

Form 3160-5  
(June 2019)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2021

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

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

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

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

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

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

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

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

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

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

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

(Instructions on page 2)

## GENERAL INSTRUCTIONS

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

## SPECIFIC INSTRUCTIONS

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

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

## NOTICES

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

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

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

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

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

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

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

Response to this request is mandatory.

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

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

## Additional Information

### Location of Well

0. SHL: SWSE / 244 FSL / 1370 FEL / TWSP: 22S / RANGE: 32E / SECTION: 10 / LAT: 32.3996658 / LONG: -103.6584489 ( TVD: 0 feet, MD: 0 feet )

PPP: SWSE / 1 FNL / 2318 FEL / TWSP: 22S / RANGE: 32E / SECTION: 3 / LAT: 32.4134934 / LONG: -103.6615212 ( TVD: 12170 feet, MD: 17221 feet )

PPP: SWSE / 100 FSL / 2310 FEL / TWSP: 22S / RANGE: 32E / SECTION: 10 / LAT: 32.3992601 / LONG: -103.6614945 ( TVD: 12057 feet, MD: 12178 feet )

BHL: LOT 2 / 60 FNL / 2310 FEL / TWSP: 22S / RANGE: 32E / SECTION: 3 / LAT: 32.4278217 / LONG: -103.6615481 ( TVD: 12133 feet, MD: 22463 feet )

CONFIDENTIAL

|                                 |                                                                        |                                      |
|---------------------------------|------------------------------------------------------------------------|--------------------------------------|
| Well Name: NINA CORTELL FED COM | Well Location: T22S / R32E / SEC 10 / SWSE / 32.3996658 / -103.6584489 | County or Parish/State: LEA / NM     |
| Well Number: 203H               | Type of Well: CONVENTIONAL GAS WELL                                    | Allottee or Tribe Name:              |
| Lease Number: NMNM86147         | Unit or CA Name:                                                       | Unit or CA Number:                   |
| US Well Number: 300254962800X1  | Well Status: Drilling Well                                             | Operator: MATADOR PRODUCTION COMPANY |

Notice of Intent

Sundry ID: 2711549

|                                                |                              |
|------------------------------------------------|------------------------------|
| Type of Submission: Notice of Intent           | Type of Action: APD Change   |
| Date Sundry Submitted: 01/19/2023              | Time Sundry Submitted: 07:42 |
| Date proposed operation will begin: 01/20/2023 |                              |

**Procedure Description:** BLM Bond No. NMB001079 Surety Bond No. RLB0015172 \*Resubmitting previously approved sundry under correct API#. Matador requests sidetrack planned initiation point of 3430', 4-string well plan adjusting casing, cementing and mud and an additional intermediate I string with a hole size of 12.25 inches and casing size 10.75 inches. All original string (surface, intermediate II and production) hole sizes and casing sizes remain as originally submitted. Attached are New 4 String Well plan, Casing Spec Sheet for the additional intermediate string and New Directional Plan.

NOI Attachments

Procedure Description

AFMSS\_Sundry\_Approved\_\_2704196\_20230119074055.pdf

|                                 |                                                                        |                                      |
|---------------------------------|------------------------------------------------------------------------|--------------------------------------|
| Well Name: NINA CORTELL FED COM | Well Location: T22S / R32E / SEC 10 / SWSE / 32.3996658 / -103.6584489 | County or Parish/State: LEA / NM     |
| Well Number: 203H               | Type of Well: CONVENTIONAL GAS WELL                                    | Allottee or Tribe Name:              |
| Lease Number: NMNM86147         | Unit or CA Name:                                                       | Unit or CA Number:                   |
| US Well Number: 300254962800X1  | Well Status: Drilling Well                                             | Operator: MATADOR PRODUCTION COMPANY |

Operator

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

|                                                      |                                  |
|------------------------------------------------------|----------------------------------|
| Operator Electronic Signature: NICKY FITZGERALD      | Signed on: JAN 19, 2023 07:41 AM |
| Name: MATADOR PRODUCTION COMPANY                     |                                  |
| Title: Regulatory                                    |                                  |
| Street Address: 5400 LBJ FREEWAY STE 1500            |                                  |
| City: DALLAS                                         | State: TX                        |
| Phone: (972) 371-5448                                |                                  |
| Email address: nicky.fitzgerald@matadorresources.com |                                  |

Field

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

BLM Point of Contact

|                               |                                         |
|-------------------------------|-----------------------------------------|
| BLM POC Name: KEITH P IMMATTY | BLM POC Title: ENGINEER                 |
| BLM POC Phone: 5759884722     | BLM POC Email Address: KIMMATTY@BLM.GOV |
| Disposition: Approved         | Disposition Date: 01/26/2023            |
| Signature: Keith Immatty      |                                         |

**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           | 0-1029      | 0-1029       | 13.375           | 54.5        | J-55   | BUTT           | 1.125    | 1.125 | 1.8     |
| Intermediate 1 | 12.25          | 0-5508      | 0-5500       | 10.75            | 45.5        | HCL-80 | BUTT           | 1.125    | 1.125 | 1.8     |
| Intermediate 2 | 9.875          | 0-11425     | 0-11376      | 7.625            | 29.7        | P-110  | BUTT           | 1.125    | 1.125 | 1.8     |
| Production     | 6.75           | 0-22294     | 0-12079      | 5.5              | 20          | P-110  | Hunting TLW-SC | 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 option to deepen Intermediate 1 set depth into curve, no changes in pipe weight or grade 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 | 600   | 1.72  | 1027    | 12.5   | 50%            | 0             | C     | 5% NaCl + LCM                            |
|                | Tail | 250   | 1.38  | 347     | 14.8   | 50%            | 916           | C     | 5% NaCl + LCM                            |
| Intermediate 1 | Lead | 1270  | 1.937 | 2459    | 12.9   | 100%           | 0             | C     | 5% NaCl + LCM                            |
|                | Tail | 545   | 1.349 | 735     | 14.8   | 100%           | 3700          | C     | 5% NaCl + LCM                            |
| Intermediate 2 | Lead | 990   | 3.66  | 3624    | 10.3   | 35%            | 0             | A/C   | Bentonite + 1% CaCL2 + 8% NaCl + LCM     |
|                | Tail | 230   | 1.38  | 311     | 13.2   | 35%            | 10595         | A/C   | 5% NaCl + LCM                            |
| Production     | Lead | 20    | 1.71  | 28      | 12.5   | 10%            | 11395         | A/C   | Fluid Loss + Dispersent + Retarder + LCM |
|                | Tail | 690   | 1.44  | 999     | 13.2   | 10%            | 11695         | A/C   | Fluid Loss + Dispersent + Retarder + LCM |

**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/FW | 0-1029           | 8.4-8.6          | 28-30     | NC         |
| Intermediate 1 | 12.25          | Brine       | 1029-5508        | 9.8-10.2         | 28-30     | NC         |
| Intermediate 2 | 9.875          | Cut Brine   | 5508-11425       | 8.7-9.4          | 28-30     | NC         |
| Production     | 6.75           | OBM         | 11425-22294      | 11.5-12.5        | 30-50     | <20        |



## API 5CT 10.750" 45.50lb/ft HCL80 Casing Performance Data Sheet

Manufactured to specifications of API 5CT 9th edition and bears the API monogram.

|       |       |
|-------|-------|
| Grade | HCL80 |
|-------|-------|

### Pipe Body Mechanical Properties

|                          |            |
|--------------------------|------------|
| Minimum Yield Strength   | 80,000 psi |
| Maximum Yield Strength   | 95,000 psi |
| Minimum Tensile Strength | 95,000 psi |
| Maximum Hardness         | 23.0 HRC   |

### Sizes

|                        |             |
|------------------------|-------------|
| OD                     | 10 3/4      |
| Nominal Wall Thickness | .400 in     |
| Nominal Weight, T&C    | 45.50 lb/ft |
| Nominal Weight, PE     | 44.26 lb/ft |
| Nominal ID             | 9.950 in    |
| Standard Drift         | 9.794 in    |
| Alternate Drift        | 9.875 in    |

### Coupling Special Clearance

### Size

|                          |           |
|--------------------------|-----------|
| OD                       | 11.25 in  |
| Min. Length              | 10.625 in |
| Diameter of Counter Bore | 10.890 in |
| Width of bearing face    | .375 in   |

### Minimum Performance

|                         |               |
|-------------------------|---------------|
| Collapse Pressure       | 2,940 psi     |
| Internal Pressure Yield | 5,210 psi     |
| Pipe body Tension Yield | 1,040,000 lbs |
| Joint Strength STC      | 692,000 lbs   |
| Joint Strength LTC      | N/A           |
| Joint Strength BTC      | 1,063,000 lbs |

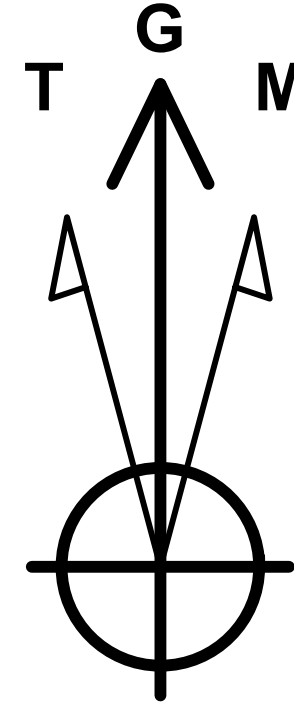
### Inspection and Testing

|        |                                                                                                                                               |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Visual | OD Longitudinal and independent 3rd party SEA                                                                                                 |
| NDT    | Independent 3rd party full body EMI and End Area Inspection after hydrotest<br>Calibration notch sensitivity: 10% of specified wall thickness |

### Color code

|           |                                      |
|-----------|--------------------------------------|
| Pipe ends | One red, one brown and one blue band |
| Couplings | Red with one brown band              |





Azimuths to Grid North  
True North: -0.36°  
Magnetic North: 6.08°

Magnetic Field  
Strength: 47444.2nT  
Dip Angle: 60.00°  
Date: 10/26/2022  
Model: IGRF2020

PROJECT DETAILS: Lea County, New Mexico (NAD27)

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



Hardlines:  
330' FWL / FEL  
100' FNL / FSL

Target Box:  
50' L/R  
BHL 110' FNL

To convert a Magnetic Direction to a Grid Direction, Add 6.08°

## Rig: Patterson 298

Company: Matador Resources Company  
Field: Lea County, New Mexico (NAD27)  
Location: Nina Cortell Fed Com  
Well: Nina Cortell Fed Com 203H  
ST01  
Plan: Pan 3  
GL 3790 + 28.5' KB @ 3818.50usft

### FORMATION TOP DETAILS

| TVDPATH  | MDPATH   | FORMATION            |
|----------|----------|----------------------|
| 839.00   | 839.04   | Rustler              |
| 1191.00  | 1191.08  | Salado               |
| 3285.00  | 3292.83  | Castile              |
| 4939.00  | 4947.30  | Bell Canyon          |
| 5842.00  | 5850.51  | Cherry Canyon        |
| 6985.00  | 7001.50  | Brushy Canyon        |
| 8826.00  | 8857.63  | Bone Spring Lime     |
| 9664.00  | 9702.52  | 1st Bone Spring Carb |
| 9897.00  | 9937.43  | 1st Bone Spring Sand |
| 10178.00 | 10220.74 | 2nd Bone Spring Carb |
| 10557.00 | 10602.86 | 2nd Bone Spring Sand |
| 10979.00 | 11026.63 | 3rd Bone Spring Carb |
| 11615.00 | 11663.63 | 3rd Bone Spring Sand |

### CASING DETAILS

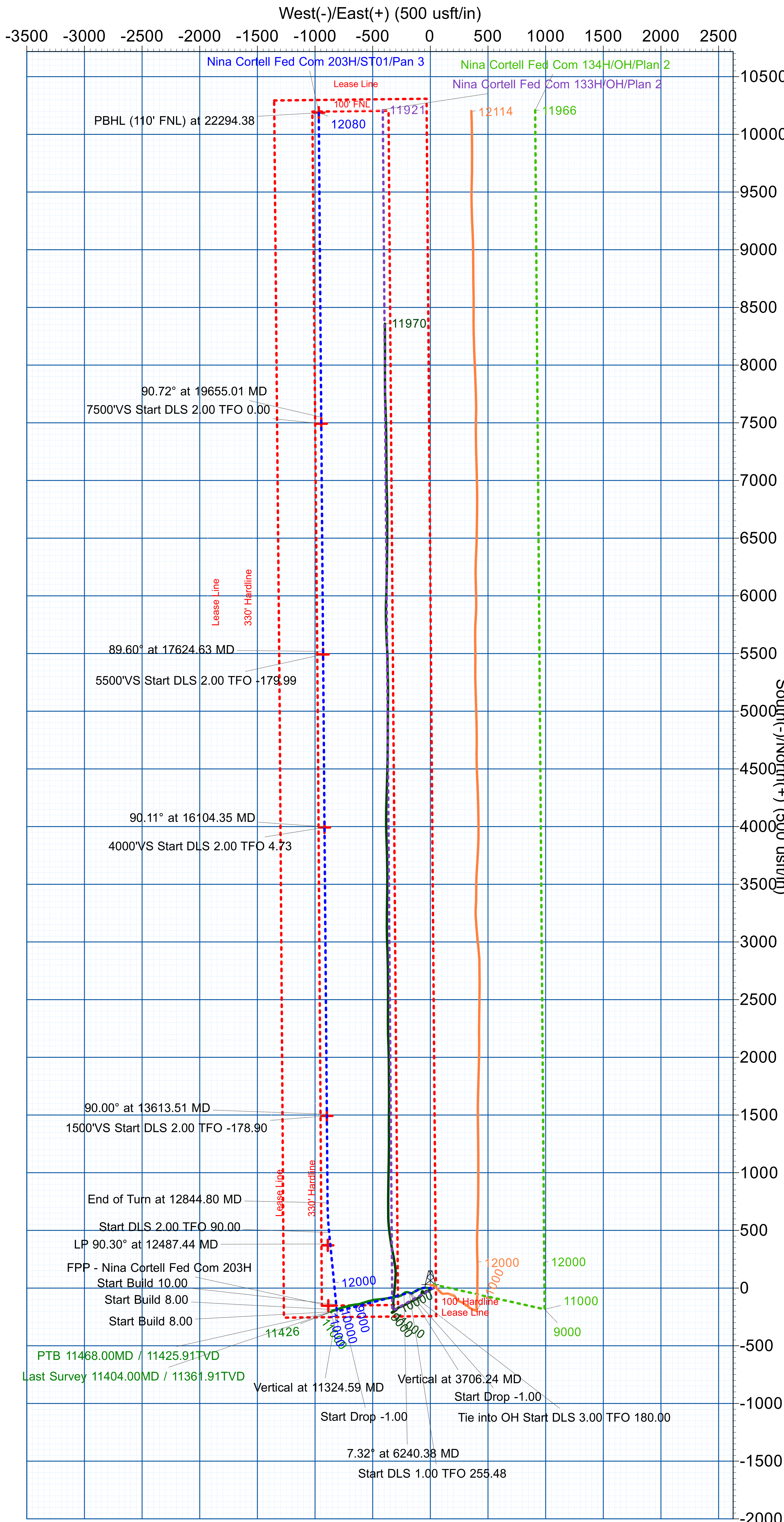
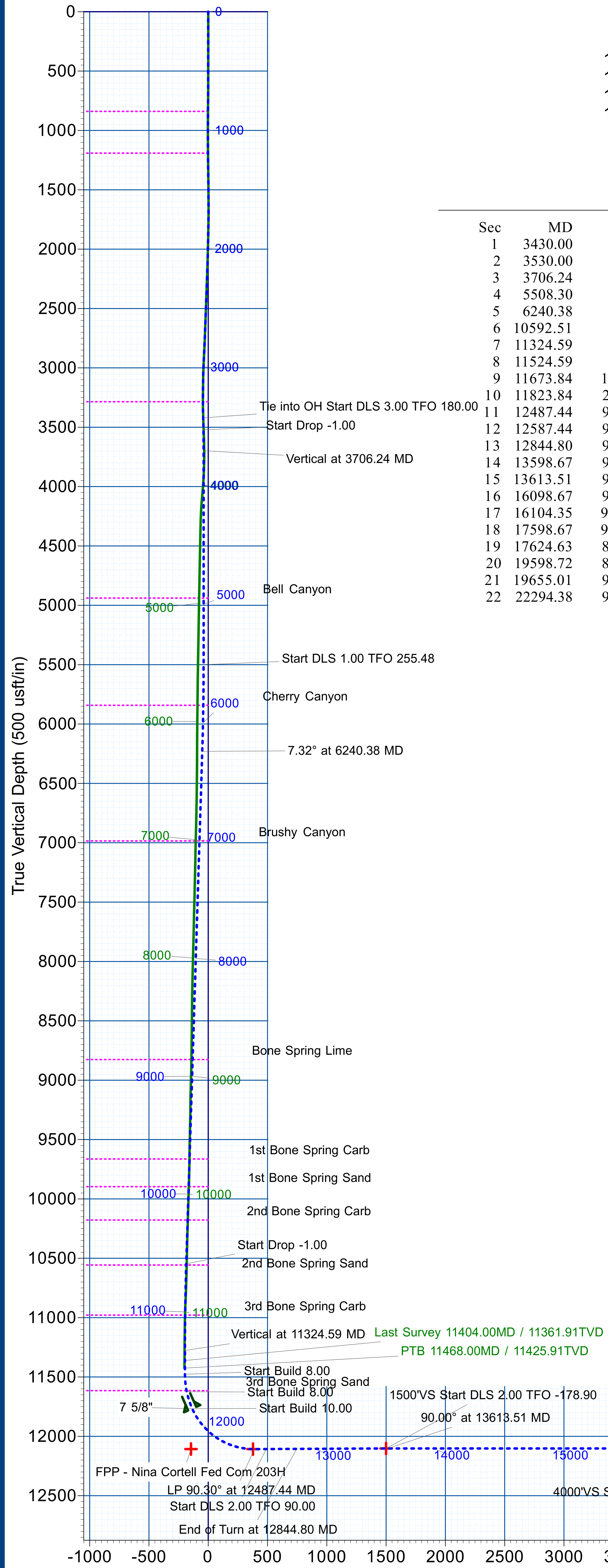
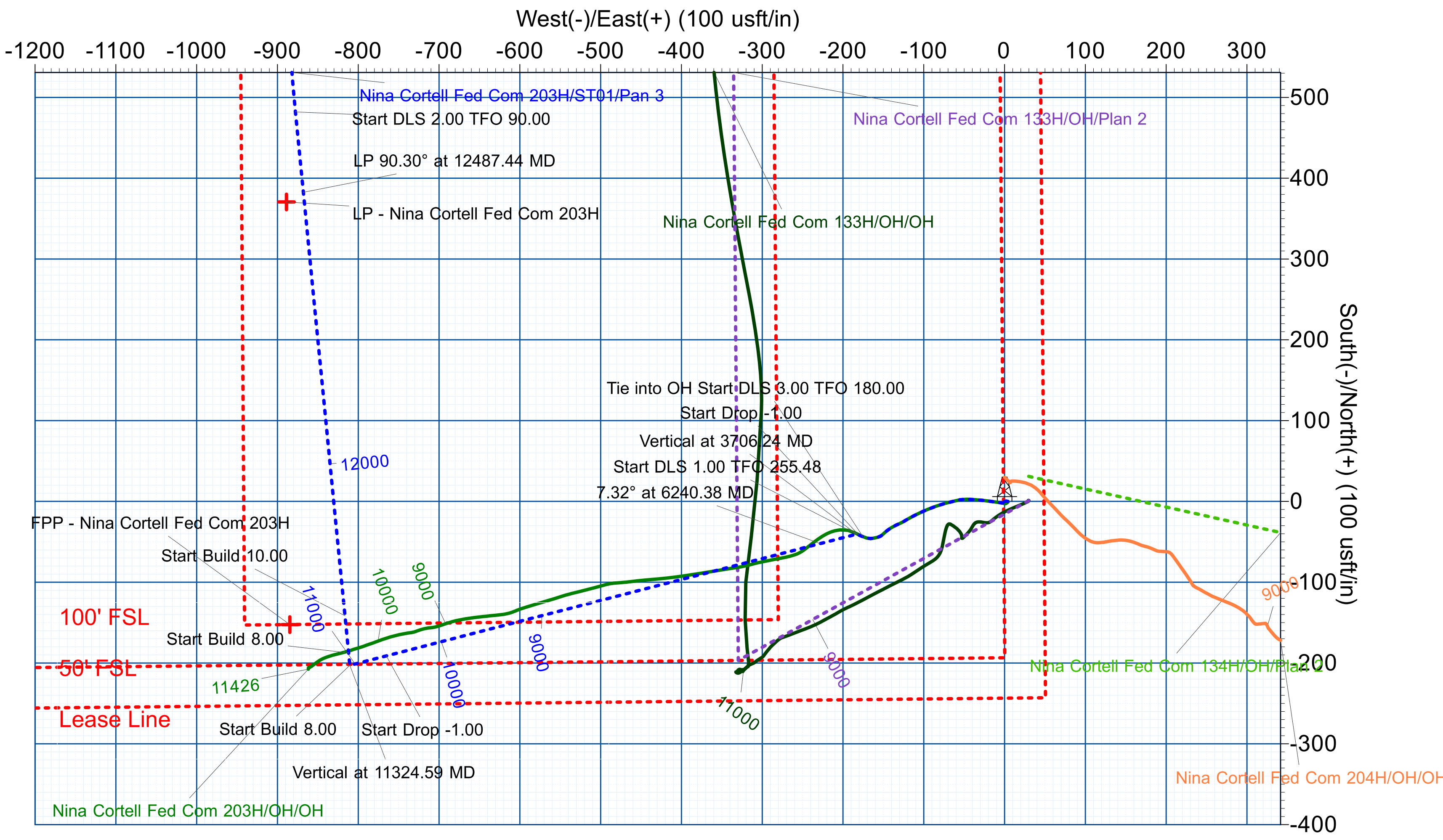
| TVD      | MD       | Name | Size          |
|----------|----------|------|---------------|
| 11767.00 | 11823.35 |      | 7 5/8" 7-5/8" |

