | 8.00            | 32.25       | 5,686.7               | 176.6        | 111.4        | -175.9                  | 0.00                    | 0.00                   | 0.00                  |
| 5,800.0                               | 8.00            | 32.25       | 5,785.7               | 188.4        | 118.9        | -187.7                  | 0.00                    | 0.00                   | 0.00                  |
| 5,900.0                               | 8.00            | 32.25       | 5,884.8               | 200.2        | 126.3        | -199.4                  | 0.00                    | 0.00                   | 0.00                  |
| 6,000.0                               | 8.00            | 32.25       | 5,983.8               | 211.9        | 133.7        | -211.1                  | 0.00                    | 0.00                   | 0.00                  |
| 6,100.0                               | 8.00            | 32.25       | 6,082.8               | 223.7        | 141.2        | -222.8                  | 0.00                    | 0.00                   | 0.00                  |
| 6,200.0                               | 8.00            | 32.25       | 6,181.8               | 235.5        | 148.6        | -234.5                  | 0.00                    | 0.00                   | 0.00                  |
| 6,300.0                               | 8.00            | 32.25       | 6,280.9               | 247.3        | 156.0        | -246.3                  | 0.00                    | 0.00                   | 0.00                  |
| 6,400.0                               | 8.00            | 32.25       | 6,379.9               | 259.0        | 163.4        | -258.0                  | 0.00                    | 0.00                   | 0.00                  |
| 6,422.3                               | 8.00            | 32.25       | 6,402.0               | 261.7        | 165.1        | -260.6                  | 0.00                    | 0.00                   | 0.00                  |
| <b>Brushy Canyon</b>                  |                 |             |                       |              |              |                         |                         |                        |                       |
| 6,500.0                               | 8.00            | 32.25       | 6,478.9               | 270.8        | 170.9        | -269.7                  | 0.00                    | 0.00                   | 0.00                  |
| 6,600.0                               | 8.00            | 32.25       | 6,577.9               | 282.6        | 178.3        | -281.4                  | 0.00                    | 0.00                   | 0.00                  |
| 6,700.0                               | 8.00            | 32.25       | 6,677.0               | 294.3        | 185.7        | -293.2                  | 0.00                    | 0.00                   | 0.00                  |
| 6,800.0                               | 8.00            | 32.25       | 6,776.0               | 306.1        | 193.1        | -304.9                  | 0.00                    | 0.00                   | 0.00                  |
| 6,900.0                               | 8.00            | 32.25       | 6,875.0               | 317.9        | 200.6        | -316.6                  | 0.00                    | 0.00                   | 0.00                  |
| 7,000.0                               | 8.00            | 32.25       | 6,974.0               | 329.6        | 208.0        | -328.3                  | 0.00                    | 0.00                   | 0.00                  |
| 7,100.0                               | 8.00            | 32.25       | 7,073.1               | 341.4        | 215.4        | -340.1                  | 0.00                    | 0.00                   | 0.00                  |
| 7,192.6                               | 8.00            | 32.25       | 7,164.8               | 352.3        | 222.3        | -350.9                  | 0.00                    | 0.00                   | 0.00                  |
| <b>Start Drop -1.50</b>               |                 |             |                       |              |              |                         |                         |                        |                       |
| 7,200.0                               | 7.89            | 32.25       | 7,172.1               | 353.2        | 222.8        | -351.8                  | 1.50                    | -1.50                  | 0.00                  |
| 7,300.0                               | 6.39            | 32.25       | 7,271.3               | 363.7        | 229.5        | -362.2                  | 1.50                    | -1.50                  | 0.00                  |
| 7,400.0                               | 4.89            | 32.25       | 7,370.8               | 372.0        | 234.7        | -370.5                  | 1.50                    | -1.50                  | 0.00                  |
| 7,500.0                               | 3.39            | 32.25       | 7,470.6               | 378.1        | 238.6        | -376.6                  | 1.50                    | -1.50                  | 0.00                  |
| 7,560.5                               | 2.48            | 32.25       | 7,531.0               | 380.7        | 240.2        | -379.2                  | 1.50                    | -1.50                  | 0.00                  |
| <b>L. Brushy Canyon</b>               |                 |             |                       |              |              |                         |                         |                        |                       |
| 7,600.0                               | 1.89            | 32.25       | 7,570.5               | 382.0        | 241.0        | -380.5                  | 1.50                    | -1.50                  | 0.00                  |
| 7,700.0                               | 0.39            | 32.25       | 7,670.4               | 383.7        | 242.1        | -382.2                  | 1.50                    | -1.50                  | 0.00                  |
| 7,726.0                               | 0.00            | 0.00        | 7,696.4               | 383.8        | 242.1        | -382.2                  | 1.50                    | -1.50                  | 0.00                  |
| <b>Start 552.6 hold at 7726.0 MD</b>  |                 |             |                       |              |              |                         |                         |                        |                       |
| 7,800.0                               | 0.00            | 0.00        | 7,770.4               | 383.8        | 242.1        | -382.2                  | 0.00                    | 0.00                   | 0.00                  |
| 7,900.0                               | 0.00            | 0.00        | 7,870.4               | 383.8        | 242.1        | -382.2                  | 0.00                    | 0.00                   | 0.00                  |
| 8,000.0                               | 0.00            | 0.00        | 7,970.4               | 383.8        | 242.1        | -382.2                  | 0.00                    | 0.00                   | 0.00                  |
| 8,100.0                               | 0.00            | 0.00        | 8,070.4               | 383.8        | 242.1        | -382.2                  | 0.00                    | 0.00                   | 0.00                  |
| 8,161.6                               | 0.00            | 0.00        | 8,132.0               | 383.8        | 242.1        | -382.2                  | 0.00                    | 0.00                   | 0.00                  |
| <b>BSGL</b>                           |                 |             |                       |              |              |                         |                         |                        |                       |
| 8,200.0                               | 0.00            | 0.00        | 8,170.4               | 383.8        | 242.1        | -382.2                  | 0.00                    | 0.00                   | 0.00                  |
| 8,256.6                               | 0.00            | 0.00        | 8,227.0               | 383.8        | 242.1        | -382.2                  | 0.00                    | 0.00                   | 0.00                  |