### WELL DETAILS: Nina Cortell Fed Com 203H

|  | GL 3790 + 28.5' KB @ 3818.50usft | 3790.00     |
|--|----------------------------------|-------------|
|  | Northing                         | Easting     |
|  | 509726.00                        | 708451.00   |
|  | Latitude                         | Longitude   |
|  | 32.399541                        | -103.657961 |

### SECTION DETAILS

| Sec | MD       | Inc   | Azi    | TVD      | +N/-S    | +E/-W   | Dleg  | TFace   | VSECT    | Target                                      | Annotation                            |
|-----|----------|-------|--------|----------|----------|---------|-------|---------|----------|---------------------------------------------|---------------------------------------|
| 1   | 3430.00  | 4.76  | 291.98 | 3421.90  | -43.60   | -175.25 | 0.00  | 0.00    | -42.20   |                                             | Tie into OH Start DLS 3.00 TFO 180.00 |
| 2   | 3530.00  | 1.76  | 291.98 | 3521.72  | -41.47   | -180.52 | 3.00  | 180.00  | -40.02   |                                             | Start Drop -1.00                      |
| 3   | 3706.24  | 0.00  | 291.98 | 3697.94  | -40.46   | -183.04 | 1.00  | 180.00  | -38.99   |                                             | Vertical at 3706.24 MD                |
| 4   | 5508.30  | 0.00  | 291.98 | 5500.00  | -40.46   | -183.04 | 0.00  | 291.98  | -38.99   |                                             | Start DLS 1.00 TFO 255.48             |
| 5   | 6240.38  | 7.32  | 255.48 | 6230.09  | -52.17   | -228.25 | 1.00  | 255.48  | -50.33   |                                             | 7.32° at 6240.38 MD                   |
| 6   | 10592.51 | 7.32  | 255.48 | 10546.74 | -191.17  | -765.12 | 0.00  | 0.00    | -185.02  |                                             | Start Drop -1.00                      |
| 7   | 11324.59 | 0.00  | 0.00   | 11276.83 | -202.88  | -810.33 | 1.00  | 180.00  | -196.37  |                                             | Vertical at 11324.59 MD               |
| 8   | 11524.59 | 0.00  | 0.00   | 11476.83 | -202.88  | -810.33 | 0.00  | 0.00    | -196.37  |                                             | Start Build 8.00                      |
| 9   | 11673.84 | 11.94 | 354.39 | 11625.00 | -187.46  | -811.84 | 8.00  | 354.39  | -180.94  |                                             | Start Build 8.00                      |
| 10  | 11823.84 | 23.94 | 354.39 | 11767.45 | -141.56  | -816.35 | 8.00  | 0.00    | -135.00  |                                             | Start Build 10.00                     |
| 11  | 12487.44 | 90.30 | 354.39 | 12107.90 | 382.58   | -867.84 | 10.00 | 0.00    | 389.54   |                                             | LP 90.30° at 12487.44 MD              |
| 12  | 12587.44 | 90.30 | 354.39 | 12107.38 | 482.10   | -877.61 | 0.00  | 0.00    | 489.13   |                                             | Start DLS 2.00 TFO 90.00              |
| 13  | 12844.80 | 90.30 | 359.54 | 12106.04 | 739.01   | -891.24 | 2.00  | 90.00   | 746.14   |                                             | End of Turn at 12844.80 MD            |
| 14  | 13598.67 | 90.30 | 359.54 | 12102.11 | 1492.84  | -897.33 | 0.00  | 0.00    | 1500.00  | 1500°VS - Nina Cortell Fed Com 203H         | 1500°VS Start DLS 2.00 TFO -178.90    |
| 15  | 13613.51 | 90.00 | 359.53 | 12102.07 | 1507.68  | -897.45 | 2.00  | -178.90 | 1514.83  | 90.00° at 13613.51 MD                       | 90.00° at 13613.51 MD                 |
| 16  | 16098.67 | 90.00 | 359.53 | 12102.00 | 3992.76  | -917.77 | 0.00  | 0.00    | 4000.00  | 4000°VS - Nina Cortell Fed Com 203H         | 4000°VS Start DLS 2.00 TFO 4.73       |
| 17  | 16104.35 | 90.11 | 359.54 | 12101.99 | 3998.44  | -917.82 | 2.00  | 4.73    | 4005.68  | 90.11° at 16104.35 MD                       | 90.11° at 16104.35 MD                 |
| 18  | 17598.67 | 90.11 | 359.54 | 12099.00 | 5492.71  | -929.79 | 0.00  | 0.00    | 5500.00  | 5500°VS - Nina Cortell Fed Com 203H         | 5500°VS Start DLS 2.00 TFO -179.99    |
| 19  | 17624.63 | 89.60 | 359.54 | 12099.07 | 5518.67  | -930.00 | 2.00  | -179.99 | 5525.96  | 89.60° at 17624.63 MD                       | 89.60° at 17624.63 MD                 |
| 20  | 19598.72 | 89.60 | 359.54 | 12113.00 | 7492.65  | -945.82 | 0.00  | 0.00    | 7500.00  | 7500°VS - Nina Cortell Fed Com 203H         | 7500°VS Start DLS 2.00 TFO 0.00       |
| 21  | 19655.01 | 90.72 | 359.54 | 12112.84 | 7548.93  | -946.27 | 2.00  | 0.00    | 7556.29  | 90.72° at 19655.01 MD                       | 90.72° at 19655.01 MD                 |
| 22  | 22294.38 | 90.72 | 359.54 | 12079.62 | 10188.01 | -967.42 | 0.00  | 0.00    | 10195.45 | PBHL (LPP -10') - Nina Cortell Fed Com 203H |                                       |





# **Matador Resources Company**

**Lea County, New Mexico (NAD27)**

**Nina Cortell Fed Com**

**Nina Cortell Fed Com 203H**

**ST01**

**Pan 3**

## **Anticollision Report**

**17 November, 2022**



## Legacy Directional Drilling

### Anticollision Report

|                           |                                |                                     |                                  |
|---------------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Matador Resources Company      | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Project:</b>           | Lea County, New Mexico (NAD27) | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Reference Site:</b>    | Nina Cortell Fed Com           | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | ST01                           | <b>Database:</b>                    | EDM5000                          |
| <b>Reference Design:</b>  | Pan 3                          | <b>Offset TVD Reference:</b>        | Offset Datum                     |

|                                                                                  |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                           |                |
|----------------------------------------------------------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------|--------------------------|----------------------------------|-------------------------------|-------------------------|-----------------------------------|------------------------------------|--------------------------------------|---------------------------|----------------|
| <b>Offset Design:</b> Nina Cortell Fed Com - Nina Cortell Fed Com 133H - OH - OH |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      | <b>Offset Site Error:</b> | 0.00 usft      |
| <b>Survey Program:</b> 161-MWD+IGRF                                              |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      | <b>Offset Well Error:</b> | 0.00 usft      |
| <b>Reference</b>                                                                 |                                  | <b>Offset</b>                    |                                  | <b>Semi Major Axis</b>      |                          | <b>Highside Toolface<br/>(°)</b> | <b>Offset Wellbore Centre</b> |                         | <b>Distance</b>                   |                                    | <b>Minimum Separation<br/>(usft)</b> | <b>Separation Factor</b>  | <b>Warning</b> |
| <b>Measured Depth<br/>(usft)</b>                                                 | <b>Vertical Depth<br/>(usft)</b> | <b>Measured Depth<br/>(usft)</b> | <b>Vertical Depth<br/>(usft)</b> | <b>Reference<br/>(usft)</b> | <b>Offset<br/>(usft)</b> |                                  | <b>+N/-S<br/>(usft)</b>       | <b>+E/-W<br/>(usft)</b> | <b>Between Centres<br/>(usft)</b> | <b>Between Ellipses<br/>(usft)</b> |                                      |                           |                |
| 1,200.00                                                                         | 1,199.91                         | 1,200.27                         | 1,200.27                         | 4.91                        | 4.14                     | 158.91                           | 0.22                          | 29.46                   | 31.05                             | 22.51                              | 8.54                                 | 3.636                     |                |
| 1,300.00                                                                         | 1,299.60                         | 1,300.82                         | 1,300.79                         | 6.12                        | 4.67                     | 174.27                           | -0.94                         | 27.24                   | 36.35                             | 26.20                              | 10.14                                | 3.583                     |                |
| 1,400.00                                                                         | 1,399.03                         | 1,401.36                         | 1,401.21                         | 6.64                        | 5.22                     | 176.57                           | -2.90                         | 22.96                   | 42.82                             | 31.50                              | 11.33                                | 3.780                     |                |
| 1,500.00                                                                         | 1,498.48                         | 1,502.38                         | 1,501.97                         | 6.92                        | 5.77                     | -176.46                          | -5.72                         | 16.40                   | 47.23                             | 34.96                              | 12.27                                | 3.849                     |                |
| 1,600.00                                                                         | 1,597.95                         | 1,602.91                         | 1,602.01                         | 7.22                        | 6.27                     | -169.54                          | -9.49                         | 7.29                    | 49.28                             | 36.12                              | 13.16                                | 3.745                     |                |
| 1,700.00                                                                         | 1,697.46                         | 1,702.14                         | 1,700.74                         | 7.54                        | 6.65                     | -157.57                          | -13.84                        | -1.79                   | 51.33                             | 37.39                              | 13.93                                | 3.684                     |                |
| 1,800.00                                                                         | 1,797.03                         | 1,801.05                         | 1,799.28                         | 7.92                        | 7.00                     | -145.89                          | -18.33                        | -8.97                   | 54.04                             | 39.37                              | 14.67                                | 3.684                     |                |
| 1,900.00                                                                         | 1,896.62                         | 1,900.33                         | 1,898.32                         | 8.26                        | 7.35                     | -143.89                          | -22.59                        | -14.34                  | 57.95                             | 42.57                              | 15.37                                | 3.769                     |                |
| 2,000.00                                                                         | 1,996.27                         | 1,999.77                         | 1,997.64                         | 8.58                        | 7.76                     | -143.22                          | -25.48                        | -18.21                  | 62.13                             | 46.05                              | 16.08                                | 3.863                     |                |
| 2,100.00                                                                         | 2,095.92                         | 2,099.68                         | 2,097.51                         | 8.91                        | 8.16                     | -142.35                          | -26.42                        | -20.96                  | 66.52                             | 49.74                              | 16.78                                | 3.965                     |                |
| 2,200.00                                                                         | 2,195.48                         | 2,200.33                         | 2,198.10                         | 9.24                        | 8.49                     | -144.70                          | -26.19                        | -24.07                  | 71.00                             | 53.62                              | 17.38                                | 4.084                     |                |
| 2,300.00                                                                         | 2,295.04                         | 2,301.14                         | 2,298.82                         | 9.58                        | 8.82                     | -145.95                          | -25.45                        | -28.51                  | 74.25                             | 56.28                              | 17.97                                | 4.132                     |                |
| 2,400.00                                                                         | 2,394.64                         | 2,400.46                         | 2,398.02                         | 9.92                        | 9.16                     | -146.95                          | -25.44                        | -33.34                  | 76.92                             | 58.35                              | 18.57                                | 4.142                     |                |
| 2,500.00                                                                         | 2,494.30                         | 2,499.15                         | 2,496.62                         | 10.26                       | 9.55                     | -146.39                          | -27.26                        | -37.04                  | 80.22                             | 60.97                              | 19.25                                | 4.168                     |                |
| 2,600.00                                                                         | 2,594.03                         | 2,598.56                         | 2,595.91                         | 10.60                       | 9.97                     | -143.19                          | -31.26                        | -39.94                  | 83.73                             | 63.72                              | 20.01                                | 4.185                     |                |
| 2,700.00                                                                         | 2,693.69                         | 2,698.13                         | 2,695.37                         | 10.95                       | 10.34                    | -151.28                          | -35.13                        | -42.27                  | 88.68                             | 67.92                              | 20.75                                | 4.273                     |                |
| 2,800.00                                                                         | 2,793.29                         | 2,798.40                         | 2,795.58                         | 11.32                       | 10.69                    | -146.69                          | -38.02                        | -44.52                  | 94.36                             | 72.89                              | 21.46                                | 4.396                     |                |
| 2,900.00                                                                         | 2,892.94                         | 2,899.22                         | 2,896.28                         | 11.67                       | 11.05                    | -138.84                          | -41.52                        | -47.78                  | 98.02                             | 75.87                              | 22.15                                | 4.425                     |                |
| 3,000.00                                                                         | 2,992.67                         | 2,998.31                         | 2,995.26                         | 12.02                       | 11.42                    | -136.94                          | -44.78                        | -51.23                  | 99.89                             | 77.03                              | 22.85                                | 4.370                     |                |
| 3,100.00                                                                         | 3,092.51                         | 3,096.36                         | 3,093.28                         | 12.38                       | 11.77                    | -159.48                          | -45.82                        | -52.84                  | 103.13                            | 79.60                              | 23.53                                | 4.384                     |                |
| 3,200.00                                                                         | 3,192.31                         | 3,195.35                         | 3,192.26                         | 12.75                       | 12.10                    | -170.44                          | -44.60                        | -53.01                  | 109.01                            | 84.85                              | 24.16                                | 4.512                     |                |
| 3,300.00                                                                         | 3,292.16                         | 3,296.06                         | 3,292.93                         | 13.10                       | 12.43                    | 174.26                           | -41.76                        | -53.22                  | 114.41                            | 89.63                              | 24.78                                | 4.617                     |                |
| 3,400.00                                                                         | 3,391.99                         | 3,398.16                         | 3,394.95                         | 13.47                       | 12.75                    | 155.83                           | -38.03                        | -54.94                  | 118.36                            | 92.95                              | 25.42                                | 4.657                     |                |
| 3,500.00                                                                         | 3,491.75                         | 3,499.79                         | 3,496.44                         | 13.78                       | 13.07                    | 154.35                           | -34.11                        | -58.48                  | 121.31                            | 95.30                              | 26.00                                | 4.665                     |                |
| 3,600.00                                                                         | 3,591.70                         | 3,600.21                         | 3,596.70                         | 13.81                       | 13.39                    | 153.17                           | -30.67                        | -62.85                  | 119.81                            | 93.51                              | 26.31                                | 4.554                     |                |
| 3,700.00                                                                         | 3,691.70                         | 3,699.18                         | 3,695.56                         | 13.85                       | 13.72                    | 152.01                           | -28.23                        | -66.83                  | 116.91                            | 90.29                              | 26.62                                | 4.392                     |                |
| 3,800.00                                                                         | 3,791.70                         | 3,798.49                         | 3,794.83                         | 13.90                       | 14.14                    | 83.97                            | -28.50                        | -69.82                  | 113.89                            | 86.86                              | 27.03                                | 4.213                     |                |
| 3,900.00                                                                         | 3,891.70                         | 3,898.40                         | 3,894.60                         | 13.95                       | 14.67                    | 86.11                            | -32.92                        | -72.14                  | 111.19                            | 83.51                              | 27.68                                | 4.017                     |                |
| 4,000.00                                                                         | 3,991.70                         | 3,998.17                         | 3,993.94                         | 14.02                       | 15.09                    | 90.68                            | -41.76                        | -74.32                  | 108.75                            | 80.42                              | 28.33                                | 3.839                     |                |
| 4,100.00                                                                         | 4,091.70                         | 4,097.55                         | 4,092.73                         | 14.09                       | 15.44                    | 96.37                            | -52.37                        | -76.39                  | 107.31                            | 78.42                              | 28.90                                | 3.714                     |                |
| 4,200.00                                                                         | 4,191.70                         | 4,198.47                         | 4,193.17                         | 14.18                       | 15.81                    | 101.61                           | -61.84                        | -78.95                  | 106.27                            | 76.81                              | 29.46                                | 3.607                     |                |
| 4,300.00                                                                         | 4,291.70                         | 4,300.50                         | 4,294.90                         | 14.27                       | 16.22                    | 105.67                           | -68.54                        | -82.92                  | 104.03                            | 74.00                              | 30.03                                | 3.464                     |                |
| 4,400.00                                                                         | 4,391.70                         | 4,402.42                         | 4,396.55                         | 14.37                       | 16.63                    | 109.23                           | -73.39                        | -88.64                  | 100.09                            | 69.49                              | 30.60                                | 3.271                     |                |
| 4,500.00                                                                         | 4,491.70                         | 4,503.75                         | 4,497.44                         | 14.48                       | 17.03                    | 113.58                           | -78.19                        | -96.60                  | 94.49                             | 63.33                              | 31.16                                | 3.032                     |                |
| 4,600.00                                                                         | 4,591.70                         | 4,603.38                         | 4,596.41                         | 14.60                       | 17.42                    | 119.73                           | -84.31                        | -106.26                 | 88.54                             | 56.83                              | 31.71                                | 2.792                     |                |
| 4,700.00                                                                         | 4,691.70                         | 4,702.48                         | 4,694.88                         | 14.73                       | 17.80                    | 126.61                           | -90.53                        | -115.63                 | 84.03                             | 51.81                              | 32.22                                | 2.608                     |                |
| 4,800.00                                                                         | 4,791.70                         | 4,802.70                         | 4,794.56                         | 14.86                       | 18.17                    | 133.29                           | -95.62                        | -124.49                 | 80.49                             | 47.80                              | 32.69                                | 2.462                     |                |
| 4,900.00                                                                         | 4,891.70                         | 4,902.38                         | 4,893.60                         | 15.00                       | 18.53                    | 141.19                           | -100.70                       | -134.58                 | 77.33                             | 44.23                              | 33.10                                | 2.336                     |                |
| 5,000.00                                                                         | 4,991.70                         | 5,001.56                         | 4,992.14                         | 15.15                       | 18.89                    | 149.62                           | -105.84                       | -144.71                 | 75.79                             | 42.34                              | 33.45                                | 2.266                     |                |
| 5,035.30                                                                         | 5,027.00                         | 5,036.63                         | 5,027.00                         | 15.20                       | 19.02                    | 152.50                           | -107.60                       | -148.09                 | 75.69                             | 42.13                              | 33.56                                | 2.256                     |                |
| 5,100.00                                                                         | 5,091.70                         | 5,101.09                         | 5,091.15                         | 15.30                       | 19.27                    | 157.24                           | -110.49                       | -153.66                 | 75.94                             | 42.18                              | 33.77                                | 2.249                     |                |
| 5,200.00                                                                         | 5,191.70                         | 5,200.72                         | 5,190.41                         | 15.47                       | 19.64                    | 163.63                           | -114.46                       | -161.30                 | 77.14                             | 43.04                              | 34.10                                | 2.262                     |                |
| 5,300.00                                                                         | 5,291.70                         | 5,300.52                         | 5,289.86                         | 15.63                       | 20.00                    | 169.52                           | -118.27                       | -168.65                 | 79.15                             | 44.71                              | 34.44                                | 2.298                     |                |
| 5,400.00                                                                         | 5,391.70                         | 5,400.14                         | 5,389.17                         | 15.81                       | 20.36                    | 174.79                           | -121.95                       | -175.61                 | 81.86                             | 47.07                              | 34.80                                | 2.353                     |                |
| 5,500.00                                                                         | 5,491.70                         | 5,499.97                         | 5,488.70                         | 15.99                       | 20.71                    | 179.57                           | -125.60                       | -182.40                 | 85.19                             | 50.01                              | 35.18                                | 2.421                     |                |
| 5,600.00                                                                         | 5,591.69                         | 5,599.77                         | 5,588.17                         | 16.18                       | 21.07                    | -71.64                           | -129.08                       | -189.64                 | 88.71                             | 53.11                              | 35.59                                | 2.492                     |                |
| 5,700.00                                                                         | 5,691.66                         | 5,700.15                         | 5,688.25                         | 16.38                       | 21.44                    | -68.82                           | -132.42                       | -196.71                 | 91.83                             | 55.77                              | 36.06                                | 2.547                     |                |
| 5,800.00                                                                         | 5,791.57                         | 5,800.55                         | 5,788.46                         | 16.58                       | 21.81                    | -68.04                           | -135.22                       | -202.25                 | 93.72                             | 57.12                              | 36.60                                | 2.561                     |                |
| 5,900.00                                                                         | 5,891.39                         | 5,900.41                         | 5,888.17                         | 16.80                       | 22.18                    | -68.76                           | -137.97                       | -206.97                 | 94.84                             | 57.64                              | 37.20                                | 2.549                     |                |
| 6,000.00                                                                         | 5,991.09                         | 6,000.31                         | 5,987.91                         | 17.03                       | 22.54                    | -70.24                           | -140.84                       | -212.02                 | 95.53                             | 57.68                              | 37.85                                | 2.524                     |                |
| 6,100.00                                                                         | 6,090.64                         | 6,101.41                         | 6,088.87                         | 17.27                       | 22.91                    | -73.12                           | -143.23                       | -216.48                 | 95.21                             | 56.65                              | 38.56                                | 2.469                     |                |
| 6,200.00                                                                         | 6,190.02                         | 6,201.00                         | 6,188.39                         | 17.53                       | 23.28                    | -77.71                           | -144.99                       | -219.70                 | 94.17                             | 54.82                              | 39.35                                | 2.393                     |                |

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

## Legacy Directional Drilling

### Anticollision Report

|                           |                                |                                     |                                  |
|---------------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Matador Resources Company      | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Project:</b>           | Lea County, New Mexico (NAD27) | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Reference Site:</b>    | Nina Cortell Fed Com           | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | ST01                           | <b>Database:</b>                    | EDM5000                          |
| <b>Reference Design:</b>  | Pan 3                          | <b>Offset TVD Reference:</b>        | Offset Datum                     |

|                                                                                  |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                          |                                     |
|----------------------------------------------------------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------|--------------------------|----------------------------------|-------------------------------|-------------------------|-----------------------------------|------------------------------------|--------------------------------------|--------------------------|-------------------------------------|
| <b>Offset Design:</b> Nina Cortell Fed Com - Nina Cortell Fed Com 133H - OH - OH |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                          | <b>Offset Site Error:</b> 0.00 usft |
| <b>Survey Program:</b> 161-MWD+IGRF                                              |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                          | <b>Offset Well Error:</b> 0.00 usft |
| <b>Reference</b>                                                                 |                                  | <b>Offset</b>                    |                                  | <b>Semi Major Axis</b>      |                          | <b>Highside Toolface<br/>(°)</b> | <b>Offset Wellbore Centre</b> |                         | <b>Distance</b>                   |                                    | <b>Minimum Separation<br/>(usft)</b> | <b>Separation Factor</b> | <b>Warning</b>                      |
| <b>Measured Depth<br/>(usft)</b>                                                 | <b>Vertical Depth<br/>(usft)</b> | <b>Measured Depth<br/>(usft)</b> | <b>Vertical Depth<br/>(usft)</b> | <b>Reference<br/>(usft)</b> | <b>Offset<br/>(usft)</b> |                                  | <b>+N/-S<br/>(usft)</b>       | <b>+E/-W<br/>(usft)</b> | <b>Between Centres<br/>(usft)</b> | <b>Between Ellipses<br/>(usft)</b> |                                      |                          |                                     |
| 6,300.00                                                                         | 6,289.22                         | 6,300.64                         | 6,287.96                         | 17.78                       | 23.64                    | -83.20                           | -146.84                       | -222.97                 | 93.63                             | 53.44                              | 40.19                                | 2.330                    |                                     |
| 6,319.35                                                                         | 6,308.41                         | 6,319.91                         | 6,307.22                         | 17.83                       | 23.70                    | -84.28                           | -147.18                       | -223.61                 | 93.61                             | 53.26                              | 40.36                                | 2.320                    |                                     |
| 6,400.00                                                                         | 6,388.40                         | 6,400.25                         | 6,387.50                         | 18.04                       | 23.99                    | -88.80                           | -148.61                       | -226.22                 | 93.90                             | 52.85                              | 41.04                                | 2.288                    |                                     |
| 6,500.00                                                                         | 6,487.59                         | 6,499.96                         | 6,487.14                         | 18.31                       | 24.34                    | -94.21                           | -150.36                       | -229.69                 | 94.96                             | 53.08                              | 41.89                                | 2.267                    |                                     |
| 6,600.00                                                                         | 6,586.77                         | 6,599.60                         | 6,586.71                         | 18.60                       | 24.70                    | -99.45                           | -152.00                       | -233.18                 | 96.75                             | 54.04                              | 42.71                                | 2.265                    |                                     |
| 6,700.00                                                                         | 6,685.96                         | 6,699.21                         | 6,686.24                         | 18.88                       | 25.06                    | -104.49                          | -153.65                       | -236.64                 | 99.34                             | 55.84                              | 43.50                                | 2.283                    |                                     |
| 6,800.00                                                                         | 6,785.14                         | 6,798.98                         | 6,785.94                         | 19.18                       | 25.41                    | -109.19                          | -155.23                       | -240.26                 | 102.52                            | 58.25                              | 44.27                                | 2.316                    |                                     |
| 6,900.00                                                                         | 6,884.33                         | 6,898.79                         | 6,885.66                         | 19.47                       | 25.77                    | -113.54                          | -156.76                       | -244.04                 | 106.20                            | 61.20                              | 45.00                                | 2.360                    |                                     |
| 7,000.00                                                                         | 6,983.51                         | 6,998.49                         | 6,985.28                         | 19.78                       | 26.13                    | -117.58                          | -158.10                       | -247.95                 | 110.23                            | 64.53                              | 45.70                                | 2.412                    |                                     |
| 7,100.00                                                                         | 7,082.70                         | 7,097.91                         | 7,084.61                         | 20.08                       | 26.48                    | -121.26                          | -159.60                       | -251.81                 | 114.90                            | 68.53                              | 46.37                                | 2.478                    |                                     |
| 7,200.00                                                                         | 7,181.88                         | 7,197.61                         | 7,184.23                         | 20.40                       | 26.84                    | -124.68                          | -161.13                       | -255.58                 | 120.12                            | 73.09                              | 47.03                                | 2.554                    |                                     |
| 7,300.00                                                                         | 7,281.07                         | 7,297.32                         | 7,283.84                         | 20.71                       | 27.20                    | -127.70                          | -162.75                       | -259.63                 | 125.56                            | 77.89                              | 47.66                                | 2.634                    |                                     |
| 7,400.00                                                                         | 7,380.25                         | 7,396.99                         | 7,383.42                         | 21.03                       | 27.55                    | -130.54                          | -164.24                       | -263.55                 | 131.34                            | 83.05                              | 48.29                                | 2.720                    |                                     |
| 7,500.00                                                                         | 7,479.44                         | 7,496.32                         | 7,482.67                         | 21.36                       | 27.91                    | -133.17                          | -165.63                       | -267.35                 | 137.46                            | 88.56                              | 48.90                                | 2.811                    |                                     |
| 7,600.00                                                                         | 7,578.62                         | 7,596.03                         | 7,582.30                         | 21.68                       | 28.27                    | -135.65                          | -166.98                       | -270.97                 | 144.00                            | 94.49                              | 49.51                                | 2.909                    |                                     |
| 7,700.00                                                                         | 7,677.81                         | 7,695.92                         | 7,682.11                         | 22.02                       | 28.63                    | -137.87                          | -168.34                       | -274.79                 | 150.61                            | 100.50                             | 50.11                                | 3.005                    |                                     |
| 7,800.00                                                                         | 7,776.99                         | 7,794.95                         | 7,781.04                         | 22.35                       | 28.99                    | -139.63                          | -170.37                       | -278.82                 | 157.50                            | 106.78                             | 50.72                                | 3.105                    |                                     |
| 7,900.00                                                                         | 7,876.18                         | 7,893.79                         | 7,879.72                         | 22.69                       | 29.35                    | -140.73                          | -173.90                       | -283.04                 | 164.97                            | 113.62                             | 51.35                                | 3.213                    |                                     |
| 8,000.00                                                                         | 7,975.36                         | 7,993.78                         | 7,979.52                         | 23.03                       | 29.71                    | -141.50                          | -178.18                       | -287.53                 | 172.59                            | 120.58                             | 52.01                                | 3.319                    |                                     |
| 8,100.00                                                                         | 8,074.55                         | 8,091.16                         | 8,076.77                         | 23.38                       | 30.07                    | -142.46                          | -181.79                       | -290.96                 | 180.89                            | 128.26                             | 52.63                                | 3.437                    |                                     |
| 8,200.00                                                                         | 8,173.73                         | 8,190.43                         | 8,175.96                         | 23.72                       | 30.43                    | -143.62                          | -184.93                       | -293.54                 | 189.90                            | 136.64                             | 53.26                                | 3.566                    |                                     |
| 8,300.00                                                                         | 8,272.92                         | 8,289.59                         | 8,275.04                         | 24.07                       | 30.79                    | -144.72                          | -187.97                       | -295.91                 | 199.13                            | 145.25                             | 53.88                                | 3.696                    |                                     |
| 8,400.00                                                                         | 8,372.10                         | 8,389.22                         | 8,374.60                         | 24.43                       | 31.14                    | -145.75                          | -191.00                       | -298.09                 | 208.62                            | 154.11                             | 54.51                                | 3.827                    |                                     |
| 8,500.00                                                                         | 8,471.29                         | 8,490.54                         | 8,475.87                         | 24.78                       | 31.51                    | -146.89                          | -193.23                       | -300.72                 | 217.51                            | 162.37                             | 55.15                                | 3.944                    |                                     |
| 8,600.00                                                                         | 8,570.47                         | 8,590.33                         | 8,575.59                         | 25.14                       | 31.87                    | -147.96                          | -195.10                       | -303.68                 | 226.04                            | 170.26                             | 55.77                                | 4.053                    |                                     |
| 8,700.00                                                                         | 8,669.66                         | 8,689.47                         | 8,674.67                         | 25.50                       | 32.22                    | -148.90                          | -197.20                       | -306.59                 | 234.74                            | 178.34                             | 56.40                                | 4.162                    |                                     |
| 8,800.00                                                                         | 8,768.84                         | 8,789.60                         | 8,774.73                         | 25.86                       | 32.58                    | -149.76                          | -199.42                       | -309.50                 | 243.54                            | 186.50                             | 57.04                                | 4.270                    |                                     |
| 8,900.00                                                                         | 8,868.02                         | 8,890.48                         | 8,875.55                         | 26.23                       | 32.95                    | -150.68                          | -201.06                       | -312.79                 | 251.91                            | 194.23                             | 57.68                                | 4.367                    |                                     |
| 9,000.00                                                                         | 8,967.21                         | 8,989.10                         | 8,974.08                         | 26.59                       | 33.30                    | -151.48                          | -202.77                       | -316.26                 | 260.11                            | 201.80                             | 58.31                                | 4.461                    |                                     |
| 9,100.00                                                                         | 9,066.39                         | 9,087.63                         | 9,072.53                         | 26.96                       | 33.66                    | -152.06                          | -205.40                       | -319.30                 | 269.00                            | 210.04                             | 58.96                                | 4.563                    |                                     |
| 9,200.00                                                                         | 9,165.58                         | 9,187.76                         | 9,172.59                         | 27.33                       | 34.02                    | -152.66                          | -207.85                       | -322.28                 | 277.96                            | 218.35                             | 59.61                                | 4.663                    |                                     |
| 9,300.00                                                                         | 9,264.76                         | 9,284.97                         | 9,269.77                         | 27.70                       | 34.37                    | -153.61                          | -208.32                       | -324.64                 | 287.09                            | 226.87                             | 60.22                                | 4.767                    |                                     |
| 9,400.00                                                                         | 9,363.95                         | 9,383.32                         | 9,368.11                         | 28.08                       | 34.72                    | -154.64                          | -208.25                       | -326.12                 | 297.09                            | 236.27                             | 60.82                                | 4.885                    |                                     |
| 9,500.00                                                                         | 9,463.13                         | 9,481.08                         | 9,465.86                         | 28.45                       | 35.05                    | -155.67                          | -207.89                       | -327.22                 | 307.50                            | 246.09                             | 61.41                                | 5.007                    |                                     |
| 9,600.00                                                                         | 9,562.32                         | 9,580.37                         | 9,565.15                         | 28.83                       | 35.39                    | -156.62                          | -207.71                       | -328.04                 | 318.33                            | 256.32                             | 62.02                                | 5.133                    |                                     |
| 9,700.00                                                                         | 9,661.50                         | 9,680.43                         | 9,665.20                         | 29.21                       | 35.75                    | -157.39                          | -208.21                       | -329.12                 | 329.09                            | 266.43                             | 62.65                                | 5.252                    |                                     |
| 9,800.00                                                                         | 9,760.69                         | 9,779.76                         | 9,764.51                         | 29.59                       | 36.10                    | -157.96                          | -209.57                       | -330.43                 | 339.76                            | 276.46                             | 63.30                                | 5.368                    |                                     |
| 9,900.00                                                                         | 9,859.87                         | 9,878.10                         | 9,862.83                         | 29.97                       | 36.45                    | -158.44                          | -211.23                       | -331.62                 | 350.63                            | 286.68                             | 63.94                                | 5.483                    |                                     |
| 10,000.00                                                                        | 9,959.06                         | 9,976.18                         | 9,960.90                         | 30.35                       | 36.78                    | -159.13                          | -211.42                       | -332.32                 | 361.84                            | 297.28                             | 64.56                                | 5.605                    |                                     |
| 10,100.00                                                                        | 10,058.24                        | 10,073.62                        | 10,058.35                        | 30.74                       | 37.09                    | -159.87                          | -210.99                       | -332.52                 | 373.53                            | 308.38                             | 65.15                                | 5.733                    |                                     |
| 10,200.00                                                                        | 10,157.43                        | 10,171.70                        | 10,156.42                        | 31.12                       | 37.41                    | -160.49                          | -211.15                       | -332.45                 | 385.62                            | 319.86                             | 65.76                                | 5.864                    |                                     |
| 10,300.00                                                                        | 10,256.61                        | 10,268.25                        | 10,252.97                        | 31.51                       | 37.73                    | -161.02                          | -211.68                       | -331.89                 | 398.27                            | 331.92                             | 66.36                                | 6.002                    |                                     |
| 10,400.00                                                                        | 10,355.80                        | 10,365.39                        | 10,350.10                        | 31.90                       | 38.04                    | -161.50                          | -212.37                       | -330.90                 | 411.42                            | 344.46                             | 66.96                                | 6.144                    |                                     |
| 10,500.00                                                                        | 10,454.98                        | 10,461.29                        | 10,445.98                        | 32.29                       | 38.35                    | -162.03                          | -212.49                       | -329.04                 | 425.45                            | 357.90                             | 67.55                                | 6.298                    |                                     |
| 10,600.00                                                                        | 10,554.17                        | 10,563.65                        | 10,548.32                        | 32.68                       | 38.67                    | -162.71                          | -211.42                       | -327.32                 | 439.21                            | 371.02                             | 68.19                                | 6.441                    |                                     |
| 10,700.00                                                                        | 10,653.47                        | 10,663.05                        | 10,647.71                        | 33.05                       | 38.99                    | -163.31                          | -210.58                       | -326.00                 | 451.73                            | 382.92                             | 68.80                                | 6.565                    |                                     |
| 10,800.00                                                                        | 10,752.97                        | 10,763.13                        | 10,747.78                        | 33.42                       | 39.31                    | -163.73                          | -210.36                       | -324.74                 | 462.58                            | 393.14                             | 69.44                                | 6.662                    |                                     |
| 10,900.00                                                                        | 10,852.63                        | 10,865.32                        | 10,849.97                        | 33.78                       | 39.64                    | -164.03                          | -210.47                       | -323.85                 | 471.41                            | 401.31                             | 70.10                                | 6.725                    |                                     |
| 11,000.00                                                                        | 10,952.41                        | 10,964.97                        | 10,949.61                        | 34.12                       | 39.97                    | -164.35                          | -209.75                       | -323.43                 | 478.10                            | 407.37                             | 70.73                                | 6.759                    |                                     |
| 11,100.00                                                                        | 11,052.30                        | 11,061.83                        | 11,046.45                        | 34.45                       | 40.28                    | -164.67                          | -208.51                       | -322.53                 | 483.62                            | 412.28                             | 71.34                                | 6.779                    |                                     |
| 11,200.00                                                                        | 11,152.25                        | 11,159.66                        | 11,144.27                        | 34.77                       | 40.59                    | -164.96                          | -206.95                       | -321.09                 | 488.02                            | 416.06                             | 71.95                                | 6.782                    |                                     |
| 11,300.00                                                                        | 11,252.24                        | 11,258.36                        | 11,242.94                        | 35.07                       | 40.90                    | -165.19                          | -205.40                       | -319.33                 | 491.04                            | 418.47                             | 72.58                                | 6.766                    |                                     |

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

## Legacy Directional Drilling

### Anticollision Report

|                           |                                |                                     |                                  |
|---------------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Matador Resources Company      | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Project:</b>           | Lea County, New Mexico (NAD27) | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Reference Site:</b>    | Nina Cortell Fed Com           | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | ST01                           | <b>Database:</b>                    | EDM5000                          |
| <b>Reference Design:</b>  | Pan 3                          | <b>Offset TVD Reference:</b>        | Offset Datum                     |