# Planning Report

|                  |                            |                                     |                          |
|------------------|----------------------------|-------------------------------------|--------------------------|
| <b>Database:</b> | EDM 5000.14 Server         | <b>Local Co-ordinate Reference:</b> | Well Boros Federal #108H |
| <b>Company:</b>  | Matador Production Company | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Project:</b>  | Rustler Breaks             | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site:</b>     | Boros                      | <b>North Reference:</b>             | Grid                     |
| <b>Well:</b>     | Boros Federal #108H        | <b>Survey Calculation Method:</b>   | Minimum Curvature        |
| <b>Wellbore:</b> | Wellbore #1                |                                     |                          |
| <b>Design:</b>   | BLM Plan #2                |                                     |                          |

| 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) |
| <b>Avalon-SS</b>                                    |                 |             |                       |              |              |                         |                         |                        |                       |
| 8,278.6                                             | 0.00            | 0.00        | 8,249.0               | 383.8        | 242.1        | -382.2                  | 0.00                    | 0.00                   | 0.00                  |
| <b>Start Build 10.00 - VP - Boros Federal #108H</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 8,300.0                                             | 2.14            | 170.92      | 8,270.4               | 383.4        | 242.2        | -381.8                  | 10.00                   | 10.00                  | 0.00                  |
| 8,400.0                                             | 12.14           | 170.92      | 8,369.5               | 371.1        | 244.2        | -369.6                  | 10.00                   | 10.00                  | 0.00                  |
| 8,500.0                                             | 22.14           | 170.92      | 8,465.0               | 342.0        | 248.8        | -340.5                  | 10.00                   | 10.00                  | 0.00                  |
| 8,600.0                                             | 32.14           | 170.92      | 8,553.8               | 297.0        | 256.0        | -295.4                  | 10.00                   | 10.00                  | 0.00                  |
| 8,700.0                                             | 42.14           | 170.92      | 8,633.5               | 237.5        | 265.5        | -235.8                  | 10.00                   | 10.00                  | 0.00                  |
| 8,800.0                                             | 52.14           | 170.92      | 8,701.4               | 165.2        | 277.1        | -163.4                  | 10.00                   | 10.00                  | 0.00                  |
| 8,900.0                                             | 62.14           | 170.92      | 8,755.6               | 82.3         | 290.3        | -80.5                   | 10.00                   | 10.00                  | 0.00                  |
| 9,000.0                                             | 72.14           | 170.92      | 8,794.4               | -8.5         | 304.8        | 10.5                    | 10.00                   | 10.00                  | 0.00                  |
| 9,100.0                                             | 82.14           | 170.92      | 8,816.6               | -104.7       | 320.2        | 106.7                   | 10.00                   | 10.00                  | 0.00                  |
| 9,178.6                                             | 90.00           | 170.92      | 8,822.0               | -182.0       | 332.6        | 184.1                   | 10.00                   | 10.00                  | 0.00                  |
| <b>Start DLS 2.00 TFO 90.00</b>                     |                 |             |                       |              |              |                         |                         |                        |                       |
| 9,200.0                                             | 90.00           | 171.35      | 8,822.0               | -203.2       | 335.9        | 205.3                   | 2.00                    | 0.00                   | 2.00                  |
| 9,300.0                                             | 90.00           | 173.35      | 8,822.0               | -302.3       | 349.2        | 304.5                   | 2.00                    | 0.00                   | 2.00                  |
| 9,400.0                                             | 90.00           | 175.35      | 8,822.0               | -401.8       | 359.0        | 404.1                   | 2.00                    | 0.00                   | 2.00                  |
| 9,500.0                                             | 90.00           | 177.35      | 8,822.0               | -501.6       | 365.4        | 503.9                   | 2.00                    | 0.00                   | 2.00                  |
| 9,600.0                                             | 90.00           | 179.35      | 8,822.0               | -601.6       | 368.3        | 603.9                   | 2.00                    | 0.00                   | 2.00                  |
| 9,614.7                                             | 90.00           | 179.64      | 8,822.0               | -616.3       | 368.4        | 618.6                   | 2.00                    | 0.00                   | 2.00                  |
| <b>Start 9515.1 hold at 9614.7 MD</b>               |                 |             |                       |              |              |                         |                         |                        |                       |
| 9,700.0                                             | 90.00           | 179.64      | 8,822.0               | -701.6       | 368.9        | 703.9                   | 0.00                    | 0.00                   | 0.00                  |
| 9,800.0                                             | 90.00           | 179.64      | 8,822.0               | -801.6       | 369.5        | 803.9                   | 0.00                    | 0.00                   | 0.00                  |
| 9,900.0                                             | 90.00           | 179.64      | 8,822.0               | -901.6       | 370.2        | 903.9                   | 0.00                    | 0.00                   | 0.00                  |
| 10,000.0                                            | 90.00           | 179.64      | 8,822.0               | -1,001.6     | 370.8        | 1,003.9                 | 0.00                    | 0.00                   | 0.00                  |