|                                                                                  |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                          |                                     |
|----------------------------------------------------------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------|--------------------------|----------------------------------|-------------------------------|-------------------------|-----------------------------------|------------------------------------|--------------------------------------|--------------------------|-------------------------------------|
| <b>Offset Design:</b> Nina Cortell Fed Com - Nina Cortell Fed Com 133H - OH - OH |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                          | <b>Offset Site Error:</b> 0.00 usft |
| <b>Survey Program:</b> 161-MWD+IGRF                                              |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                          | <b>Offset Well Error:</b> 0.00 usft |
| <b>Reference</b>                                                                 |                                  | <b>Offset</b>                    |                                  | <b>Semi Major Axis</b>      |                          | <b>Highside Toolface<br/>(°)</b> | <b>Offset Wellbore Centre</b> |                         | <b>Distance</b>                   |                                    | <b>Minimum Separation<br/>(usft)</b> | <b>Separation Factor</b> | <b>Warning</b>                      |
| <b>Measured Depth<br/>(usft)</b>                                                 | <b>Vertical Depth<br/>(usft)</b> | <b>Measured Depth<br/>(usft)</b> | <b>Vertical Depth<br/>(usft)</b> | <b>Reference<br/>(usft)</b> | <b>Offset<br/>(usft)</b> |                                  | <b>+N/-S<br/>(usft)</b>       | <b>+E/-W<br/>(usft)</b> | <b>Between Centres<br/>(usft)</b> | <b>Between Ellipses<br/>(usft)</b> |                                      |                          |                                     |
| 11,400.00                                                                        | 11,352.24                        | 11,357.99                        | 11,342.53                        | 35.35                       | 41.23                    | 90.15                            | -204.20                       | -317.20                 | 493.22                            | 420.02                             | 73.20                                | 6.738                    |                                     |
| 11,500.00                                                                        | 11,452.24                        | 11,476.38                        | 11,460.36                        | 35.62                       | 41.64                    | 88.97                            | -194.01                       | -317.31                 | 493.17                            | 419.07                             | 74.10                                | 6.655                    |                                     |
| 11,596.49                                                                        | 11,548.56                        | 11,570.36                        | 11,550.35                        | 35.91                       | 42.74                    | 92.07                            | -167.56                       | -319.97                 | 491.79                            | 417.17                             | 74.62                                | 6.591                    |                                     |
| 11,600.00                                                                        | 11,552.10                        | 11,572.93                        | 11,552.74                        | 35.93                       | 42.78                    | 91.84                            | -166.62                       | -320.03                 | 491.75                            | 417.12                             | 74.62                                | 6.590                    |                                     |
| 11,700.00                                                                        | 11,650.49                        | 11,652.51                        | 11,624.82                        | 36.24                       | 43.85                    | 89.24                            | -133.03                       | -321.25                 | 494.23                            | 419.26                             | 74.97                                | 6.593                    |                                     |
| 11,800.00                                                                        | 11,745.50                        | 11,718.00                        | 11,681.30                        | 36.54                       | 44.46                    | 86.99                            | -99.92                        | -320.25                 | 501.92                            | 426.80                             | 75.12                                | 6.682                    |                                     |
| 11,900.00                                                                        | 11,834.80                        | 11,786.48                        | 11,736.41                        | 36.77                       | 45.07                    | 84.45                            | -59.59                        | -316.09                 | 515.37                            | 439.99                             | 75.38                                | 6.837                    |                                     |
| 12,000.00                                                                        | 11,915.02                        | 11,882.67                        | 11,804.44                        | 37.03                       | 46.01                    | 81.67                            | 7.70                          | -307.48                 | 532.65                            | 456.26                             | 76.39                                | 6.972                    |                                     |
| 12,100.00                                                                        | 11,983.70                        | 11,980.07                        | 11,865.18                        | 37.23                       | 46.56                    | 79.70                            | 83.69                         | -302.88                 | 546.09                            | 468.82                             | 77.27                                | 7.068                    |                                     |
| 12,200.00                                                                        | 12,038.74                        | 12,149.81                        | 11,953.20                        | 37.37                       | 47.79                    | 78.77                            | 227.15                        | -310.97                 | 549.82                            | 469.67                             | 80.15                                | 6.860                    |                                     |
| 12,286.49                                                                        | 12,074.06                        | 12,228.77                        | 11,972.87                        | 37.46                       | 48.37                    | 77.62                            | 302.21                        | -324.90                 | 545.77                            | 464.55                             | 81.22                                | 6.720                    |                                     |
| 12,300.00                                                                        | 12,078.48                        | 12,239.05                        | 11,974.39                        | 37.48                       | 48.42                    | 77.47                            | 312.21                        | -326.79                 | 545.14                            | 463.85                             | 81.29                                | 6.706                    |                                     |
| 12,382.41                                                                        | 12,098.85                        | 12,302.15                        | 11,979.10                        | 37.58                       | 48.66                    | 76.57                            | 374.06                        | -338.14                 | 541.59                            | 459.88                             | 81.71                                | 6.628                    |                                     |
| 12,400.00                                                                        | 12,101.70                        | 12,316.12                        | 11,979.71                        | 37.61                       | 48.70                    | 76.44                            | 387.82                        | -340.48                 | 540.86                            | 459.05                             | 81.81                                | 6.611                    |                                     |
| 12,482.49                                                                        | 12,108.65                        | 12,374.00                        | 11,982.18                        | 37.77                       | 48.90                    | 76.35                            | 444.98                        | -349.24                 | 537.57                            | 455.47                             | 82.10                                | 6.548                    |                                     |
| 12,500.00                                                                        | 12,107.84                        | 12,395.91                        | 11,983.05                        | 37.82                       | 48.98                    | 76.55                            | 466.68                        | -352.15                 | 536.56                            | 454.19                             | 82.38                                | 6.514                    |                                     |
| 12,593.59                                                                        | 12,107.35                        | 12,467.00                        | 11,985.11                        | 38.12                       | 49.27                    | 76.78                            | 537.28                        | -360.15                 | 534.36                            | 451.46                             | 82.90                                | 6.446                    |                                     |
| 12,600.00                                                                        | 12,107.31                        | 12,467.00                        | 11,985.11                        | 38.15                       | 49.27                    | 76.78                            | 537.28                        | -360.15                 | 534.57                            | 451.74                             | 82.83                                | 6.454                    |                                     |
| 12,621.33                                                                        | 12,107.20                        | 12,487.70                        | 11,985.53                        | 38.23                       | 49.37                    | 76.84                            | 557.90                        | -361.94                 | 534.52                            | 451.42                             | 83.10                                | 6.432                    |                                     |
| 12,700.00                                                                        | 12,106.79                        | 12,539.28                        | 11,986.44                        | 38.61                       | 49.62                    | 77.00                            | 609.40                        | -364.56                 | 535.77                            | 452.28                             | 83.48                                | 6.418                    |                                     |
| 12,800.00                                                                        | 12,106.27                        | 12,628.65                        | 11,987.30                        | 39.22                       | 50.05                    | 77.23                            | 698.76                        | -365.32                 | 538.54                            | 453.91                             | 84.62                                | 6.364                    |                                     |
| 12,822.16                                                                        | 12,106.15                        | 12,650.92                        | 11,987.28                        | 39.36                       | 50.17                    | 77.25                            | 721.03                        | -365.52                 | 538.80                            | 453.86                             | 84.93                                | 6.344                    |                                     |
| 12,900.00                                                                        | 12,105.75                        | 12,719.12                        | 11,986.36                        | 39.90                       | 50.50                    | 77.20                            | 789.22                        | -365.72                 | 539.37                            | 453.65                             | 85.72                                | 6.292                    |                                     |
| 12,918.82                                                                        | 12,105.65                        | 12,735.53                        | 11,985.91                        | 40.04                       | 50.58                    | 77.17                            | 805.63                        | -365.63                 | 539.71                            | 453.80                             | 85.91                                | 6.282                    |                                     |
| 13,000.00                                                                        | 12,105.23                        | 12,808.31                        | 11,983.17                        | 40.68                       | 50.97                    | 76.97                            | 878.35                        | -364.63                 | 542.02                            | 455.20                             | 86.82                                | 6.243                    |                                     |
| 13,100.00                                                                        | 12,104.71                        | 12,911.12                        | 11,979.27                        | 41.55                       | 51.57                    | 76.70                            | 981.05                        | -362.29                 | 545.78                            | 457.35                             | 88.43                                | 6.172                    |                                     |
| 13,120.27                                                                        | 12,104.60                        | 12,933.45                        | 11,978.94                        | 41.74                       | 51.71                    | 76.69                            | 1,003.38                      | -361.86                 | 546.37                            | 457.54                             | 88.83                                | 6.151                    |                                     |
| 13,200.00                                                                        | 12,104.19                        | 13,015.39                        | 11,978.30                        | 42.50                       | 52.25                    | 76.72                            | 1,085.30                      | -360.48                 | 548.35                            | 458.10                             | 90.25                                | 6.076                    |                                     |
| 13,220.97                                                                        | 12,104.08                        | 13,036.98                        | 11,978.17                        | 42.71                       | 52.40                    | 76.73                            | 1,106.89                      | -360.16                 | 548.82                            | 458.17                             | 90.65                                | 6.054                    |                                     |
| 13,300.00                                                                        | 12,103.67                        | 13,118.65                        | 11,977.58                        | 43.52                       | 52.99                    | 76.75                            | 1,188.54                      | -359.24                 | 550.34                            | 458.17                             | 92.17                                | 5.971                    |                                     |
| 13,322.28                                                                        | 12,103.55                        | 13,142.29                        | 11,977.39                        | 43.76                       | 53.18                    | 76.75                            | 1,212.19                      | -359.07                 | 550.69                            | 458.05                             | 92.64                                | 5.944                    |                                     |
| 13,400.00                                                                        | 12,103.14                        | 13,224.36                        | 11,976.84                        | 44.60                       | 53.83                    | 76.76                            | 1,294.26                      | -358.92                 | 551.47                            | 457.17                             | 94.30                                | 5.848                    |                                     |
| 13,422.31                                                                        | 12,103.03                        | 13,246.53                        | 11,976.69                        | 44.85                       | 54.02                    | 76.76                            | 1,316.42                      | -358.95                 | 551.62                            | 456.87                             | 94.75                                | 5.822                    |                                     |
| 13,500.00                                                                        | 12,102.62                        | 13,323.11                        | 11,975.90                        | 45.74                       | 54.68                    | 76.73                            | 1,393.00                      | -359.08                 | 552.19                            | 455.90                             | 96.29                                | 5.734                    |                                     |
| 13,521.34                                                                        | 12,102.51                        | 13,343.39                        | 11,975.66                        | 45.99                       | 54.87                    | 76.72                            | 1,413.28                      | -359.08                 | 552.40                            | 455.69                             | 96.71                                | 5.712                    |                                     |
| 13,600.00                                                                        | 12,102.10                        | 13,418.98                        | 11,974.72                        | 46.93                       | 55.57                    | 76.69                            | 1,488.87                      | -358.72                 | 553.51                            | 455.23                             | 98.27                                | 5.632                    |                                     |
| 13,621.26                                                                        | 12,102.01                        | 13,440.47                        | 11,974.45                        | 47.19                       | 55.77                    | 76.68                            | 1,510.35                      | -358.58                 | 553.85                            | 455.10                             | 98.75                                | 5.609                    |                                     |
| 13,700.00                                                                        | 12,102.07                        | 13,520.62                        | 11,973.43                        | 48.16                       | 56.56                    | 76.60                            | 1,590.50                      | -358.14                 | 555.14                            | 454.60                             | 100.54                               | 5.522                    |                                     |
| 13,722.28                                                                        | 12,102.07                        | 13,543.78                        | 11,973.16                        | 48.44                       | 56.79                    | 76.58                            | 1,613.65                      | -358.06                 | 555.45                            | 454.37                             | 101.08                               | 5.495                    |                                     |
| 13,800.00                                                                        | 12,102.07                        | 13,626.01                        | 11,972.51                        | 49.44                       | 57.65                    | 76.53                            | 1,695.87                      | -358.07                 | 556.21                            | 453.16                             | 103.05                               | 5.397                    |                                     |
| 13,898.60                                                                        | 12,102.06                        | 13,727.18                        | 11,973.11                        | 50.74                       | 58.74                    | 76.59                            | 1,797.04                      | -358.82                 | 556.14                            | 450.60                             | 105.54                               | 5.269                    |                                     |
| 13,900.00                                                                        | 12,102.06                        | 13,728.48                        | 11,973.11                        | 50.76                       | 58.76                    | 76.59                            | 1,798.35                      | -358.83                 | 556.14                            | 450.57                             | 105.57                               | 5.268                    |                                     |
| 13,922.66                                                                        | 12,102.06                        | 13,749.70                        | 11,973.13                        | 51.06                       | 58.99                    | 76.60                            | 1,819.56                      | -358.96                 | 556.18                            | 450.11                             | 106.07                               | 5.243                    |                                     |
| 14,000.00                                                                        | 12,102.06                        | 13,827.05                        | 11,972.61                        | 52.11                       | 59.87                    | 76.55                            | 1,896.91                      | -359.31                 | 556.57                            | 448.59                             | 107.98                               | 5.154                    |                                     |
| 14,079.38                                                                        | 12,102.06                        | 13,910.79                        | 11,971.79                        | 53.21                       | 60.86                    | 76.46                            | 1,980.64                      | -360.27                 | 556.50                            | 446.34                             | 110.16                               | 5.052                    |                                     |
| 14,100.00                                                                        | 12,102.06                        | 13,932.54                        | 11,971.51                        | 53.50                       | 61.12                    | 76.43                            | 2,002.39                      | -360.64                 | 556.38                            | 445.65                             | 110.73                               | 5.025                    |                                     |
| 14,180.83                                                                        | 12,102.06                        | 14,019.54                        | 11,970.26                        | 54.65                       | 62.18                    | 76.27                            | 2,089.35                      | -362.71                 | 555.43                            | 442.38                             | 113.06                               | 4.913                    |                                     |
| 14,200.00                                                                        | 12,102.05                        | 14,040.49                        | 11,970.01                        | 54.92                       | 62.44                    | 76.23                            | 2,110.28                      | -363.36                 | 555.06                            | 441.44                             | 113.62                               | 4.885                    |                                     |
| 14,280.83                                                                        | 12,102.05                        | 14,118.87                        | 11,969.12                        | 56.09                       | 63.43                    | 76.10                            | 2,188.62                      | -365.97                 | 553.32                            | 437.67                             | 115.65                               | 4.784                    |                                     |
| 14,300.00                                                                        | 12,102.05                        | 14,136.51                        | 11,968.86                        | 56.37                       | 63.66                    | 76.06                            | 2,206.25                      | -366.45                 | 553.03                            | 436.93                             | 116.09                               | 4.764                    |                                     |
| 14,361.01                                                                        | 12,102.05                        | 14,189.81                        | 11,968.01                        | 57.27                       | 64.35                    | 75.96                            | 2,259.53                      | -367.55                 | 552.54                            | 435.13                             | 117.40                               | 4.706                    |                                     |
| 14,400.00                                                                        | 12,102.05                        | 14,222.59                        | 11,967.61                        | 57.84                       | 64.78                    | 75.92                            | 2,292.31                      | -367.73                 | 552.75                            | 434.57                             | 118.19                               | 4.677                    |                                     |

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

## Legacy Directional Drilling

### Anticollision Report

|                           |                                |                                     |                                  |
|---------------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Matador Resources Company      | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Project:</b>           | Lea County, New Mexico (NAD27) | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Reference Site:</b>    | Nina Cortell Fed Com           | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | ST01                           | <b>Database:</b>                    | EDM5000                          |
| <b>Reference Design:</b>  | Pan 3                          | <b>Offset TVD Reference:</b>        | Offset Datum                     |

|                                                                                  |                              |                              |                              |                  |               |                              |                               |                 |                               |                                |                                  |                          |                                     |
|----------------------------------------------------------------------------------|------------------------------|------------------------------|------------------------------|------------------|---------------|------------------------------|-------------------------------|-----------------|-------------------------------|--------------------------------|----------------------------------|--------------------------|-------------------------------------|
| <b>Offset Design:</b> Nina Cortell Fed Com - Nina Cortell Fed Com 133H - OH - OH |                              |                              |                              |                  |               |                              |                               |                 |                               |                                |                                  |                          | <b>Offset Site Error:</b> 0.00 usft |
| <b>Survey Program:</b> 161-MWD+IGRF                                              |                              |                              |                              |                  |               |                              |                               |                 |                               |                                |                                  |                          | <b>Offset Well Error:</b> 0.00 usft |
| <b>Reference</b>                                                                 | <b>Offset</b>                | <b>Rule Assigned:</b>        |                              |                  |               |                              |                               |                 |                               |                                |                                  |                          |                                     |
| <b>Measured Depth (usft)</b>                                                     | <b>Vertical Depth (usft)</b> | <b>Measured Depth (usft)</b> | <b>Vertical Depth (usft)</b> | <b>Reference</b> | <b>Offset</b> | <b>Highside Toolface (°)</b> | <b>Offset Wellbore Centre</b> | <b>Distance</b> | <b>Between Centres (usft)</b> | <b>Between Ellipses (usft)</b> | <b>Minimum Separation (usft)</b> | <b>Separation Factor</b> | <b>Warning</b>                      |
| 14,420.77                                                                        | 12,102.05                    | 14,240.05                    | 11,967.44                    | 58.15            | 65.01         | 75.91                        | 2,309.77                      | -367.66         | 553.05                        | 434.44                         | 118.61                           | 4.663                    |                                     |
| 14,500.00                                                                        | 12,102.05                    | 14,318.93                    | 11,967.07                    | 59.34            | 66.05         | 75.91                        | 2,388.64                      | -366.79         | 554.61                        | 433.81                         | 120.80                           | 4.591                    |                                     |
| 14,521.79                                                                        | 12,102.05                    | 14,341.45                    | 11,967.06                    | 59.67            | 66.35         | 75.92                        | 2,411.16                      | -366.58         | 554.99                        | 433.53                         | 121.45                           | 4.570                    |                                     |
| 14,600.00                                                                        | 12,102.04                    | 14,422.59                    | 11,966.89                    | 60.87            | 67.45         | 75.93                        | 2,492.30                      | -366.12         | 556.07                        | 432.27                         | 123.80                           | 4.492                    |                                     |
| 14,679.20                                                                        | 12,102.04                    | 14,509.93                    | 11,966.39                    | 62.09            | 68.65         | 75.89                        | 2,579.63                      | -366.53         | 556.46                        | 430.03                         | 126.43                           | 4.401                    |                                     |
| 14,700.00                                                                        | 12,102.04                    | 14,533.24                    | 11,966.33                    | 62.41            | 68.97         | 75.88                        | 2,602.94                      | -366.87         | 556.34                        | 429.21                         | 127.14                           | 4.376                    |                                     |
| 14,739.21                                                                        | 12,102.04                    | 14,568.05                    | 11,966.16                    | 63.02            | 69.46         | 75.86                        | 2,637.75                      | -367.35         | 556.17                        | 428.10                         | 128.08                           | 4.342                    |                                     |
| 14,800.00                                                                        | 12,102.04                    | 14,621.43                    | 11,965.42                    | 63.97            | 70.22         | 75.79                        | 2,691.12                      | -367.61         | 556.58                        | 427.09                         | 129.49                           | 4.298                    |                                     |
| 14,823.24                                                                        | 12,102.04                    | 14,645.68                    | 11,964.90                    | 64.34            | 70.57         | 75.74                        | 2,715.37                      | -367.60         | 556.90                        | 426.69                         | 130.21                           | 4.277                    |                                     |
| 14,900.00                                                                        | 12,102.03                    | 14,732.07                    | 11,962.31                    | 65.55            | 71.82         | 75.47                        | 2,801.71                      | -368.78         | 557.05                        | 424.22                         | 132.83                           | 4.194                    |                                     |
| 14,979.55                                                                        | 12,102.03                    | 14,812.51                    | 11,959.62                    | 66.83            | 73.00         | 75.17                        | 2,882.08                      | -370.68         | 556.54                        | 421.40                         | 135.14                           | 4.118                    |                                     |
| 15,000.00                                                                        | 12,102.03                    | 14,834.37                    | 11,958.91                    | 67.15            | 73.33         | 75.09                        | 2,903.92                      | -371.23         | 556.37                        | 420.59                         | 135.78                           | 4.097                    |                                     |
| 15,080.36                                                                        | 12,102.03                    | 14,919.43                    | 11,955.42                    | 68.45            | 74.59         | 74.68                        | 2,988.86                      | -374.22         | 555.13                        | 416.88                         | 138.25                           | 4.015                    |                                     |
| 15,100.00                                                                        | 12,102.03                    | 14,936.64                    | 11,954.74                    | 68.77            | 74.86         | 74.60                        | 3,006.04                      | -374.83         | 554.81                        | 416.11                         | 138.71                           | 4.000                    |                                     |
| 15,161.23                                                                        | 12,102.03                    | 14,990.34                    | 11,953.42                    | 69.76            | 75.67         | 74.45                        | 3,059.71                      | -376.01         | 554.40                        | 414.23                         | 140.17                           | 3.955                    |                                     |
| 15,200.00                                                                        | 12,102.03                    | 15,026.73                    | 11,953.11                    | 70.40            | 76.22         | 74.42                        | 3,096.10                      | -376.28         | 554.52                        | 413.29                         | 141.23                           | 3.926                    |                                     |
| 15,222.42                                                                        | 12,102.03                    | 15,048.93                    | 11,952.89                    | 70.76            | 76.56         | 74.40                        | 3,118.30                      | -376.41         | 554.62                        | 412.71                         | 141.91                           | 3.908                    |                                     |
| 15,300.00                                                                        | 12,102.02                    | 15,122.86                    | 11,951.89                    | 72.04            | 77.69         | 74.31                        | 3,192.22                      | -376.83         | 555.10                        | 411.03                         | 144.08                           | 3.853                    |                                     |
| 15,320.22                                                                        | 12,102.02                    | 15,140.54                    | 11,951.65                    | 72.37            | 77.96         | 74.29                        | 3,209.90                      | -376.79         | 555.38                        | 410.81                         | 144.57                           | 3.842                    |                                     |
| 15,400.00                                                                        | 12,102.02                    | 15,211.99                    | 11,950.76                    | 73.70            | 79.05         | 74.25                        | 3,281.33                      | -375.79         | 557.34                        | 410.75                         | 146.59                           | 3.802                    |                                     |
| 15,419.59                                                                        | 12,102.02                    | 15,231.14                    | 11,950.45                    | 74.02            | 79.35         | 74.23                        | 3,300.47                      | -375.42         | 557.95                        | 410.78                         | 147.17                           | 3.791                    |                                     |
| 15,500.00                                                                        | 12,102.02                    | 15,311.38                    | 11,948.36                    | 75.36            | 80.58         | 74.08                        | 3,380.67                      | -373.93         | 560.58                        | 410.99                         | 149.60                           | 3.747                    |                                     |
| 15,520.76                                                                        | 12,102.02                    | 15,333.27                    | 11,947.66                    | 75.71            | 80.92         | 74.03                        | 3,402.55                      | -373.61         | 561.22                        | 410.94                         | 150.28                           | 3.735                    |                                     |
| 15,600.00                                                                        | 12,102.01                    | 15,419.38                    | 11,944.78                    | 77.04            | 82.27         | 73.79                        | 3,488.61                      | -372.91         | 563.20                        | 410.21                         | 153.00                           | 3.681                    |                                     |
| 15,622.96                                                                        | 12,102.01                    | 15,445.42                    | 11,944.05                    | 77.43            | 82.68         | 73.72                        | 3,514.64                      | -372.93         | 563.55                        | 409.71                         | 153.84                           | 3.663                    |                                     |
| 15,700.00                                                                        | 12,102.01                    | 15,528.72                    | 11,942.59                    | 78.73            | 84.00         | 73.58                        | 3,597.92                      | -373.58         | 563.95                        | 407.44                         | 156.51                           | 3.603                    |                                     |
| 15,779.86                                                                        | 12,102.01                    | 15,614.61                    | 11,943.15                    | 80.09            | 85.37         | 73.63                        | 3,683.80                      | -374.41         | 563.69                        | 404.32                         | 159.37                           | 3.537                    |                                     |
| 15,800.00                                                                        | 12,102.01                    | 15,636.86                    | 11,943.57                    | 80.43            | 85.72         | 73.67                        | 3,706.04                      | -374.74         | 563.45                        | 403.33                         | 160.13                           | 3.519                    |                                     |
| 15,881.73                                                                        | 12,102.01                    | 15,726.70                    | 11,945.89                    | 81.83            | 87.17         | 73.86                        | 3,795.83                      | -376.73         | 561.76                        | 398.54                         | 163.22                           | 3.442                    |                                     |
| 15,900.00                                                                        | 12,102.01                    | 15,746.74                    | 11,946.43                    | 82.14            | 87.50         | 73.90                        | 3,815.86                      | -377.35         | 561.23                        | 397.32                         | 163.91                           | 3.424                    |                                     |
| 15,982.25                                                                        | 12,102.00                    | 15,829.97                    | 11,948.82                    | 83.55            | 88.85         | 74.07                        | 3,899.01                      | -380.18         | 558.53                        | 391.81                         | 166.72                           | 3.350                    |                                     |
| 16,000.00                                                                        | 12,102.00                    | 15,847.65                    | 11,949.39                    | 83.86            | 89.14         | 74.12                        | 3,916.67                      | -380.77         | 557.95                        | 390.63                         | 167.32                           | 3.335                    |                                     |
| 16,080.40                                                                        | 12,101.99                    | 15,917.28                    | 11,951.75                    | 85.24            | 90.29         | 74.32                        | 3,986.23                      | -382.42         | 556.01                        | 386.42                         | 169.59                           | 3.278                    |                                     |
| 16,100.00                                                                        | 12,102.00                    | 15,933.92                    | 11,952.34                    | 85.58            | 90.56         | 74.38                        | 4,002.86                      | -382.57         | 555.81                        | 385.68                         | 170.13                           | 3.267                    |                                     |
| 16,148.35                                                                        | 12,101.96                    | 15,977.66                    | 11,953.82                    | 86.42            | 91.28         | 74.54                        | 4,046.58                      | -382.64         | 555.66                        | 384.07                         | 171.59                           | 3.238                    |                                     |
| 16,200.00                                                                        | 12,101.80                    | 16,026.49                    | 11,954.85                    | 87.31            | 92.09         | 74.67                        | 4,095.39                      | -382.60         | 555.76                        | 382.54                         | 173.23                           | 3.208                    |                                     |
| 16,220.93                                                                        | 12,101.76                    | 16,045.00                    | 11,955.05                    | 87.68            | 92.39         | 74.70                        | 4,113.91                      | -382.57         | 555.89                        | 382.08                         | 173.81                           | 3.198                    |                                     |
| 16,300.00                                                                        | 12,101.60                    | 16,113.28                    | 11,955.30                    | 89.06            | 93.52         | 74.77                        | 4,182.18                      | -381.76         | 557.30                        | 381.41                         | 175.88                           | 3.169                    |                                     |
| 16,400.00                                                                        | 12,101.40                    | 16,208.53                    | 11,954.99                    | 90.80            | 95.09         | 74.85                        | 4,277.39                      | -379.04         | 560.85                        | 381.87                         | 178.97                           | 3.134                    |                                     |
| 16,500.00                                                                        | 12,101.20                    | 16,305.98                    | 11,954.35                    | 92.56            | 96.70         | 74.91                        | 4,374.79                      | -376.03         | 564.72                        | 382.54                         | 182.18                           | 3.100                    |                                     |
| 16,600.00                                                                        | 12,101.00                    | 16,410.92                    | 11,952.93                    | 94.32            | 98.45         | 74.89                        | 4,479.68                      | -373.03         | 568.57                        | 382.77                         | 185.80                           | 3.060                    |                                     |
| 16,620.39                                                                        | 12,100.96                    | 16,432.53                    | 11,952.62                    | 94.68            | 98.81         | 74.88                        | 4,501.28                      | -372.57         | 569.21                        | 382.66                         | 186.54                           | 3.051                    |                                     |
| 16,700.00                                                                        | 12,100.80                    | 16,515.87                    | 11,952.08                    | 96.08            | 100.21        | 74.91                        | 4,584.60                      | -371.00         | 571.36                        | 381.93                         | 189.44                           | 3.016                    |                                     |
| 16,721.05                                                                        | 12,100.76                    | 16,537.37                    | 11,952.09                    | 96.46            | 100.58        | 74.92                        | 4,606.10                      | -370.64         | 571.86                        | 381.67                         | 190.18                           | 3.007                    |                                     |
| 16,800.00                                                                        | 12,100.60                    | 16,618.87                    | 11,952.28                    | 97.86            | 101.95        | 75.01                        | 4,687.59                      | -369.39         | 573.55                        | 380.51                         | 193.04                           | 2.971                    |                                     |
| 16,823.00                                                                        | 12,100.55                    | 16,644.80                    | 11,952.43                    | 98.26            | 102.39        | 75.04                        | 4,713.52                      | -369.12         | 573.91                        | 379.92                         | 193.99                           | 2.958                    |                                     |
| 16,900.00                                                                        | 12,100.40                    | 16,727.69                    | 11,953.27                    | 99.63            | 103.80        | 75.16                        | 4,796.40                      | -368.99         | 574.37                        | 377.39                         | 196.98                           | 2.916                    |                                     |
| 16,922.46                                                                        | 12,100.36                    | 16,749.26                    | 11,953.50                    | 100.03           | 104.17        | 75.19                        | 4,817.97                      | -369.01         | 574.45                        | 376.73                         | 197.72                           | 2.905                    |                                     |
| 17,000.00                                                                        | 12,100.20                    | 16,824.35                    | 11,954.15                    | 101.41           | 105.46        | 75.28                        | 4,893.06                      | -368.84         | 575.01                        | 374.71                         | 200.30                           | 2.871                    |                                     |
| 17,022.10                                                                        | 12,100.16                    | 16,846.14                    | 11,954.34                    | 101.81           | 105.83        | 75.31                        | 4,914.85                      | -368.74         | 575.22                        | 374.16                         | 201.06                           | 2.861                    |                                     |
| 17,100.00                                                                        | 12,100.00                    | 16,922.38                    | 11,955.18                    | 103.20           | 107.14        | 75.44                        | 4,991.08                      | -368.25         | 576.05                        | 372.33                         | 203.71                           | 2.828                    |                                     |
| 17,121.84                                                                        | 12,099.96                    | 16,943.49                    | 11,955.43                    | 103.59           | 107.50        | 75.47                        | 5,012.19                      | -368.06         | 576.33                        | 371.88                         | 204.45                           | 2.819                    |                                     |