| 10,100.0                                            | 90.00           | 179.64      | 8,822.0               | -1,101.6     | 371.4        | 1,103.9                 | 0.00                    | 0.00                   | 0.00                  |
| 10,200.0                                            | 90.00           | 179.64      | 8,822.0               | -1,201.6     | 372.0        | 1,203.9                 | 0.00                    | 0.00                   | 0.00                  |
| 10,300.0                                            | 90.00           | 179.64      | 8,822.0               | -1,301.6     | 372.7        | 1,303.9                 | 0.00                    | 0.00                   | 0.00                  |
| 10,400.0                                            | 90.00           | 179.64      | 8,822.0               | -1,401.5     | 373.3        | 1,403.9                 | 0.00                    | 0.00                   | 0.00                  |
| 10,500.0                                            | 90.00           | 179.64      | 8,822.0               | -1,501.5     | 373.9        | 1,503.9                 | 0.00                    | 0.00                   | 0.00                  |
| 10,600.0                                            | 90.00           | 179.64      | 8,822.0               | -1,601.5     | 374.5        | 1,603.9                 | 0.00                    | 0.00                   | 0.00                  |
| 10,700.0                                            | 90.00           | 179.64      | 8,822.0               | -1,701.5     | 375.1        | 1,703.9                 | 0.00                    | 0.00                   | 0.00                  |
| 10,800.0                                            | 90.00           | 179.64      | 8,822.0               | -1,801.5     | 375.8        | 1,803.9                 | 0.00                    | 0.00                   | 0.00                  |
| 10,900.0                                            | 90.00           | 179.64      | 8,822.0               | -1,901.5     | 376.4        | 1,903.9                 | 0.00                    | 0.00                   | 0.00                  |
| 11,000.0                                            | 90.00           | 179.64      | 8,822.0               | -2,001.5     | 377.0        | 2,003.9                 | 0.00                    | 0.00                   | 0.00                  |
| 11,100.0                                            | 90.00           | 179.64      | 8,822.0               | -2,101.5     | 377.6        | 2,103.9                 | 0.00                    | 0.00                   | 0.00                  |
| 11,200.0                                            | 90.00           | 179.64      | 8,822.0               | -2,201.5     | 378.3        | 2,203.9                 | 0.00                    | 0.00                   | 0.00                  |
| 11,300.0                                            | 90.00           | 179.64      | 8,822.0               | -2,301.5     | 378.9        | 2,303.9                 | 0.00                    | 0.00                   | 0.00                  |
| 11,400.0                                            | 90.00           | 179.64      | 8,822.0               | -2,401.5     | 379.5        | 2,403.9                 | 0.00                    | 0.00                   | 0.00                  |
| 11,500.0                                            | 90.00           | 179.64      | 8,822.0               | -2,501.5     | 380.1        | 2,503.9                 | 0.00                    | 0.00                   | 0.00                  |
| 11,600.0                                            | 90.00           | 179.64      | 8,822.0               | -2,601.5     | 380.7        | 2,603.9                 | 0.00                    | 0.00                   | 0.00                  |
| 11,700.0                                            | 90.00           | 179.64      | 8,822.0               | -2,701.5     | 381.4        | 2,703.9                 | 0.00                    | 0.00                   | 0.00                  |
| 11,800.0                                            | 90.00           | 179.64      | 8,822.0               | -2,801.5     | 382.0        | 2,803.9                 | 0.00                    | 0.00                   | 0.00                  |
| 11,900.0                                            | 90.00           | 179.64      | 8,822.0               | -2,901.5     | 382.6        | 2,903.9                 | 0.00                    | 0.00                   | 0.00                  |
| 12,000.0                                            | 90.00           | 179.64      | 8,822.0               | -3,001.5     | 383.2        | 3,003.9                 | 0.00                    | 0.00                   | 0.00                  |
| 12,100.0                                            | 90.00           | 179.64      | 8,822.0               | -3,101.5     | 383.8        | 3,103.9                 | 0.00                    | 0.00                   | 0.00                  |
| 12,200.0                                            | 90.00           | 179.64      | 8,822.0               | -3,201.5     | 384.5        | 3,203.9                 | 0.00                    | 0.00                   | 0.00                  |
| 12,300.0                                            | 90.00           | 179.64      | 8,822.0               | -3,301.5     | 385.1        | 3,303.9                 | 0.00                    | 0.00                   | 0.00                  |
| 12,400.0                                            | 90.00           | 179.64      | 8,822.0               | -3,401.5     | 385.7        | 3,403.9                 | 0.00                    | 0.00                   | 0.00                  |
| 12,500.0                                            | 90.00           | 179.64      | 8,822.0               | -3,501.5     | 386.3        | 3,503.9                 | 0.00                    | 0.00                   | 0.00                  |
| 12,600.0                                            | 90.00           | 179.64      | 8,822.0               | -3,601.5     | 387.0        | 3,603.9                 | 0.00                    | 0.00                   | 0.00                  |
| 12,700.0                                            | 90.00           | 179.64      | 8,822.0               | -3,701.5     | 387.6        | 3,703.9                 | 0.00                    | 0.00                   | 0.00                  |
| 12,800.0                                            | 90.00           | 179.64      | 8,822.0               | -3,801.5     | 388.2        | 3,803.9                 | 0.00                    | 0.00                   | 0.00                  |