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

## Legacy Directional Drilling

### Anticollision Report

|                           |                                |                                     |                                  |
|---------------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Matador Resources Company      | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Project:</b>           | Lea County, New Mexico (NAD27) | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Reference Site:</b>    | Nina Cortell Fed Com           | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | ST01                           | <b>Database:</b>                    | EDM5000                          |
| <b>Reference Design:</b>  | Pan 3                          | <b>Offset TVD Reference:</b>        | Offset Datum                     |

|                                                                                  |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                                  |                          |                                     |
|----------------------------------------------------------------------------------|------------------------------|------------------------------|------------------------------|-------------------------|----------------------|------------------------------|-------------------------------|---------------------|-------------------------------|--------------------------------|----------------------------------|--------------------------|-------------------------------------|
| <b>Offset Design:</b> Nina Cortell Fed Com - Nina Cortell Fed Com 133H - OH - OH |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                                  |                          | <b>Offset Site Error:</b> 0.00 usft |
| <b>Survey Program:</b> 161-MWD+IGRF                                              |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                                  |                          | <b>Offset Well Error:</b> 0.00 usft |
| <b>Reference</b>                                                                 |                              | <b>Offset</b>                |                              | <b>Semi Major Axis</b>  |                      | <b>Highside Toolface (°)</b> | <b>Offset Wellbore Centre</b> |                     | <b>Distance</b>               |                                | <b>Minimum Separation (usft)</b> | <b>Separation Factor</b> | <b>Warning</b>                      |
| <b>Measured Depth (usft)</b>                                                     | <b>Vertical Depth (usft)</b> | <b>Measured Depth (usft)</b> | <b>Vertical Depth (usft)</b> | <b>Reference (usft)</b> | <b>Offset (usft)</b> |                              | <b>+N/-S (usft)</b>           | <b>+E/-W (usft)</b> | <b>Between Centres (usft)</b> | <b>Between Ellipses (usft)</b> |                                  |                          |                                     |
| 17,200.00                                                                        | 12,099.80                    | 17,023.66                    | 11,956.55                    | 104.99                  | 108.88               | 75.63                        | 5,092.35                      | -367.19             | 577.45                        | 370.11                         | 207.34                           | 2.785                    |                                     |
| 17,279.60                                                                        | 12,099.64                    | 17,111.85                    | 11,958.71                    | 106.42                  | 110.40               | 75.88                        | 5,180.51                      | -367.07             | 577.67                        | 366.98                         | 210.68                           | 2.742                    |                                     |
| 17,300.00                                                                        | 12,099.60                    | 17,134.34                    | 11,959.30                    | 106.79                  | 110.79               | 75.94                        | 5,202.99                      | -367.23             | 577.54                        | 366.01                         | 211.53                           | 2.730                    |                                     |
| 17,381.32                                                                        | 12,099.44                    | 17,222.33                    | 11,961.54                    | 108.25                  | 112.32               | 76.16                        | 5,290.94                      | -368.66             | 576.35                        | 361.56                         | 214.79                           | 2.683                    |                                     |
| 17,400.00                                                                        | 12,099.40                    | 17,242.20                    | 11,962.05                    | 108.58                  | 112.67               | 76.20                        | 5,310.80                      | -369.11             | 575.96                        | 360.44                         | 215.52                           | 2.672                    |                                     |
| 17,480.66                                                                        | 12,099.24                    | 17,317.66                    | 11,964.11                    | 110.04                  | 113.99               | 76.39                        | 5,386.21                      | -370.77             | 574.31                        | 356.09                         | 218.22                           | 2.632                    |                                     |
| 17,500.00                                                                        | 12,099.20                    | 17,334.43                    | 11,964.65                    | 110.39                  | 114.29               | 76.45                        | 5,402.97                      | -370.95             | 574.11                        | 355.29                         | 218.82                           | 2.624                    |                                     |
| 17,585.24                                                                        | 12,099.04                    | 17,448.30                    | 11,968.98                    | 111.93                  | 116.32               | 76.85                        | 5,516.72                      | -373.31             | 572.60                        | 349.38                         | 223.22                           | 2.565                    |                                     |
| 17,600.00                                                                        | 12,099.00                    | 17,473.41                    | 11,970.02                    | 112.19                  | 116.77               | 76.93                        | 5,541.75                      | -374.99             | 571.60                        | 347.52                         | 224.08                           | 2.551                    |                                     |
| 17,683.57                                                                        | 12,099.17                    | 17,537.03                    | 11,971.56                    | 113.70                  | 117.92               | 76.98                        | 5,605.26                      | -378.47             | 567.23                        | 340.75                         | 226.48                           | 2.505                    |                                     |
| 17,700.00                                                                        | 12,099.60                    | 17,555.00                    | 11,971.72                    | 114.00                  | 118.25               | 76.93                        | 5,623.20                      | -379.28             | 566.71                        | 339.63                         | 227.08                           | 2.496                    |                                     |
| 17,780.90                                                                        | 12,100.17                    | 17,622.85                    | 11,972.15                    | 115.47                  | 119.45               | 76.88                        | 5,691.01                      | -381.65             | 564.55                        | 335.17                         | 229.37                           | 2.461                    |                                     |
| 17,800.00                                                                        | 12,100.30                    | 17,639.96                    | 11,972.27                    | 115.81                  | 119.75               | 76.88                        | 5,708.12                      | -382.09             | 564.22                        | 334.26                         | 229.95                           | 2.454                    |                                     |
| 17,881.84                                                                        | 12,100.88                    | 17,727.05                    | 11,973.47                    | 117.30                  | 121.30               | 76.90                        | 5,795.17                      | -384.33             | 562.68                        | 329.61                         | 233.07                           | 2.414                    |                                     |
| 17,900.00                                                                        | 12,101.01                    | 17,746.80                    | 11,973.93                    | 117.63                  | 121.64               | 76.92                        | 5,814.90                      | -384.95             | 562.20                        | 328.41                         | 233.79                           | 2.405                    |                                     |
| 17,948.25                                                                        | 12,101.35                    | 17,779.46                    | 11,974.57                    | 118.51                  | 122.23               | 76.95                        | 5,847.55                      | -385.52             | 561.60                        | 326.79                         | 234.81                           | 2.392                    |                                     |
| 18,000.00                                                                        | 12,101.72                    | 17,815.92                    | 11,974.99                    | 119.45                  | 122.88               | 76.98                        | 5,884.00                      | -385.26             | 562.30                        | 326.49                         | 235.81                           | 2.385                    |                                     |
| 18,100.00                                                                        | 12,102.42                    | 17,913.16                    | 11,975.29                    | 121.27                  | 124.61               | 77.03                        | 5,981.20                      | -382.38             | 566.04                        | 326.83                         | 239.21                           | 2.366                    |                                     |
| 18,200.00                                                                        | 12,103.13                    | 18,009.09                    | 11,974.96                    | 123.10                  | 126.31               | 77.00                        | 6,077.11                      | -380.11             | 569.37                        | 326.91                         | 242.46                           | 2.348                    |                                     |
| 18,300.00                                                                        | 12,103.83                    | 18,110.35                    | 11,973.31                    | 124.93                  | 128.10               | 76.85                        | 6,178.31                      | -377.37             | 573.31                        | 327.37                         | 245.95                           | 2.331                    |                                     |
| 18,321.65                                                                        | 12,103.99                    | 18,135.01                    | 11,972.94                    | 125.32                  | 128.54               | 76.81                        | 6,202.97                      | -376.82             | 574.07                        | 327.20                         | 246.87                           | 2.325                    |                                     |
| 18,400.00                                                                        | 12,104.54                    | 18,226.80                    | 11,973.37                    | 126.76                  | 130.17               | 76.83                        | 6,294.74                      | -375.96             | 575.41                        | 324.98                         | 250.43                           | 2.298                    |                                     |
| 18,420.82                                                                        | 12,104.69                    | 18,245.98                    | 11,973.55                    | 127.14                  | 130.51               | 76.83                        | 6,313.92                      | -375.91             | 575.60                        | 324.52                         | 251.09                           | 2.292                    |                                     |
| 18,500.00                                                                        | 12,105.24                    | 18,319.04                    | 11,972.85                    | 128.59                  | 131.82               | 76.74                        | 6,386.97                      | -375.56             | 576.90                        | 323.43                         | 253.47                           | 2.276                    |                                     |
| 18,519.17                                                                        | 12,105.38                    | 18,336.93                    | 11,972.42                    | 128.94                  | 132.14               | 76.69                        | 6,404.86                      | -375.41             | 577.33                        | 323.29                         | 254.04                           | 2.273                    |                                     |
| 18,600.00                                                                        | 12,105.95                    | 18,413.68                    | 11,969.83                    | 130.42                  | 133.51               | 76.42                        | 6,481.56                      | -374.54             | 579.63                        | 323.19                         | 256.43                           | 2.260                    |                                     |
| 18,620.61                                                                        | 12,106.10                    | 18,436.04                    | 11,969.04                    | 130.80                  | 133.91               | 76.34                        | 6,503.90                      | -374.27             | 580.23                        | 323.03                         | 257.20                           | 2.256                    |                                     |
| 18,700.00                                                                        | 12,106.66                    | 18,521.70                    | 11,966.96                    | 132.26                  | 135.44               | 76.12                        | 6,589.54                      | -373.65             | 581.99                        | 321.81                         | 260.18                           | 2.237                    |                                     |
| 18,722.08                                                                        | 12,106.81                    | 18,545.19                    | 11,966.57                    | 132.67                  | 135.86               | 76.07                        | 6,613.02                      | -373.60             | 582.35                        | 321.35                         | 261.00                           | 2.231                    |                                     |
| 18,800.00                                                                        | 12,107.36                    | 18,627.07                    | 11,965.41                    | 134.10                  | 137.33               | 75.91                        | 6,694.89                      | -373.78             | 583.18                        | 319.35                         | 263.84                           | 2.210                    |                                     |
| 18,823.06                                                                        | 12,107.53                    | 18,650.86                    | 11,964.90                    | 134.52                  | 137.76               | 75.85                        | 6,718.68                      | -373.96             | 583.35                        | 318.72                         | 264.63                           | 2.204                    |                                     |
| 18,900.00                                                                        | 12,108.07                    | 18,733.86                    | 11,962.70                    | 135.94                  | 139.26               | 75.57                        | 6,801.64                      | -375.09             | 583.58                        | 316.17                         | 267.41                           | 2.182                    |                                     |
| 18,980.12                                                                        | 12,108.63                    | 18,818.64                    | 11,961.63                    | 137.42                  | 140.79               | 75.38                        | 6,886.39                      | -377.05             | 582.79                        | 312.50                         | 270.29                           | 2.156                    |                                     |
| 19,000.00                                                                        | 12,108.77                    | 18,838.23                    | 11,961.38                    | 137.78                  | 141.15               | 75.34                        | 6,905.98                      | -377.54             | 582.56                        | 311.63                         | 270.94                           | 2.150                    |                                     |
| 19,079.22                                                                        | 12,109.33                    | 18,913.43                    | 11,960.07                    | 139.24                  | 142.51               | 75.13                        | 6,981.13                      | -379.32             | 581.86                        | 308.50                         | 273.36                           | 2.129                    |                                     |
| 19,100.00                                                                        | 12,109.48                    | 18,932.40                    | 11,959.60                    | 139.63                  | 142.85               | 75.07                        | 7,000.10                      | -379.68             | 581.81                        | 307.86                         | 273.95                           | 2.124                    |                                     |
| 19,121.89                                                                        | 12,109.63                    | 18,952.39                    | 11,959.05                    | 140.03                  | 143.21               | 75.00                        | 7,020.08                      | -380.02             | 581.82                        | 307.26                         | 274.56                           | 2.119                    |                                     |
| 19,200.00                                                                        | 12,110.19                    | 19,023.56                    | 11,956.71                    | 141.47                  | 144.50               | 74.73                        | 7,091.20                      | -380.75             | 582.47                        | 305.78                         | 276.69                           | 2.105                    |                                     |
| 19,221.26                                                                        | 12,110.34                    | 19,042.92                    | 11,956.03                    | 141.87                  | 144.85               | 74.65                        | 7,110.55                      | -380.81             | 582.81                        | 305.55                         | 277.26                           | 2.102                    |                                     |
| 19,300.00                                                                        | 12,110.89                    | 19,125.09                    | 11,953.34                    | 143.32                  | 146.34               | 74.36                        | 7,192.68                      | -380.89             | 584.18                        | 304.25                         | 279.93                           | 2.087                    |                                     |
| 19,322.82                                                                        | 12,111.05                    | 19,150.27                    | 11,952.73                    | 143.74                  | 146.80               | 74.28                        | 7,217.85                      | -381.06             | 584.41                        | 303.62                         | 280.78                           | 2.081                    |                                     |
| 19,400.00                                                                        | 12,111.60                    | 19,230.24                    | 11,951.44                    | 145.17                  | 148.25               | 74.11                        | 7,297.81                      | -381.81             | 584.79                        | 301.32                         | 283.47                           | 2.063                    |                                     |
| 19,478.95                                                                        | 12,112.15                    | 19,311.76                    | 11,951.00                    | 146.63                  | 149.73               | 74.01                        | 7,379.32                      | -382.68             | 584.86                        | 298.57                         | 286.28                           | 2.043                    |                                     |
| 19,500.00                                                                        | 12,112.30                    | 19,333.53                    | 11,950.99                    | 147.02                  | 150.13               | 73.99                        | 7,401.09                      | -382.94             | 584.82                        | 297.77                         | 287.05                           | 2.037                    |                                     |
| 19,580.70                                                                        | 12,112.86                    | 19,423.44                    | 11,951.73                    | 148.52                  | 151.76               | 73.97                        | 7,490.98                      | -384.54             | 584.05                        | 293.74                         | 290.31                           | 2.012                    |                                     |
| 19,600.00                                                                        | 12,113.01                    | 19,445.26                    | 11,952.15                    | 148.88                  | 152.16               | 73.99                        | 7,512.79                      | -385.10             | 583.65                        | 292.54                         | 291.11                           | 2.005                    |                                     |
| 19,681.88                                                                        | 12,112.91                    | 19,528.19                    | 11,953.97                    | 150.40                  | 153.68               | 74.15                        | 7,595.66                      | -387.43             | 581.55                        | 287.33                         | 294.22                           | 1.977                    |                                     |
| 19,700.00                                                                        | 12,112.28                    | 19,547.77                    | 11,954.43                    | 150.73                  | 154.03               | 74.25                        | 7,615.24                      | -388.01             | 580.89                        | 285.86                         | 295.03                           | 1.969                    |                                     |
| 19,783.40                                                                        | 12,111.23                    | 19,632.00                    | 11,957.56                    | 152.28                  | 155.58               | 74.58                        | 7,699.34                      | -391.13             | 577.43                        | 279.00                         | 298.42                           | 1.935                    |                                     |
| 19,800.00                                                                        | 12,111.02                    | 19,652.14                    | 11,958.46                    | 152.59                  | 155.95               | 74.67                        | 7,719.44                      | -391.92             | 576.65                        | 277.41                         | 299.24                           | 1.927                    |                                     |
| 19,879.90                                                                        | 12,110.01                    | 19,713.79                    | 11,960.13                    | 154.07                  | 157.08               | 74.89                        | 7,781.06                      | -393.28             | 574.73                        | 273.08                         | 301.65                           | 1.905                    |                                     |
| 19,900.00                                                                        | 12,109.76                    | 19,730.14                    | 11,960.31                    | 154.45                  | 157.38               | 74.93                        | 7,797.40                      | -393.38             | 574.64                        | 272.41                         | 302.23                           | 1.901                    |                                     |

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



## Legacy Directional Drilling

### Anticollision Report

|                           |                                |                                     |                                  |
|---------------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Matador Resources Company      | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Project:</b>           | Lea County, New Mexico (NAD27) | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Reference Site:</b>    | Nina Cortell Fed Com           | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | ST01                           | <b>Database:</b>                    | EDM5000                          |
| <b>Reference Design:</b>  | Pan 3                          | <b>Offset TVD Reference:</b>        | Offset Datum                     |

|                                                                                  |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                          |                                     |
|----------------------------------------------------------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------|--------------------------|----------------------------------|-------------------------------|-------------------------|-----------------------------------|------------------------------------|--------------------------------------|--------------------------|-------------------------------------|
| <b>Offset Design:</b> Nina Cortell Fed Com - Nina Cortell Fed Com 133H - OH - OH |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                          | <b>Offset Site Error:</b> 0.00 usft |
| <b>Survey Program:</b> 161-MWD+IGRF                                              |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                          | <b>Offset Well Error:</b> 0.00 usft |
| <b>Reference</b>                                                                 |                                  | <b>Offset</b>                    |                                  | <b>Semi Major Axis</b>      |                          | <b>Highside Toolface<br/>(°)</b> | <b>Offset Wellbore Centre</b> |                         | <b>Distance</b>                   |                                    | <b>Minimum Separation<br/>(usft)</b> | <b>Separation Factor</b> | <b>Warning</b>                      |
| <b>Measured Depth<br/>(usft)</b>                                                 | <b>Vertical Depth<br/>(usft)</b> | <b>Measured Depth<br/>(usft)</b> | <b>Vertical Depth<br/>(usft)</b> | <b>Reference<br/>(usft)</b> | <b>Offset<br/>(usft)</b> |                                  | <b>+N/-S<br/>(usft)</b>       | <b>+E/-W<br/>(usft)</b> | <b>Between Centres<br/>(usft)</b> | <b>Between Ellipses<br/>(usft)</b> |                                      |                          |                                     |
| 19,923.16                                                                        | 12,109.47                        | 19,752.36                        | 11,960.52                        | 154.88                      | 157.78                   | 74.98                            | 7,819.63                      | -393.44                 | 574.62                            | 271.55                             | 303.07                               | 1.896                    |                                     |
| 20,000.00                                                                        | 12,108.50                        | 19,827.14                        | 11,961.24                        | 156.31                      | 159.15                   | 75.15                            | 7,894.40                      | -393.39                 | 574.83                            | 268.90                             | 305.93                               | 1.879                    |                                     |
| 20,080.03                                                                        | 12,107.49                        | 19,917.14                        | 11,962.73                        | 157.79                      | 160.80                   | 75.41                            | 7,984.38                      | -393.89                 | 574.43                            | 264.86                             | 309.57                               | 1.856                    |                                     |
| 20,100.00                                                                        | 12,107.24                        | 19,933.25                        | 11,963.05                        | 158.17                      | 161.09                   | 75.46                            | 8,000.49                      | -394.05                 | 574.23                            | 264.06                             | 310.17                               | 1.851                    |                                     |
| 20,124.04                                                                        | 12,106.94                        | 19,953.32                        | 11,963.38                        | 158.61                      | 161.46                   | 75.52                            | 8,020.56                      | -394.13                 | 574.15                            | 263.24                             | 310.91                               | 1.847                    |                                     |
| 20,200.00                                                                        | 12,105.98                        | 20,019.86                        | 11,963.99                        | 160.03                      | 162.68                   | 75.69                            | 8,087.09                      | -393.54                 | 574.95                            | 261.63                             | 313.32                               | 1.835                    |                                     |
| 20,279.51                                                                        | 12,104.98                        | 20,111.70                        | 11,965.37                        | 161.51                      | 164.36                   | 75.96                            | 8,178.92                      | -393.18                 | 575.32                            | 258.17                             | 317.15                               | 1.814                    |                                     |
| 20,300.00                                                                        | 12,104.73                        | 20,132.36                        | 11,965.87                        | 161.89                      | 164.74                   | 76.03                            | 8,199.57                      | -393.26                 | 575.22                            | 257.24                             | 317.98                               | 1.809                    |                                     |
| 20,379.60                                                                        | 12,103.72                        | 20,211.55                        | 11,968.26                        | 163.38                      | 166.20                   | 76.37                            | 8,278.73                      | -393.52                 | 574.78                            | 253.57                             | 321.21                               | 1.789                    |                                     |
| 20,400.00                                                                        | 12,103.47                        | 20,230.68                        | 11,968.76                        | 163.76                      | 166.55                   | 76.45                            | 8,297.85                      | -393.55                 | 574.71                            | 252.75                             | 321.97                               | 1.785                    |                                     |
| 20,419.78                                                                        | 12,103.22                        | 20,249.24                        | 11,969.14                        | 164.13                      | 166.89                   | 76.51                            | 8,316.40                      | -393.57                 | 574.69                            | 252.00                             | 322.69                               | 1.781 SF                 |                                     |
| 20,500.00                                                                        | 12,102.21                        | 20,292.00                        | 11,969.60                        | 165.62                      | 167.67                   | 76.61                            | 8,359.16                      | -393.57                 | 576.02                            | 252.83                             | 323.18                               | 1.782                    |                                     |
| 20,600.00                                                                        | 12,100.95                        | 20,292.00                        | 11,969.60                        | 167.49                      | 167.67                   | 76.61                            | 8,359.16                      | -393.57                 | 591.01                            | 276.76                             | 314.25                               | 1.881                    |                                     |
| 20,700.00                                                                        | 12,099.69                        | 20,292.00                        | 11,969.60                        | 169.36                      | 167.67                   | 76.61                            | 8,359.16                      | -393.57                 | 621.92                            | 323.27                             | 298.65                               | 2.082                    |                                     |
| 20,800.00                                                                        | 12,098.43                        | 20,292.00                        | 11,969.60                        | 171.23                      | 167.67                   | 76.61                            | 8,359.16                      | -393.57                 | 666.54                            | 387.21                             | 279.33                               | 2.386                    |                                     |
| 20,900.00                                                                        | 12,097.17                        | 20,292.00                        | 11,969.60                        | 173.10                      | 167.67                   | 76.61                            | 8,359.16                      | -393.57                 | 722.34                            | 463.34                             | 259.00                               | 2.789                    |                                     |
| 21,000.00                                                                        | 12,095.91                        | 20,292.00                        | 11,969.60                        | 174.97                      | 167.67                   | 76.61                            | 8,359.16                      | -393.57                 | 786.94                            | 547.49                             | 239.45                               | 3.286                    |                                     |
| 21,100.00                                                                        | 12,094.66                        | 20,292.00                        | 11,969.60                        | 176.84                      | 167.67                   | 76.61                            | 8,359.16                      | -393.57                 | 858.35                            | 636.75                             | 221.60                               | 3.873                    |                                     |
| 21,200.00                                                                        | 12,093.40                        | 20,292.00                        | 11,969.60                        | 178.71                      | 167.67                   | 76.61                            | 8,359.16                      | -393.57                 | 935.02                            | 729.24                             | 205.78                               | 4.544                    |                                     |
| 21,300.00                                                                        | 12,092.14                        | 20,292.00                        | 11,969.60                        | 180.58                      | 167.67                   | 76.61                            | 8,359.16                      | -393.57                 | 1,015.75                          | 823.75                             | 192.00                               | 5.290                    |                                     |
| 21,400.00                                                                        | 12,090.88                        | 20,292.00                        | 11,969.60                        | 182.46                      | 167.67                   | 76.61                            | 8,359.16                      | -393.57                 | 1,099.66                          | 919.56                             | 180.09                               | 6.106                    |                                     |
| 21,500.00                                                                        | 12,089.62                        | 20,292.00                        | 11,969.60                        | 184.33                      | 167.67                   | 76.61                            | 8,359.16                      | -393.57                 | 1,186.06                          | 1,016.22                           | 169.84                               | 6.983                    |                                     |
| 21,600.00                                                                        | 12,088.36                        | 20,292.00                        | 11,969.60                        | 186.21                      | 167.67                   | 76.61                            | 8,359.16                      | -393.57                 | 1,274.46                          | 1,113.44                           | 161.02                               | 7.915                    |                                     |
| 21,700.00                                                                        | 12,087.10                        | 20,292.00                        | 11,969.60                        | 188.08                      | 167.67                   | 76.61                            | 8,359.16                      | -393.57                 | 1,364.45                          | 1,211.03                           | 153.42                               | 8.894                    |                                     |
| 21,800.00                                                                        | 12,085.84                        | 20,292.00                        | 11,969.60                        | 189.96                      | 167.67                   | 76.61                            | 8,359.16                      | -393.57                 | 1,455.76                          | 1,308.90                           | 146.86                               | 9.913                    |                                     |
| 21,900.00                                                                        | 12,084.58                        | 20,292.00                        | 11,969.60                        | 191.84                      | 167.67                   | 76.61                            | 8,359.16                      | -393.57                 | 1,548.14                          | 1,406.96                           | 141.17                               | 10.966                   |                                     |
| 22,000.00                                                                        | 12,083.33                        | 20,292.00                        | 11,969.60                        | 193.72                      | 167.67                   | 76.61                            | 8,359.16                      | -393.57                 | 1,641.41                          | 1,505.17                           | 136.24                               | 12.048                   |                                     |
| 22,100.00                                                                        | 12,082.07                        | 20,292.00                        | 11,969.60                        | 195.60                      | 167.67                   | 76.61                            | 8,359.16                      | -393.57                 | 1,735.43                          | 1,603.49                           | 131.94                               | 13.153                   |                                     |
| 22,200.00                                                                        | 12,080.81                        | 20,292.00                        | 11,969.60                        | 197.48                      | 167.67                   | 76.61                            | 8,359.16                      | -393.57                 | 1,830.08                          | 1,701.90                           | 128.18                               | 14.277                   |                                     |
| 22,294.38                                                                        | 12,079.62                        | 20,292.00                        | 11,969.60                        | 199.25                      | 167.67                   | 76.61                            | 8,359.16                      | -393.57                 | 1,919.92                          | 1,794.86                           | 125.06                               | 15.352                   |                                     |

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

## Legacy Directional Drilling

### Anticollision Report

|                           |                                |                                     |                                  |
|---------------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Matador Resources Company      | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Project:</b>           | Lea County, New Mexico (NAD27) | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Reference Site:</b>    | Nina Cortell Fed Com           | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | ST01                           | <b>Database:</b>                    | EDM5000                          |
| <b>Reference Design:</b>  | Pan 3                          | <b>Offset TVD Reference:</b>        | Offset Datum                     |

|                                                                                      |                              |                              |                              |                         |                      |                               |                     |                       |                               |                                |                                  |                           |                |
|--------------------------------------------------------------------------------------|------------------------------|------------------------------|------------------------------|-------------------------|----------------------|-------------------------------|---------------------|-----------------------|-------------------------------|--------------------------------|----------------------------------|---------------------------|----------------|
| <b>Offset Design:</b> Nina Cortell Fed Com - Nina Cortell Fed Com 133H - OH - Plan 2 |                              |                              |                              |                         |                      |                               |                     |                       |                               |                                |                                  | <b>Offset Site Error:</b> | 0.00 usft      |
| <b>Survey Program:</b> 0-MWD+IGRF                                                    |                              |                              |                              |                         |                      |                               |                     |                       |                               |                                |                                  | <b>Offset Well Error:</b> | 0.00 usft      |
| <b>Reference</b>                                                                     | <b>Offset</b>                | <b>Semi Major Axis</b>       | <b>Reference</b>             | <b>Offset</b>           | <b>Highside</b>      | <b>Offset Wellbore Centre</b> | <b>Distance</b>     | <b>Rule Assigned:</b> |                               |                                |                                  |                           |                |
| <b>Measured Depth (usft)</b>                                                         | <b>Vertical Depth (usft)</b> | <b>Measured Depth (usft)</b> | <b>Vertical Depth (usft)</b> | <b>Reference (usft)</b> | <b>Offset (usft)</b> | <b>Toolface (°)</b>           | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b>   | <b>Between Centres (usft)</b> | <b>Between Ellipses (usft)</b> | <b>Minimum Separation (usft)</b> | <b>Separation Factor</b>  | <b>Warning</b> |
| 0.00                                                                                 | 0.00                         | 0.00                         | 0.00                         | 0.00                    | 0.00                 | 88.09                         | 1.00                | 30.00                 | 30.02                         |                                |                                  |                           |                |
| 100.00                                                                               | 100.00                       | 100.00                       | 100.00                       | 0.60                    | 0.50                 | 10.17                         | 1.00                | 30.00                 | 29.78                         | 28.88                          | 0.90                             | 33.003                    |                |
| 200.00                                                                               | 200.00                       | 200.00                       | 200.00                       | 1.43                    | 1.05                 | 10.42                         | 1.00                | 30.00                 | 29.08                         | 27.02                          | 2.06                             | 14.112                    |                |
| 300.00                                                                               | 299.99                       | 299.99                       | 299.99                       | 1.95                    | 1.55                 | -0.71                         | 1.00                | 30.00                 | 27.96                         | 25.02                          | 2.94                             | 9.513                     |                |
| 400.00                                                                               | 399.98                       | 399.98                       | 399.98                       | 2.23                    | 1.98                 | -16.04                        | 1.00                | 30.00                 | 26.68                         | 23.10                          | 3.57                             | 7.467                     |                |
| 500.00                                                                               | 499.98                       | 499.98                       | 499.98                       | 2.50                    | 2.40                 | -23.49                        | 1.00                | 30.00                 | 25.71                         | 21.52                          | 4.19                             | 6.134                     |                |
| 581.13                                                                               | 581.10                       | 581.10                       | 581.10                       | 2.67                    | 2.72                 | -90.00                        | 1.00                | 30.00                 | 25.44                         | 20.73                          | 4.71                             | 5.405 CC                  |                |
| 600.00                                                                               | 599.98                       | 599.98                       | 599.98                       | 2.71                    | 2.79                 | -121.87                       | 1.00                | 30.00                 | 25.47                         | 20.64                          | 4.83                             | 5.275                     |                |
| 700.00                                                                               | 699.97                       | 699.97                       | 699.97                       | 2.97                    | 3.18                 | -140.12                       | 1.00                | 30.00                 | 25.93                         | 20.38                          | 5.55                             | 4.669 ES                  |                |
| 800.00                                                                               | 799.97                       | 799.97                       | 799.97                       | 3.28                    | 3.56                 | -150.11                       | 1.00                | 30.00                 | 26.81                         | 20.53                          | 6.28                             | 4.268                     |                |
| 900.00                                                                               | 899.96                       | 899.96                       | 899.96                       | 3.61                    | 3.94                 | -154.93                       | 1.00                | 30.00                 | 27.96                         | 20.95                          | 7.01                             | 3.989                     |                |
| 1,000.00                                                                             | 999.95                       | 999.95                       | 999.95                       | 3.93                    | 4.32                 | -159.10                       | 1.00                | 30.00                 | 28.96                         | 21.25                          | 7.71                             | 3.758                     |                |
| 1,100.00                                                                             | 1,099.95                     | 1,099.95                     | 1,099.95                     | 4.23                    | 4.69                 | 143.82                        | 1.00                | 30.00                 | 29.54                         | 21.18                          | 8.36                             | 3.532                     |                |
| 1,200.00                                                                             | 1,199.91                     | 1,199.91                     | 1,199.91                     | 4.91                    | 5.06                 | 157.57                        | 1.00                | 30.00                 | 31.66                         | 22.53                          | 9.13                             | 3.468                     |                |
| 1,300.00                                                                             | 1,299.60                     | 1,300.21                     | 1,300.20                     | 6.12                    | 5.35                 | 171.99                        | 0.58                | 29.23                 | 38.35                         | 27.93                          | 10.42                            | 3.682                     |                |
| 1,400.00                                                                             | 1,399.03                     | 1,400.48                     | 1,400.44                     | 6.64                    | 5.66                 | 173.47                        | -0.69               | 26.93                 | 46.64                         | 35.30                          | 11.34                            | 4.112                     |                |
| 1,500.00                                                                             | 1,498.48                     | 1,500.16                     | 1,500.06                     | 6.92                    | 5.97                 | 178.80                        | -2.37               | 23.88                 | 54.18                         | 42.13                          | 12.05                            | 4.496                     |                |
| 1,600.00                                                                             | 1,597.95                     | 1,599.88                     | 1,599.71                     | 7.22                    | 6.28                 | -177.50                       | -4.04               | 20.83                 | 61.55                         | 48.80                          | 12.75                            | 4.829                     |                |
| 1,700.00                                                                             | 1,697.46                     | 1,699.62                     | 1,699.40                     | 7.54                    | 6.61                 | -169.30                       | -5.72               | 17.78                 | 68.60                         | 55.15                          | 13.45                            | 5.101                     |                |
| 1,800.00                                                                             | 1,797.03                     | 1,799.43                     | 1,799.15                     | 7.92                    | 6.94                 | -160.37                       | -7.40               | 14.73                 | 74.61                         | 60.46                          | 14.14                            | 5.275                     |                |
| 1,900.00                                                                             | 1,896.62                     | 1,899.27                     | 1,898.93                     | 8.26                    | 7.27                 | -159.98                       | -9.08               | 11.67                 | 80.21                         | 65.38                          | 14.83                            | 5.409                     |                |
| 2,000.00                                                                             | 1,996.27                     | 1,999.14                     | 1,998.74                     | 8.58                    | 7.62                 | -159.14                       | -10.76              | 8.62                  | 85.20                         | 69.69                          | 15.51                            | 5.493                     |                |
| 2,100.00                                                                             | 2,095.92                     | 2,099.02                     | 2,098.55                     | 8.91                    | 7.96                 | -156.22                       | -12.44              | 5.57                  | 90.01                         | 73.82                          | 16.19                            | 5.558                     |                |
| 2,200.00                                                                             | 2,195.48                     | 2,198.84                     | 2,198.31                     | 9.24                    | 8.31                 | -155.62                       | -14.12              | 2.51                  | 95.61                         | 78.75                          | 16.87                            | 5.668                     |                |
| 2,300.00                                                                             | 2,295.04                     | 2,298.67                     | 2,298.08                     | 9.58                    | 8.66                 | -154.05                       | -15.80              | -0.54                 | 101.10                        | 83.56                          | 17.55                            | 5.762                     |                |
| 2,400.00                                                                             | 2,394.64                     | 2,398.52                     | 2,397.87                     | 9.92                    | 9.01                 | -153.08                       | -17.48              | -3.59                 | 106.12                        | 87.90                          | 18.23                            | 5.823                     |                |
| 2,500.00                                                                             | 2,494.30                     | 2,498.41                     | 2,497.70                     | 10.26                   | 9.37                 | -151.98                       | -19.16              | -6.65                 | 110.32                        | 91.42                          | 18.91                            | 5.835                     |                |
| 2,600.00                                                                             | 2,594.03                     | 2,598.33                     | 2,597.56                     | 10.60                   | 9.73                 | -149.79                       | -20.84              | -9.70                 | 113.72                        | 94.12                          | 19.59                            | 5.803                     |                |
| 2,700.00                                                                             | 2,693.69                     | 2,698.21                     | 2,697.38                     | 10.95                   | 10.09                | -158.64                       | -22.52              | -12.76                | 118.03                        | 97.71                          | 20.32                            | 5.809                     |                |
| 2,800.00                                                                             | 2,793.29                     | 2,798.06                     | 2,797.17                     | 11.32                   | 10.45                | -154.06                       | -24.20              | -15.81                | 123.11                        | 102.07                         | 21.04                            | 5.851                     |                |
| 2,900.00                                                                             | 2,892.94                     | 2,897.94                     | 2,896.99                     | 11.67                   | 10.81                | -146.58                       | -25.87              | -18.86                | 127.22                        | 105.50                         | 21.72                            | 5.857                     |                |
| 3,000.00                                                                             | 2,992.67                     | 2,997.86                     | 2,996.85                     | 12.02                   | 11.17                | -145.05                       | -27.56              | -21.92                | 129.87                        | 107.47                         | 22.40                            | 5.797                     |                |
| 3,100.00                                                                             | 3,092.51                     | 3,097.84                     | 3,096.76                     | 12.38                   | 11.53                | -166.96                       | -29.24              | -24.98                | 131.86                        | 108.75                         | 23.11                            | 5.706                     |                |
| 3,200.00                                                                             | 3,192.31                     | 3,197.79                     | 3,196.66                     | 12.75                   | 11.90                | -176.20                       | -30.92              | -28.03                | 134.83                        | 111.01                         | 23.83                            | 5.659                     |                |
| 3,300.00                                                                             | 3,292.16                     | 3,297.75                     | 3,296.56                     | 13.10                   | 12.26                | 170.78                        | -32.60              | -31.09                | 137.18                        | 112.64                         | 24.54                            | 5.590                     |                |
| 3,400.00                                                                             | 3,391.99                     | 3,397.67                     | 3,396.41                     | 13.47                   | 12.62                | 154.76                        | -34.28              | -34.15                | 139.39                        | 114.11                         | 25.28                            | 5.515                     |                |
| 3,500.00                                                                             | 3,491.75                     | 3,497.52                     | 3,496.20                     | 13.78                   | 12.99                | 155.64                        | -35.96              | -37.20                | 142.44                        | 116.48                         | 25.96                            | 5.486                     |                |
| 3,600.00                                                                             | 3,591.70                     | 3,597.48                     | 3,596.10                     | 13.81                   | 13.35                | 156.74                        | -37.64              | -40.26                | 141.97                        | 115.59                         | 26.38                            | 5.382                     |                |
| 3,700.00                                                                             | 3,691.70                     | 3,697.43                     | 3,695.99                     | 13.85                   | 13.72                | 157.55                        | -39.32              | -43.31                | 139.79                        | 113.00                         | 26.79                            | 5.218                     |                |
| 3,800.00                                                                             | 3,791.70                     | 3,797.37                     | 3,795.87                     | 13.90                   | 14.08                | 90.23                         | -41.00              | -46.37                | 136.73                        | 109.53                         | 27.20                            | 5.026                     |                |
| 3,900.00                                                                             | 3,891.70                     | 3,897.31                     | 3,895.75                     | 13.95                   | 14.45                | 90.95                         | -42.68              | -49.43                | 133.69                        | 106.06                         | 27.63                            | 4.839                     |                |
| 4,000.00                                                                             | 3,991.70                     | 3,997.25                     | 3,995.62                     | 14.02                   | 14.81                | 91.71                         | -44.36              | -52.48                | 130.67                        | 102.60                         | 28.07                            | 4.656                     |                |
| 4,100.00                                                                             | 4,091.70                     | 4,097.19                     | 4,095.50                     | 14.09                   | 15.17                | 92.51                         | -46.04              | -55.54                | 127.68                        | 99.16                          | 28.52                            | 4.477                     |                |
| 4,200.00                                                                             | 4,191.70                     | 4,197.13                     | 4,195.38                     | 14.18                   | 15.54                | 93.34                         | -47.72              | -58.59                | 124.71                        | 95.73                          | 28.98                            | 4.304                     |                |
| 4,300.00                                                                             | 4,291.70                     | 4,297.06                     | 4,295.26                     | 14.27                   | 15.90                | 94.21                         | -49.41              | -61.65                | 121.77                        | 92.32                          | 29.45                            | 4.135                     |                |
| 4,400.00                                                                             | 4,391.70                     | 4,397.00                     | 4,395.14                     | 14.37                   | 16.27                | 95.13                         | -51.09              | -64.71                | 118.86                        | 88.93                          | 29.93                            | 3.971                     |                |
| 4,500.00                                                                             | 4,491.70                     | 4,496.94                     | 4,495.02                     | 14.48                   | 16.63                | 96.09                         | -52.77              | -67.76                | 115.98                        | 85.56                          | 30.42                            | 3.813                     |                |
| 4,600.00                                                                             | 4,591.70                     | 4,596.88                     | 4,594.89                     | 14.60                   | 17.00                | 97.11                         | -54.45              | -70.82                | 113.13                        | 82.21                          | 30.92                            | 3.659                     |                |
| 4,700.00                                                                             | 4,691.70                     | 4,696.82                     | 4,694.77                     | 14.73                   | 17.36                | 98.17                         | -56.13              | -73.87                | 110.32                        | 78.89                          | 31.43                            | 3.510                     |                |
| 4,800.00                                                                             | 4,791.70                     | 4,796.76                     | 4,794.65                     | 14.86                   | 17.73                | 99.29                         | -57.81              | -76.93                | 107.56                        | 75.60                          | 31.96                            | 3.366                     |                |
| 4,900.00                                                                             | 4,891.70                     | 4,896.70                     | 4,894.53                     | 15.00                   | 18.09                | 100.46                        | -59.49              | -79.99                | 104.83                        | 72.35                          | 32.49                            | 3.227                     |                |
| 5,000.00                                                                             | 4,991.70                     | 4,996.64                     | 4,994.41                     | 15.15                   | 18.45                | 101.70                        | -61.17              | -83.04                | 102.15                        | 69.13                          | 33.03                            | 3.093                     |                |