# Planning Report

|                  |                            |                                     |                          |
|------------------|----------------------------|-------------------------------------|--------------------------|
| <b>Database:</b> | EDM 5000.14 Server         | <b>Local Co-ordinate Reference:</b> | Well Boros Federal #108H |
| <b>Company:</b>  | Matador Production Company | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Project:</b>  | Rustler Breaks             | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site:</b>     | Boros                      | <b>North Reference:</b>             | Grid                     |
| <b>Well:</b>     | Boros Federal #108H        | <b>Survey Calculation Method:</b>   | Minimum Curvature        |
| <b>Wellbore:</b> | Wellbore #1                |                                     |                          |
| <b>Design:</b>   | BLM Plan #2                |                                     |                          |

| 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) |
| 12,900.0              | 90.00           | 179.64      | 8,822.0               | -3,901.5     | 388.8        | 3,903.9                 | 0.00                    | 0.00                   | 0.00                  |
| 13,000.0              | 90.00           | 179.64      | 8,822.0               | -4,001.5     | 389.4        | 4,003.9                 | 0.00                    | 0.00                   | 0.00                  |
| 13,100.0              | 90.00           | 179.64      | 8,822.0               | -4,101.5     | 390.1        | 4,103.9                 | 0.00                    | 0.00                   | 0.00                  |
| 13,200.0              | 90.00           | 179.64      | 8,822.0               | -4,201.5     | 390.7        | 4,203.9                 | 0.00                    | 0.00                   | 0.00                  |
| 13,300.0              | 90.00           | 179.64      | 8,822.0               | -4,301.5     | 391.3        | 4,303.9                 | 0.00                    | 0.00                   | 0.00                  |
| 13,400.0              | 90.00           | 179.64      | 8,822.0               | -4,401.5     | 391.9        | 4,403.9                 | 0.00                    | 0.00                   | 0.00                  |
| 13,500.0              | 90.00           | 179.64      | 8,822.0               | -4,501.5     | 392.6        | 4,503.9                 | 0.00                    | 0.00                   | 0.00                  |
| 13,600.0              | 90.00           | 179.64      | 8,822.0               | -4,601.5     | 393.2        | 4,603.9                 | 0.00                    | 0.00                   | 0.00                  |
| 13,700.0              | 90.00           | 179.64      | 8,822.0               | -4,701.5     | 393.8        | 4,703.9                 | 0.00                    | 0.00                   | 0.00                  |
| 13,800.0              | 90.00           | 179.64      | 8,822.0               | -4,801.5     | 394.4        | 4,803.9                 | 0.00                    | 0.00                   | 0.00                  |
| 13,900.0              | 90.00           | 179.64      | 8,822.0               | -4,901.5     | 395.0        | 4,903.9                 | 0.00                    | 0.00                   | 0.00                  |
| 14,000.0              | 90.00           | 179.64      | 8,822.0               | -5,001.5     | 395.7        | 5,003.9                 | 0.00                    | 0.00                   | 0.00                  |
| 14,100.0              | 90.00           | 179.64      | 8,822.0               | -5,101.5     | 396.3        | 5,103.9                 | 0.00                    | 0.00                   | 0.00                  |
| 14,200.0              | 90.00           | 179.64      | 8,822.0               | -5,201.5     | 396.9        | 5,203.9                 | 0.00                    | 0.00                   | 0.00                  |
| 14,300.0              | 90.00           | 179.64      | 8,822.0               | -5,301.5     | 397.5        | 5,303.9                 | 0.00                    | 0.00                   | 0.00                  |
| 14,400.0              | 90.00           | 179.64      | 8,822.0               | -5,401.5     | 398.2        | 5,403.9                 | 0.00                    | 0.00                   | 0.00                  |
| 14,500.0              | 90.00           | 179.64      | 8,822.0               | -5,501.5     | 398.8        | 5,503.9                 | 0.00                    | 0.00                   | 0.00                  |
| 14,600.0              | 90.00           | 179.64      | 8,822.0               | -5,601.5     | 399.4        | 5,603.9                 | 0.00                    | 0.00                   | 0.00                  |
| 14,700.0              | 90.00           | 179.64      | 8,822.0               | -5,701.5     | 400.0        | 5,703.9                 | 0.00                    | 0.00                   | 0.00                  |
| 14,800.0              | 90.00           | 179.64      | 8,822.0               | -5,801.5     | 400.6        | 5,803.9                 | 0.00                    | 0.00                   | 0.00                  |
| 14,900.0              | 90.00           | 179.64      | 8,822.0               | -5,901.5     | 401.3        | 5,903.9                 | 0.00                    | 0.00                   | 0.00                  |
| 15,000.0              | 90.00           | 179.64      | 8,822.0               | -6,001.5     | 401.9        | 6,003.9                 | 0.00                    | 0.00                   | 0.00                  |
| 15,100.0              | 90.00           | 179.64      | 8,822.0               | -6,101.5     | 402.5        | 6,103.9                 | 0.00                    | 0.00                   | 0.00                  |
| 15,200.0              | 90.00           | 179.64      | 8,822.0               | -6,201.5     | 403.1        | 6,203.9                 | 0.00                    | 0.00                   | 0.00                  |