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

## Legacy Directional Drilling

### Anticollision Report

|                           |                                |                                     |                                  |
|---------------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Matador Resources Company      | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Project:</b>           | Lea County, New Mexico (NAD27) | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Reference Site:</b>    | Nina Cortell Fed Com           | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | ST01                           | <b>Database:</b>                    | EDM5000                          |
| <b>Reference Design:</b>  | Pan 3                          | <b>Offset TVD Reference:</b>        | Offset Datum                     |

|                                                                                      |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                                  |                          |                                     |
|--------------------------------------------------------------------------------------|------------------------------|------------------------------|------------------------------|-------------------------|----------------------|------------------------------|-------------------------------|---------------------|-------------------------------|--------------------------------|----------------------------------|--------------------------|-------------------------------------|
| <b>Offset Design:</b> Nina Cortell Fed Com - Nina Cortell Fed Com 133H - OH - Plan 2 |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                                  |                          | <b>Offset Site Error:</b> 0.00 usft |
| <b>Survey Program:</b> 0-MWD+IGRF                                                    |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                                  |                          | <b>Offset Well Error:</b> 0.00 usft |
| <b>Reference</b>                                                                     |                              | <b>Offset</b>                |                              | <b>Semi Major Axis</b>  |                      |                              | <b>Offset Wellbore Centre</b> |                     | <b>Distance</b>               |                                |                                  |                          | <b>Warning</b>                      |
| <b>Measured Depth (usft)</b>                                                         | <b>Vertical Depth (usft)</b> | <b>Measured Depth (usft)</b> | <b>Vertical Depth (usft)</b> | <b>Reference (usft)</b> | <b>Offset (usft)</b> | <b>Highside Toolface (°)</b> | <b>+N/-S (usft)</b>           | <b>+E/-W (usft)</b> | <b>Between Centres (usft)</b> | <b>Between Ellipses (usft)</b> | <b>Minimum Separation (usft)</b> | <b>Separation Factor</b> |                                     |
| 5,100.00                                                                             | 5,091.70                     | 5,096.58                     | 5,094.28                     | 15.30                   | 18.82                | 103.01                       | -62.85                        | -86.10              | 99.52                         | 65.95                          | 33.58                            | 2.964                    |                                     |
| 5,200.00                                                                             | 5,191.70                     | 5,196.52                     | 5,194.16                     | 15.47                   | 19.18                | 104.38                       | -64.53                        | -89.15              | 96.95                         | 62.82                          | 34.13                            | 2.840                    |                                     |
| 5,300.00                                                                             | 5,291.70                     | 5,296.46                     | 5,294.04                     | 15.63                   | 19.55                | 105.83                       | -66.21                        | -92.21              | 94.44                         | 59.74                          | 34.70                            | 2.722                    |                                     |
| 5,400.00                                                                             | 5,391.70                     | 5,396.39                     | 5,393.92                     | 15.81                   | 19.91                | 107.36                       | -67.89                        | -95.27              | 91.98                         | 56.71                          | 35.27                            | 2.608                    |                                     |
| 5,500.00                                                                             | 5,491.70                     | 5,496.33                     | 5,493.80                     | 15.99                   | 20.28                | 108.97                       | -69.58                        | -98.32              | 89.60                         | 53.75                          | 35.85                            | 2.499                    |                                     |
| 5,600.00                                                                             | 5,591.69                     | 5,596.29                     | 5,593.70                     | 16.18                   | 20.64                | -145.10                      | -71.26                        | -101.38             | 87.89                         | 51.46                          | 36.44                            | 2.412                    |                                     |
| 5,666.90                                                                             | 5,658.57                     | 5,663.18                     | 5,660.55                     | 16.31                   | 20.88                | -144.50                      | -72.38                        | -103.43             | 87.57                         | 50.74                          | 36.83                            | 2.378                    |                                     |
| 5,700.00                                                                             | 5,691.66                     | 5,696.28                     | 5,693.63                     | 16.38                   | 21.00                | -144.30                      | -72.94                        | -104.44             | 87.65                         | 50.63                          | 37.02                            | 2.368                    |                                     |
| 5,800.00                                                                             | 5,791.57                     | 5,796.28                     | 5,793.56                     | 16.58                   | 21.37                | -144.16                      | -74.62                        | -107.50             | 88.83                         | 51.24                          | 37.59                            | 2.363                    |                                     |
| 5,900.00                                                                             | 5,891.39                     | 5,896.24                     | 5,893.46                     | 16.80                   | 21.73                | -144.65                      | -76.30                        | -110.55             | 91.43                         | 53.27                          | 38.16                            | 2.396                    |                                     |
| 6,000.00                                                                             | 5,991.09                     | 5,996.14                     | 5,993.30                     | 17.03                   | 22.10                | -145.71                      | -77.98                        | -113.61             | 95.48                         | 56.75                          | 38.72                            | 2.466                    |                                     |
| 6,100.00                                                                             | 6,090.64                     | 6,096.79                     | 6,093.86                     | 17.27                   | 22.46                | -146.92                      | -80.04                        | -117.35             | 100.50                        | 61.22                          | 39.28                            | 2.559                    |                                     |
| 6,200.00                                                                             | 6,190.02                     | 6,196.56                     | 6,193.52                     | 17.53                   | 22.81                | -148.30                      | -82.30                        | -121.47             | 106.72                        | 66.89                          | 39.83                            | 2.679                    |                                     |
| 6,300.00                                                                             | 6,289.22                     | 6,296.23                     | 6,293.07                     | 17.78                   | 23.18                | -149.91                      | -84.57                        | -125.58             | 114.24                        | 73.86                          | 40.37                            | 2.830                    |                                     |
| 6,400.00                                                                             | 6,388.40                     | 6,395.88                     | 6,392.62                     | 18.04                   | 23.54                | -151.37                      | -86.83                        | -129.70             | 121.96                        | 81.03                          | 40.93                            | 2.980                    |                                     |
| 6,500.00                                                                             | 6,487.59                     | 6,495.54                     | 6,492.17                     | 18.31                   | 23.91                | -152.65                      | -89.09                        | -133.81             | 129.75                        | 88.25                          | 41.50                            | 3.126                    |                                     |
| 6,600.00                                                                             | 6,586.77                     | 6,595.20                     | 6,591.71                     | 18.60                   | 24.27                | -153.79                      | -91.36                        | -137.93             | 137.59                        | 95.51                          | 42.08                            | 3.270                    |                                     |
| 6,700.00                                                                             | 6,685.96                     | 6,694.85                     | 6,691.26                     | 18.88                   | 24.64                | -154.81                      | -93.62                        | -142.04             | 145.49                        | 102.83                         | 42.66                            | 3.410                    |                                     |
| 6,800.00                                                                             | 6,785.14                     | 6,794.51                     | 6,790.80                     | 19.18                   | 25.01                | -155.72                      | -95.88                        | -146.16             | 153.43                        | 110.17                         | 43.25                            | 3.547                    |                                     |
| 6,900.00                                                                             | 6,884.33                     | 6,894.17                     | 6,890.35                     | 19.47                   | 25.37                | -156.54                      | -98.15                        | -150.27             | 161.40                        | 117.54                         | 43.85                            | 3.681                    |                                     |
| 7,000.00                                                                             | 6,983.51                     | 6,993.82                     | 6,989.89                     | 19.78                   | 25.74                | -157.28                      | -100.41                       | -154.39             | 169.40                        | 124.94                         | 44.45                            | 3.811                    |                                     |
| 7,100.00                                                                             | 7,082.70                     | 7,093.48                     | 7,089.44                     | 20.08                   | 26.10                | -157.96                      | -102.67                       | -158.50             | 177.42                        | 132.36                         | 45.06                            | 3.937                    |                                     |
| 7,200.00                                                                             | 7,181.88                     | 7,193.14                     | 7,188.99                     | 20.40                   | 26.47                | -158.57                      | -104.94                       | -162.62             | 185.47                        | 139.80                         | 45.67                            | 4.061                    |                                     |
| 7,300.00                                                                             | 7,281.07                     | 7,292.79                     | 7,288.53                     | 20.71                   | 26.84                | -159.14                      | -107.20                       | -166.73             | 193.54                        | 147.25                         | 46.29                            | 4.181                    |                                     |
| 7,400.00                                                                             | 7,380.25                     | 7,392.45                     | 7,388.08                     | 21.03                   | 27.20                | -159.66                      | -109.46                       | -170.85             | 201.62                        | 154.71                         | 46.91                            | 4.298                    |                                     |
| 7,500.00                                                                             | 7,479.44                     | 7,492.11                     | 7,487.62                     | 21.36                   | 27.57                | -160.14                      | -111.73                       | -174.96             | 209.72                        | 162.19                         | 47.54                            | 4.412                    |                                     |
| 7,600.00                                                                             | 7,578.62                     | 7,591.76                     | 7,587.17                     | 21.68                   | 27.93                | -160.58                      | -113.99                       | -179.08             | 217.84                        | 169.67                         | 48.17                            | 4.523                    |                                     |
| 7,700.00                                                                             | 7,677.81                     | 7,691.42                     | 7,686.72                     | 22.02                   | 28.30                | -161.00                      | -116.25                       | -183.19             | 225.97                        | 177.17                         | 48.80                            | 4.631                    |                                     |
| 7,800.00                                                                             | 7,776.99                     | 7,791.08                     | 7,786.26                     | 22.35                   | 28.67                | -161.38                      | -118.51                       | -187.31             | 234.10                        | 184.67                         | 49.44                            | 4.736                    |                                     |
| 7,900.00                                                                             | 7,876.18                     | 7,890.73                     | 7,885.81                     | 22.69                   | 29.03                | -161.74                      | -120.78                       | -191.42             | 242.25                        | 192.17                         | 50.08                            | 4.838                    |                                     |
| 8,000.00                                                                             | 7,975.36                     | 7,990.39                     | 7,985.35                     | 23.03                   | 29.40                | -162.07                      | -123.04                       | -195.54             | 250.40                        | 199.69                         | 50.72                            | 4.937                    |                                     |
| 8,100.00                                                                             | 8,074.55                     | 8,090.05                     | 8,084.90                     | 23.38                   | 29.76                | -162.39                      | -125.30                       | -199.65             | 258.57                        | 207.20                         | 51.36                            | 5.034                    |                                     |
| 8,200.00                                                                             | 8,173.73                     | 8,189.70                     | 8,184.44                     | 23.72                   | 30.13                | -162.68                      | -127.57                       | -203.77             | 266.74                        | 214.73                         | 52.01                            | 5.128                    |                                     |
| 8,300.00                                                                             | 8,272.92                     | 8,289.36                     | 8,283.99                     | 24.07                   | 30.50                | -162.96                      | -129.83                       | -207.88             | 274.92                        | 222.25                         | 52.66                            | 5.220                    |                                     |
| 8,400.00                                                                             | 8,372.10                     | 8,389.01                     | 8,383.54                     | 24.43                   | 30.86                | -163.22                      | -132.09                       | -212.00             | 283.10                        | 229.78                         | 53.32                            | 5.310                    |                                     |
| 8,500.00                                                                             | 8,471.29                     | 8,488.67                     | 8,483.08                     | 24.78                   | 31.23                | -163.47                      | -134.36                       | -216.11             | 291.29                        | 237.31                         | 53.98                            | 5.397                    |                                     |
| 8,600.00                                                                             | 8,570.47                     | 8,588.33                     | 8,582.63                     | 25.14                   | 31.60                | -163.70                      | -136.62                       | -220.23             | 299.48                        | 244.85                         | 54.64                            | 5.482                    |                                     |
| 8,700.00                                                                             | 8,669.66                     | 8,687.98                     | 8,682.17                     | 25.50                   | 31.96                | -163.92                      | -138.88                       | -224.34             | 307.68                        | 252.39                         | 55.30                            | 5.564                    |                                     |
| 8,800.00                                                                             | 8,768.84                     | 8,787.64                     | 8,781.72                     | 25.86                   | 32.33                | -164.13                      | -141.15                       | -228.46             | 315.89                        | 259.92                         | 55.96                            | 5.645                    |                                     |
| 8,900.00                                                                             | 8,868.02                     | 8,887.30                     | 8,881.27                     | 26.23                   | 32.70                | -164.33                      | -143.41                       | -232.57             | 324.09                        | 267.47                         | 56.63                            | 5.723                    |                                     |
| 9,000.00                                                                             | 8,967.21                     | 8,986.95                     | 8,980.81                     | 26.59                   | 33.06                | -164.52                      | -145.67                       | -236.69             | 332.30                        | 275.01                         | 57.29                            | 5.800                    |                                     |
| 9,100.00                                                                             | 9,066.39                     | 9,086.61                     | 9,080.36                     | 26.96                   | 33.43                | -164.70                      | -147.94                       | -240.80             | 340.52                        | 282.55                         | 57.96                            | 5.875                    |                                     |
| 9,200.00                                                                             | 9,165.58                     | 9,186.27                     | 9,179.90                     | 27.33                   | 33.80                | -164.87                      | -150.20                       | -244.92             | 348.73                        | 290.10                         | 58.63                            | 5.948                    |                                     |
| 9,300.00                                                                             | 9,264.76                     | 9,285.92                     | 9,279.45                     | 27.70                   | 34.16                | -165.03                      | -152.46                       | -249.03             | 356.95                        | 297.65                         | 59.31                            | 6.019                    |                                     |
| 9,400.00                                                                             | 9,363.95                     | 9,385.58                     | 9,378.99                     | 28.08                   | 34.53                | -165.19                      | -154.73                       | -253.15             | 365.18                        | 305.19                         | 59.98                            | 6.088                    |                                     |
| 9,500.00                                                                             | 9,463.13                     | 9,485.24                     | 9,478.54                     | 28.45                   | 34.90                | -165.34                      | -156.99                       | -257.26             | 373.40                        | 312.74                         | 60.66                            | 6.156                    |                                     |
| 9,600.00                                                                             | 9,562.32                     | 9,584.89                     | 9,578.09                     | 28.83                   | 35.26                | -165.48                      | -159.25                       | -261.38             | 381.63                        | 320.29                         | 61.34                            | 6.222                    |                                     |
| 9,700.00                                                                             | 9,661.50                     | 9,684.55                     | 9,677.63                     | 29.21                   | 35.63                | -165.62                      | -161.52                       | -265.49             | 389.86                        | 327.84                         | 62.02                            | 6.286                    |                                     |
| 9,800.00                                                                             | 9,760.69                     | 9,784.21                     | 9,777.18                     | 29.59                   | 36.00                | -165.75                      | -163.78                       | -269.61             | 398.09                        | 335.39                         | 62.70                            | 6.349                    |                                     |
| 9,900.00                                                                             | 9,859.87                     | 9,883.86                     | 9,876.72                     | 29.97                   | 36.36                | -165.87                      | -166.04                       | -273.72             | 406.33                        | 342.95                         | 63.38                            | 6.411                    |                                     |
| 10,000.00                                                                            | 9,959.06                     | 9,983.52                     | 9,976.27                     | 30.35                   | 36.73                | -165.99                      | -168.30                       | -277.84             | 414.56                        | 350.50                         | 64.06                            | 6.471                    |                                     |
| 10,100.00                                                                            | 10,058.24                    | 10,083.18                    | 10,075.82                    | 30.74                   | 37.10                | -166.11                      | -170.57                       | -281.95             | 422.80                        | 358.05                         | 64.75                            | 6.530                    |                                     |