| 15,300.0              | 90.00           | 179.64      | 8,822.0               | -6,301.5     | 403.8        | 6,303.9                 | 0.00                    | 0.00                   | 0.00                  |
| 15,400.0              | 90.00           | 179.64      | 8,822.0               | -6,401.5     | 404.4        | 6,403.9                 | 0.00                    | 0.00                   | 0.00                  |
| 15,500.0              | 90.00           | 179.64      | 8,822.0               | -6,501.5     | 405.0        | 6,503.9                 | 0.00                    | 0.00                   | 0.00                  |
| 15,600.0              | 90.00           | 179.64      | 8,822.0               | -6,601.4     | 405.6        | 6,603.9                 | 0.00                    | 0.00                   | 0.00                  |
| 15,700.0              | 90.00           | 179.64      | 8,822.0               | -6,701.4     | 406.2        | 6,703.9                 | 0.00                    | 0.00                   | 0.00                  |
| 15,800.0              | 90.00           | 179.64      | 8,822.0               | -6,801.4     | 406.9        | 6,803.9                 | 0.00                    | 0.00                   | 0.00                  |
| 15,900.0              | 90.00           | 179.64      | 8,822.0               | -6,901.4     | 407.5        | 6,903.9                 | 0.00                    | 0.00                   | 0.00                  |
| 16,000.0              | 90.00           | 179.64      | 8,822.0               | -7,001.4     | 408.1        | 7,003.9                 | 0.00                    | 0.00                   | 0.00                  |
| 16,100.0              | 90.00           | 179.64      | 8,822.0               | -7,101.4     | 408.7        | 7,103.9                 | 0.00                    | 0.00                   | 0.00                  |
| 16,200.0              | 90.00           | 179.64      | 8,822.0               | -7,201.4     | 409.3        | 7,203.9                 | 0.00                    | 0.00                   | 0.00                  |
| 16,300.0              | 90.00           | 179.64      | 8,822.0               | -7,301.4     | 410.0        | 7,303.9                 | 0.00                    | 0.00                   | 0.00                  |
| 16,400.0              | 90.00           | 179.64      | 8,822.0               | -7,401.4     | 410.6        | 7,403.9                 | 0.00                    | 0.00                   | 0.00                  |
| 16,500.0              | 90.00           | 179.64      | 8,822.0               | -7,501.4     | 411.2        | 7,503.9                 | 0.00                    | 0.00                   | 0.00                  |
| 16,600.0              | 90.00           | 179.64      | 8,822.0               | -7,601.4     | 411.8        | 7,603.9                 | 0.00                    | 0.00                   | 0.00                  |
| 16,700.0              | 90.00           | 179.64      | 8,822.0               | -7,701.4     | 412.5        | 7,703.9                 | 0.00                    | 0.00                   | 0.00                  |
| 16,800.0              | 90.00           | 179.64      | 8,822.0               | -7,801.4     | 413.1        | 7,803.9                 | 0.00                    | 0.00                   | 0.00                  |
| 16,900.0              | 90.00           | 179.64      | 8,822.0               | -7,901.4     | 413.7        | 7,903.9                 | 0.00                    | 0.00                   | 0.00                  |
| 17,000.0              | 90.00           | 179.64      | 8,822.0               | -8,001.4     | 414.3        | 8,003.9                 | 0.00                    | 0.00                   | 0.00                  |
| 17,100.0              | 90.00           | 179.64      | 8,822.0               | -8,101.4     | 414.9        | 8,103.9                 | 0.00                    | 0.00                   | 0.00                  |
| 17,200.0              | 90.00           | 179.64      | 8,822.0               | -8,201.4     | 415.6        | 8,203.9                 | 0.00                    | 0.00                   | 0.00                  |
| 17,300.0              | 90.00           | 179.64      | 8,822.0               | -8,301.4     | 416.2        | 8,303.9                 | 0.00                    | 0.00                   | 0.00                  |
| 17,400.0              | 90.00           | 179.64      | 8,822.0               | -8,401.4     | 416.8        | 8,403.9                 | 0.00                    | 0.00                   | 0.00                  |
| 17,500.0              | 90.00           | 179.64      | 8,822.0               | -8,501.4     | 417.4        | 8,503.9                 | 0.00                    | 0.00                   | 0.00                  |
| 17,600.0              | 90.00           | 179.64      | 8,822.0               | -8,601.4     | 418.1        | 8,603.9                 | 0.00                    | 0.00                   | 0.00                  |
| 17,700.0              | 90.00           | 179.64      | 8,822.0               | -8,701.4     | 418.7        | 8,703.9                 | 0.00                    | 0.00                   | 0.00                  |
| 17,800.0              | 90.00           | 179.64      | 8,822.0               | -8,801.4     | 419.3        | 8,803.9                 | 0.00                    | 0.00                   | 0.00                  |
| 17,900.0              | 90.00           | 179.64      | 8,822.0               | -8,901.4     | 419.9        | 8,903.9                 | 0.00                    | 0.00                   | 0.00                  |
| 18,000.0              | 90.00           | 179.64      | 8,822.0               | -9,001.4     | 420.5        | 9,003.9                 | 0.00                    | 0.00                   | 0.00                  |
| 18,100.0              | 90.00           | 179.64      | 8,822.0               | -9,101.4     | 421.2        | 9,103.9                 | 0.00                    | 0.00                   | 0.00                  |
| 18,200.0              | 90.00           | 179.64      | 8,822.0               | -9,201.4     | 421.8        | 9,203.9                 | 0.00                    | 0.00                   | 0.00                  |

## Planning Report

|                  |                            |                                     |                          |
|------------------|----------------------------|-------------------------------------|--------------------------|
| <b>Database:</b> | EDM 5000.14 Server         | <b>Local Co-ordinate Reference:</b> | Well Boros Federal #108H |
| <b>Company:</b>  | Matador Production Company | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Project:</b>  | Rustler Breaks             | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site:</b>     | Boros                      | <b>North Reference:</b>             | Grid                     |
| <b>Well:</b>     | Boros Federal #108H        | <b>Survey Calculation Method:</b>   | Minimum Curvature        |
| <b>Wellbore:</b> | Wellbore #1                |                                     |                          |
| <b>Design:</b>   | BLM Plan #2                |                                     |                          |

| 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) |  |
| 18,300.0                                  | 90.00           | 179.64      | 8,822.0               | -9,301.4     | 422.4        | 9,303.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 18,400.0                                  | 90.00           | 179.64      | 8,822.0               | -9,401.4     | 423.0        | 9,403.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 18,500.0                                  | 90.00           | 179.64      | 8,822.0               | -9,501.4     | 423.7        | 9,503.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 18,600.0                                  | 90.00           | 179.64      | 8,822.0               | -9,601.4     | 424.3        | 9,603.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 18,700.0                                  | 90.00           | 179.64      | 8,822.0               | -9,701.4     | 424.9        | 9,703.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 18,800.0                                  | 90.00           | 179.64      | 8,822.0               | -9,801.4     | 425.5        | 9,803.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 18,900.0                                  | 90.00           | 179.64      | 8,822.0               | -9,901.4     | 426.1        | 9,903.9                 | 0.00                    | 0.00                   | 0.00                  |  |
| 19,000.0                                  | 90.00           | 179.64      | 8,822.0               | -10,001.4    | 426.8        | 10,003.9                | 0.00                    | 0.00                   | 0.00                  |  |
| 19,100.0                                  | 90.00           | 179.64      | 8,822.0               | -10,101.4    | 427.4        | 10,103.9                | 0.00                    | 0.00                   | 0.00                  |  |
| 19,129.9                                  | 90.00           | 179.64      | 8,822.0               | -10,131.2    | 427.6        | 10,133.7                | 0.00                    | 0.00                   | 0.00                  |  |
| TD at 19129.9 - BHL - Boros Federal #108H |                 |             |                       |              |              |                         |                         |                        |                       |  |

| Design Targets                                                   |               |              |            |              |              |                 |                |                 |                   |  |
|------------------------------------------------------------------|---------------|--------------|------------|--------------|--------------|-----------------|----------------|-----------------|-------------------|--|
| Target Name                                                      | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude        | Longitude         |  |
| VP - Boros Federal #1<br>- hit/miss target<br>- Shape<br>- Point | 0.00          | 0.00         | 8,249.0    | 383.8        | 242.1        | 382,348.00      | 678,115.00     | 32° 2' 59.590 N | 103° 45' 30.426 W |  |
| BHL - Boros Federal #<br>- plan hits target center<br>- Point    | 0.00          | 0.00         | 8,822.0    | -10,131.2    | 427.6        | 371,832.94      | 678,300.46     | 32° 1' 15.521 N | 103° 45' 28.922 W |  |

| Formations            |                       |                   |           |         |                   |  |
|-----------------------|-----------------------|-------------------|-----------|---------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name              | Lithology | Dip (°) | Dip Direction (°) |  |
| 1,406.0               | 1,406.0               | Rustler           |           |         |                   |  |
| 1,494.0               | 1,494.0               | Salado (Top Salt) |           |         |                   |  |
| 4,125.2               | 4,125.0               | Base Salt         |           |         |                   |  |
| 4,155.2               | 4,155.0               | Bell Canyon       |           |         |                   |  |
| 5,176.2               | 5,168.0               | Cherry Canyon     |           |         |                   |  |
| 6,422.3               | 6,402.0               | Brushy Canyon     |           |         |                   |  |
| 7,560.5               | 7,531.0               | L. Brushy Canyon  |           |         |                   |  |
| 8,161.6               | 8,132.0               | BSGL              |           |         |                   |  |
| 8,256.6               | 8,227.0               | Avalon-SS         |           |         |                   |  |

## Planning Report

|                  |                            |                                     |                          |
|------------------|----------------------------|-------------------------------------|--------------------------|
| <b>Database:</b> | EDM 5000.14 Server         | <b>Local Co-ordinate Reference:</b> | Well Boros Federal #108H |
| <b>Company:</b>  | Matador Production Company | <b>TVD Reference:</b>               | KB @ 3246.5usft          |
| <b>Project:</b>  | Rustler Breaks             | <b>MD Reference:</b>                | KB @ 3246.5usft          |
| <b>Site:</b>     | Boros                      | <b>North Reference:</b>             | Grid                     |
| <b>Well:</b>     | Boros Federal #108H        | <b>Survey Calculation Method:</b>   | Minimum Curvature        |
| <b>Wellbore:</b> | Wellbore #1                |                                     |                          |
| <b>Design:</b>   | BLM Plan #2                |                                     |                          |

| 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 1.00               |
| 4,600.0               | 4,597.4               | 47.2              | 29.8         | Start 2592.6 hold at 4600.0 MD |
| 7,192.6               | 7,164.8               | 352.3             | 222.3        | Start Drop -1.50               |
| 7,726.0               | 7,696.4               | 383.8             | 242.1        | Start 552.6 hold at 7726.0 MD  |
| 8,278.6               | 8,249.0               | 383.8             | 242.1        | Start Build 10.00              |
| 9,178.6               | 8,822.0               | -182.0            | 332.6        | Start DLS 2.00 TFO 90.00       |
| 9,614.7               | 8,822.0               | -616.3            | 368.4        | Start 9515.1 hold at 9614.7 MD |
| 19,129.9              | 8,822.0               | -10,131.2         | 427.6        | TD at 19129.9                  |

## Casing Table Specification Sheet

**Boros Federal #108H**

**SHL: 430' FNL & 710' FEL Section 15**

**BHL: 100' FSL & 348' FEL Section 22**

**Township/Range: 26S 31E**

**Elevation Above Sea Level: 3218**

| String             | Hole Size (in) | Set MD (ft) | Set TVD (ft) | Casing Size (in) | Wt. (lb/ft) | Grade | Joint       | Collapse | Burst | Tension |
|--------------------|----------------|-------------|--------------|------------------|-------------|-------|-------------|----------|-------|---------|
| Surface            | 17.5           | 0 - 1374    | 0 - 1374     | 13.375           | 54.5        | J-55  | BUTT        | 1.125    | 1.125 | 1.8     |
| Intermediate 1 Top | 9.875          | 0 - 8179    | 0 - 8179     | 7.625            | 29.7        | P-110 | BUTT        | 1.125    | 1.125 | 1.8     |
| Production         | 6.75           | 0 - 19130   | 0 - 8822     | 5.5              | 20          | P-110 | Hunting TLW | 1.125    | 1.125 | 1.8     |

**Boros Federal #108H**  
**SHL: 430' FNL & 710' FEL Section 15**  
**BHL: 100' FSL & 348' FEL Section 22**  
**Township/Range: 26S 31E**  
**Elevation Above Sea Level: 3218**

### **Drilling Operation Plan**

Proposed Drilling Depth: 19130' MD / 8822' TVD

Type of well: Horizontal well, no pilot hole

Permitted Well Type: Oil

Geologic Name of Surface Formation Quaternary Deposits

KOP Lat/Long (NAD83): 32.0498725 N / -103.7585417 W

TD Lat/Long (NAD83): 32.0211033 N / -103.7585067 W

### **1. Estimated Tops**

| Formation            | MD (ft)       | TVD (ft)     | Thickness (ft) | Lithology        | Resource               |
|----------------------|---------------|--------------|----------------|------------------|------------------------|
| Rustler              | 1,406         | 1,406        | 88             | Anhydrite        | Barren                 |
| Salado (Top of Salt) | 1,494         | 1,494        | 2,631          | Salt             | Barren                 |
| Lamar (Base of Salt) | 4,125         | 4,125        | 30             | Salt             | Barren                 |
| Bell Canyon          | 4,155         | 4,155        | 1,013          | Sandstone        | Oil/Natural Gas        |
| Cherry Canyon        | 5,168         | 5,168        | 1,234          | Sandstone        | Oil/Natural Gas        |
| Brushy Canyon        | 6,402         | 6,402        | 1,730          | Sandstone        | Oil/Natural Gas        |
| Bone Springs Lime    | 8,132         | 8,132        | 117            | Limestone        | Oil/Natural Gas        |
| KOP                  | 8,279         | 8,249        | 469            | Sandstone        | Oil/Natural Gas        |
| Avalon               | 9,179         | 8,718        | 40             | Shale            | Oil/Natural Gas        |
| TD                   | <b>19,130</b> | <b>8,758</b> |                | <b>Sandstone</b> | <b>Oil/Natural Gas</b> |

### **2. Notable Zones**

Brushy Canyon 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 230'

### **3. Pressure Control**

#### **Equipment**

A 12,000' 5,000-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 Onshore Order #2 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 Onshore Order #2. 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 5M BOPE system will be installed. Test pressures will be 250 psi low and 5,000 psi high with the annular preventer being tested to 250 psi low and 2500 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 5M 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, 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.

#### **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        | 17.5           | 0 - 1431    | 0 - 1431     | 13.375           | 54.5        | J-55  | BUTT        | 1.125    | 1.125 | 1.8     |
| Intermediate 1 | 9.875          | 0 - 8179    | 0 - 8179     | 7.625            | 29.7        | P-110 | BUTT        | 1.125    | 1.125 | 1.8     |
| Production     | 6.75           | 0 - 19130   | 0 - 8822     | 5.5              | 20          | P-110 | Hunting TLW | 1.125    | 1.125 | 1.8     |

- All casing strings will be tested in accordance with Onshore Order #2 - III.B.1.h
- 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
- Request the option to deepen the Intermediate 1 casing set depth to 70° in curve, no changes in pipe grade or weight is necessary.

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.

Matador request option to perform a bradenhead cement squeeze on Intermediate 1 string.

Matador request a variance to utilize a surface setting rig. If this is used, Matador request the option to drill either 17.5" or 20" surface hole.

| String         | Type | Sacks | Yield | Cu. Ft. | Weight | Percent Excess | Top of Cement | Class | Blend                                |
|----------------|------|-------|-------|---------|--------|----------------|---------------|-------|--------------------------------------|
| Surface        | Lead | 730   | 1.72  | 1251    | 12.5   | 50%            | 0             | C     | 5% NaCl + LCM                        |
|                | Tail | 250   | 1.38  | 347     | 14.8   | 50%            | 1131          | C     | 5% NaCl + LCM                        |
| Intermediate 1 | Lead | 240   | 3.66  | 864     | 10.3   | 35%            | 4200          | A/C   | Bentonite + 1% CaCL2 + 8% NaCl + LCM |
|                | Tail | 210   | 1.38  | 290     | 13.2   | 35%            | 7179          | A/C   | 5% NaCl + LCM                        |
| Production     | Tail | 740   | 1.35  | 997     | 13.2   | 10%            | 8279          | A/C   | Fluid Loss + Dispersant + Retarder   |

**5. Mud Program**

An electronic Pason mud monitoring system complying with Onshore Order 2 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/gal) | Viscosity | Fluid Loss |
|----------------|----------------|-----------------------|------------------|------------------|-----------|------------|
| Surface        | 17.5           | Spud Mud              | 0 - 1431         | 8.4 - 8.8        | 28-30     | NC         |
| Intermediate 1 | 9.875          | Diesel Brine Emulsion | 1431 - 8032      | 8.4 - 9.4        | 28-30     | NC         |
| Production     | 6.75           | Cut Brine/OBM         | 8032 - 19130     | 8.6 - 9.4        | 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.

**7. Down Hole Conditions**