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

## Legacy Directional Drilling

### Anticollision Report

|                           |                                |                                     |                                  |
|---------------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Matador Resources Company      | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Project:</b>           | Lea County, New Mexico (NAD27) | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Reference Site:</b>    | Nina Cortell Fed Com           | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | ST01                           | <b>Database:</b>                    | EDM5000                          |
| <b>Reference Design:</b>  | Pan 3                          | <b>Offset TVD Reference:</b>        | Offset Datum                     |

|                                                                                      |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                                  |                          |                                     |
|--------------------------------------------------------------------------------------|------------------------------|------------------------------|------------------------------|-------------------------|----------------------|------------------------------|-------------------------------|---------------------|-------------------------------|--------------------------------|----------------------------------|--------------------------|-------------------------------------|
| <b>Offset Design:</b> Nina Cortell Fed Com - Nina Cortell Fed Com 133H - OH - Plan 2 |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                                  |                          | <b>Offset Site Error:</b> 0.00 usft |
| <b>Survey Program:</b> 0-MWD+IGRF                                                    |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                                  |                          | <b>Offset Well Error:</b> 0.00 usft |
| <b>Reference</b>                                                                     |                              | <b>Offset</b>                |                              | <b>Semi Major Axis</b>  |                      | <b>Highside Toolface (°)</b> | <b>Offset Wellbore Centre</b> |                     | <b>Distance</b>               |                                | <b>Minimum Separation (usft)</b> | <b>Separation Factor</b> | <b>Warning</b>                      |
| <b>Measured Depth (usft)</b>                                                         | <b>Vertical Depth (usft)</b> | <b>Measured Depth (usft)</b> | <b>Vertical Depth (usft)</b> | <b>Reference (usft)</b> | <b>Offset (usft)</b> |                              | <b>+N/-S (usft)</b>           | <b>+E/-W (usft)</b> | <b>Between Centres (usft)</b> | <b>Between Ellipses (usft)</b> |                                  |                          |                                     |
| 10,200.00                                                                            | 10,157.43                    | 10,182.83                    | 10,175.36                    | 31.12                   | 37.46                | -166.22                      | -172.83                       | -286.07             | 431.04                        | 365.61                         | 65.44                            | 6.587                    |                                     |
| 10,300.00                                                                            | 10,256.61                    | 10,282.49                    | 10,274.91                    | 31.51                   | 37.83                | -166.33                      | -175.09                       | -290.18             | 439.28                        | 373.16                         | 66.12                            | 6.643                    |                                     |
| 10,400.00                                                                            | 10,355.80                    | 10,382.15                    | 10,374.45                    | 31.90                   | 38.20                | -166.43                      | -177.36                       | -294.30             | 447.52                        | 380.71                         | 66.81                            | 6.698                    |                                     |
| 10,500.00                                                                            | 10,454.98                    | 10,481.80                    | 10,474.00                    | 32.29                   | 38.56                | -166.53                      | -179.62                       | -298.41             | 455.77                        | 388.27                         | 67.50                            | 6.752                    |                                     |
| 10,600.00                                                                            | 10,554.17                    | 10,581.46                    | 10,573.54                    | 32.68                   | 38.93                | -166.63                      | -181.88                       | -302.53             | 464.01                        | 395.82                         | 68.19                            | 6.805                    |                                     |
| 10,700.00                                                                            | 10,653.47                    | 10,681.19                    | 10,673.17                    | 33.05                   | 39.30                | -166.71                      | -184.15                       | -306.65             | 471.28                        | 402.41                         | 68.88                            | 6.843                    |                                     |
| 10,800.00                                                                            | 10,752.97                    | 10,781.03                    | 10,772.90                    | 33.42                   | 39.67                | -166.74                      | -186.42                       | -310.77             | 476.86                        | 407.29                         | 69.57                            | 6.854                    |                                     |
| 10,900.00                                                                            | 10,852.63                    | 10,880.96                    | 10,872.71                    | 33.78                   | 40.03                | -166.71                      | -188.69                       | -314.89             | 480.74                        | 410.47                         | 70.27                            | 6.842                    |                                     |
| 11,000.00                                                                            | 10,952.41                    | 10,980.93                    | 10,972.57                    | 34.12                   | 40.40                | -166.64                      | -190.96                       | -319.02             | 482.93                        | 411.96                         | 70.96                            | 6.805                    |                                     |
| 11,100.00                                                                            | 11,052.30                    | 11,080.92                    | 11,072.45                    | 34.45                   | 40.77                | -166.51                      | -193.23                       | -323.15             | 483.41                        | 411.75                         | 71.66                            | 6.746                    |                                     |
| 11,200.00                                                                            | 11,152.25                    | 11,177.36                    | 11,168.79                    | 34.77                   | 41.12                | -166.34                      | -195.35                       | -327.02             | 482.34                        | 409.99                         | 72.34                            | 6.667                    |                                     |
| 11,300.00                                                                            | 11,252.24                    | 11,267.33                    | 11,258.72                    | 35.07                   | 41.45                | -166.24                      | -196.53                       | -329.15             | 481.21                        | 408.22                         | 72.99                            | 6.593                    |                                     |
| 11,400.00                                                                            | 11,352.24                    | 11,360.85                    | 11,352.24                    | 35.35                   | 41.77                | 89.27                        | -196.74                       | -329.54             | 480.83                        | 407.24                         | 73.59                            | 6.534                    |                                     |
| 11,402.62                                                                            | 11,354.85                    | 11,363.46                    | 11,354.85                    | 35.35                   | 41.78                | 89.27                        | -196.74                       | -329.54             | 480.83                        | 407.22                         | 73.61                            | 6.532                    |                                     |
| 11,500.00                                                                            | 11,452.24                    | 11,460.66                    | 11,452.03                    | 35.62                   | 42.09                | 89.14                        | -195.67                       | -329.55             | 480.84                        | 406.63                         | 74.21                            | 6.479                    |                                     |
| 11,600.00                                                                            | 11,552.10                    | 11,558.65                    | 11,548.85                    | 35.93                   | 42.43                | 93.46                        | -181.37                       | -329.66             | 481.39                        | 406.68                         | 74.71                            | 6.443                    |                                     |
| 11,700.00                                                                            | 11,650.49                    | 11,654.15                    | 11,639.53                    | 36.24                   | 42.74                | 91.70                        | -151.78                       | -329.90             | 483.57                        | 408.44                         | 75.12                            | 6.437                    |                                     |
| 11,800.00                                                                            | 11,745.50                    | 11,746.86                    | 11,721.69                    | 36.54                   | 43.00                | 89.59                        | -109.04                       | -330.24             | 487.58                        | 412.12                         | 75.47                            | 6.461                    |                                     |
| 11,900.00                                                                            | 11,834.80                    | 11,836.80                    | 11,793.80                    | 36.77                   | 43.22                | 87.23                        | -55.45                        | -330.66             | 493.50                        | 417.75                         | 75.74                            | 6.515                    |                                     |
| 12,000.00                                                                            | 11,915.02                    | 11,924.62                    | 11,855.29                    | 37.03                   | 43.38                | 84.96                        | 7.13                          | -331.16             | 501.01                        | 425.02                         | 75.99                            | 6.593                    |                                     |
| 12,100.00                                                                            | 11,983.70                    | 12,010.71                    | 11,905.60                    | 37.23                   | 43.50                | 82.89                        | 76.89                         | -331.71             | 509.70                        | 433.45                         | 76.25                            | 6.685                    |                                     |
| 12,200.00                                                                            | 12,038.74                    | 12,095.44                    | 11,944.37                    | 37.37                   | 43.57                | 81.07                        | 152.14                        | -332.31             | 519.12                        | 442.58                         | 76.54                            | 6.782                    |                                     |
| 12,300.00                                                                            | 12,078.48                    | 12,179.15                    | 11,971.37                    | 37.48                   | 43.69                | 79.52                        | 231.30                        | -332.94             | 528.84                        | 451.92                         | 76.92                            | 6.875                    |                                     |
| 12,400.00                                                                            | 12,101.70                    | 12,262.17                    | 11,986.49                    | 37.61                   | 43.97                | 78.28                        | 312.86                        | -333.59             | 538.48                        | 461.07                         | 77.41                            | 6.956                    |                                     |
| 12,500.00                                                                            | 12,107.84                    | 12,348.78                    | 11,990.00                    | 37.82                   | 44.29                | 77.50                        | 399.33                        | -334.27             | 547.64                        | 469.58                         | 78.06                            | 7.015                    |                                     |
| 12,600.00                                                                            | 12,107.31                    | 12,448.37                    | 11,990.00                    | 38.15                   | 44.73                | 77.76                        | 498.92                        | -335.06             | 556.28                        | 477.30                         | 78.98                            | 7.043                    |                                     |
| 12,700.00                                                                            | 12,106.79                    | 12,548.13                    | 11,990.00                    | 38.61                   | 45.23                | 77.99                        | 598.68                        | -335.86             | 562.83                        | 482.75                         | 80.08                            | 7.028                    |                                     |
| 12,800.00                                                                            | 12,106.27                    | 12,648.07                    | 11,990.00                    | 39.22                   | 45.81                | 78.14                        | 698.61                        | -336.65             | 565.97                        | 484.59                         | 81.38                            | 6.955                    |                                     |
| 12,879.19                                                                            | 12,105.86                    | 12,727.26                    | 11,990.00                    | 39.75                   | 46.32                | 78.20                        | 777.80                        | -337.28             | 566.63                        | 484.17                         | 82.45                            | 6.872                    |                                     |
| 12,900.00                                                                            | 12,105.75                    | 12,748.07                    | 11,990.00                    | 39.90                   | 46.46                | 78.20                        | 798.61                        | -337.44             | 566.22                        | 483.47                         | 82.74                            | 6.843                    |                                     |
| 12,979.03                                                                            | 12,105.34                    | 12,827.10                    | 11,990.00                    | 40.51                   | 47.02                | 78.25                        | 877.64                        | -338.07             | 566.14                        | 482.22                         | 83.93                            | 6.746                    |                                     |
| 13,000.00                                                                            | 12,105.23                    | 12,848.07                    | 11,990.00                    | 40.68                   | 47.17                | 78.26                        | 898.60                        | -338.24             | 566.12                        | 481.87                         | 84.25                            | 6.719                    |                                     |
| 13,079.00                                                                            | 12,104.82                    | 12,927.07                    | 11,990.00                    | 41.36                   | 47.78                | 78.30                        | 977.60                        | -338.87             | 566.05                        | 480.51                         | 85.54                            | 6.617                    |                                     |
| 13,100.00                                                                            | 12,104.71                    | 12,947.60                    | 11,990.00                    | 41.55                   | 47.94                | 78.31                        | 998.13                        | -339.03             | 566.03                        | 480.15                         | 85.88                            | 6.591                    |                                     |
| 13,123.04                                                                            | 12,104.59                    | 12,970.20                    | 11,989.91                    | 41.77                   | 48.12                | 78.31                        | 1,020.73                      | -339.21             | 566.03                        | 479.75                         | 86.28                            | 6.561                    |                                     |
| 13,200.00                                                                            | 12,104.19                    | 13,046.61                    | 11,988.98                    | 42.50                   | 48.77                | 78.26                        | 1,097.13                      | -339.81             | 566.15                        | 478.53                         | 87.62                            | 6.461                    |                                     |
| 13,223.03                                                                            | 12,104.07                    | 13,069.64                    | 11,988.69                    | 42.73                   | 48.97                | 78.24                        | 1,120.17                      | -340.00             | 566.19                        | 478.14                         | 88.05                            | 6.430                    |                                     |
| 13,300.00                                                                            | 12,103.67                    | 13,146.61                    | 11,987.72                    | 43.52                   | 49.67                | 78.18                        | 1,197.12                      | -340.61             | 566.32                        | 476.82                         | 89.50                            | 6.328                    |                                     |
| 13,323.03                                                                            | 12,103.55                    | 13,169.64                    | 11,987.43                    | 43.77                   | 49.89                | 78.17                        | 1,220.15                      | -340.79             | 566.35                        | 476.40                         | 89.95                            | 6.296                    |                                     |
| 13,400.00                                                                            | 12,103.14                    | 13,246.61                    | 11,986.45                    | 44.60                   | 50.63                | 78.11                        | 1,297.11                      | -341.40             | 566.48                        | 474.99                         | 91.49                            | 6.192                    |                                     |
| 13,423.03                                                                            | 12,103.02                    | 13,269.64                    | 11,986.16                    | 44.86                   | 50.85                | 78.10                        | 1,320.14                      | -341.58             | 566.52                        | 474.55                         | 91.97                            | 6.160                    |                                     |
| 13,500.00                                                                            | 12,102.62                    | 13,346.60                    | 11,985.19                    | 45.74                   | 51.64                | 78.04                        | 1,397.09                      | -342.19             | 566.65                        | 473.06                         | 93.59                            | 6.055                    |                                     |
| 13,523.03                                                                            | 12,102.51                    | 13,369.64                    | 11,984.90                    | 46.01                   | 51.87                | 78.02                        | 1,420.12                      | -342.38             | 566.69                        | 472.60                         | 94.09                            | 6.023                    |                                     |
| 13,600.00                                                                            | 12,102.10                    | 13,446.60                    | 11,983.93                    | 46.93                   | 52.69                | 77.97                        | 1,497.08                      | -342.99             | 566.82                        | 471.03                         | 95.78                            | 5.918                    |                                     |
| 13,622.84                                                                            | 12,102.01                    | 13,469.44                    | 11,983.64                    | 47.21                   | 52.94                | 77.95                        | 1,519.92                      | -343.17             | 566.86                        | 470.56                         | 96.30                            | 5.886                    |                                     |
| 13,700.00                                                                            | 12,102.07                    | 13,546.59                    | 11,982.67                    | 48.16                   | 53.80                | 77.85                        | 1,597.06                      | -343.78             | 567.10                        | 469.05                         | 98.05                            | 5.784                    |                                     |
| 13,722.84                                                                            | 12,102.07                    | 13,569.43                    | 11,982.38                    | 48.45                   | 54.06                | 77.82                        | 1,619.89                      | -343.96             | 567.16                        | 468.58                         | 98.58                            | 5.753                    |                                     |
| 13,800.00                                                                            | 12,102.07                    | 13,646.59                    | 11,981.41                    | 49.44                   | 54.95                | 77.72                        | 1,697.04                      | -344.57             | 567.39                        | 466.98                         | 100.41                           | 5.651                    |                                     |
| 13,822.84                                                                            | 12,102.07                    | 13,669.42                    | 11,981.12                    | 49.74                   | 55.21                | 77.69                        | 1,719.88                      | -344.75             | 567.45                        | 466.49                         | 100.96                           | 5.621                    |                                     |
| 13,900.00                                                                            | 12,102.06                    | 13,746.58                    | 11,980.15                    | 50.76                   | 56.14                | 77.60                        | 1,797.02                      | -345.36             | 567.68                        | 464.84                         | 102.84                           | 5.520                    |                                     |
| 13,922.84                                                                            | 12,102.06                    | 13,769.41                    | 11,979.86                    | 51.07                   | 56.41                | 77.57                        | 1,819.86                      | -345.55             | 567.75                        | 464.34                         | 103.41                           | 5.490                    |                                     |
| 14,000.00                                                                            | 12,102.06                    | 13,846.57                    | 11,978.89                    | 52.11                   | 57.36                | 77.48                        | 1,897.00                      | -346.16             | 567.98                        | 462.62                         | 105.35                           | 5.391                    |                                     |

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

## Legacy Directional Drilling

### Anticollision Report

|                           |                                |                                     |                                  |
|---------------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Matador Resources Company      | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Project:</b>           | Lea County, New Mexico (NAD27) | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Reference Site:</b>    | Nina Cortell Fed Com           | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | ST01                           | <b>Database:</b>                    | EDM5000                          |
| <b>Reference Design:</b>  | Pan 3                          | <b>Offset TVD Reference:</b>        | Offset Datum                     |

|                                                                                      |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                                  |                          |                                     |
|--------------------------------------------------------------------------------------|------------------------------|------------------------------|------------------------------|-------------------------|----------------------|------------------------------|-------------------------------|---------------------|-------------------------------|--------------------------------|----------------------------------|--------------------------|-------------------------------------|
| <b>Offset Design:</b> Nina Cortell Fed Com - Nina Cortell Fed Com 133H - OH - Plan 2 |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                                  |                          | <b>Offset Site Error:</b> 0.00 usft |
| <b>Survey Program:</b> 0-MWD+IGRF                                                    |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                                  |                          | <b>Offset Well Error:</b> 0.00 usft |
| <b>Reference</b>                                                                     |                              | <b>Offset</b>                |                              | <b>Semi Major Axis</b>  |                      | <b>Highside Toolface (°)</b> | <b>Offset Wellbore Centre</b> |                     | <b>Distance</b>               |                                | <b>Minimum Separation (usft)</b> | <b>Separation Factor</b> | <b>Warning</b>                      |
| <b>Measured Depth (usft)</b>                                                         | <b>Vertical Depth (usft)</b> | <b>Measured Depth (usft)</b> | <b>Vertical Depth (usft)</b> | <b>Reference (usft)</b> | <b>Offset (usft)</b> |                              | <b>+N/-S (usft)</b>           | <b>+E/-W (usft)</b> | <b>Between Centres (usft)</b> | <b>Between Ellipses (usft)</b> |                                  |                          |                                     |
| 14,022.84                                                                            | 12,102.06                    | 13,869.41                    | 11,978.60                    | 52.43                   | 57.65                | 77.45                        | 1,919.84                      | -346.34             | 568.04                        | 462.11                         | 105.94                           | 5.362                    |                                     |
| 14,100.00                                                                            | 12,102.06                    | 13,946.56                    | 11,977.63                    | 53.50                   | 58.63                | 77.35                        | 1,996.98                      | -346.95             | 568.27                        | 460.35                         | 107.93                           | 5.265                    |                                     |
| 14,122.84                                                                            | 12,102.06                    | 13,969.40                    | 11,977.34                    | 53.82                   | 58.92                | 77.32                        | 2,019.82                      | -347.13             | 568.34                        | 459.82                         | 108.53                           | 5.237                    |                                     |
| 14,200.00                                                                            | 12,102.05                    | 14,046.55                    | 11,976.37                    | 54.92                   | 59.93                | 77.23                        | 2,096.97                      | -347.74             | 568.58                        | 458.01                         | 110.56                           | 5.142                    |                                     |
| 14,222.84                                                                            | 12,102.05                    | 14,069.39                    | 11,976.08                    | 55.25                   | 60.23                | 77.20                        | 2,119.80                      | -347.92             | 568.64                        | 457.47                         | 111.18                           | 5.115                    |                                     |
| 14,300.00                                                                            | 12,102.05                    | 14,146.55                    | 11,975.11                    | 56.37                   | 61.26                | 77.11                        | 2,196.95                      | -348.54             | 568.88                        | 455.62                         | 113.26                           | 5.023                    |                                     |
| 14,322.84                                                                            | 12,102.05                    | 14,169.39                    | 11,974.82                    | 56.70                   | 61.57                | 77.08                        | 2,219.79                      | -348.72             | 568.95                        | 455.06                         | 113.88                           | 4.996                    |                                     |
| 14,400.00                                                                            | 12,102.05                    | 14,246.54                    | 11,973.84                    | 57.84                   | 62.62                | 76.98                        | 2,296.93                      | -349.33             | 569.19                        | 453.18                         | 116.01                           | 4.906                    |                                     |
| 14,422.85                                                                            | 12,102.05                    | 14,269.38                    | 11,973.56                    | 58.19                   | 62.94                | 76.95                        | 2,319.77                      | -349.51             | 569.26                        | 452.61                         | 116.64                           | 4.880                    |                                     |
| 14,500.00                                                                            | 12,102.05                    | 14,346.53                    | 11,972.58                    | 59.34                   | 64.01                | 76.86                        | 2,396.91                      | -350.12             | 569.49                        | 450.69                         | 118.80                           | 4.794                    |                                     |
| 14,522.85                                                                            | 12,102.05                    | 14,369.37                    | 11,972.29                    | 59.69                   | 64.33                | 76.83                        | 2,419.75                      | -350.30             | 569.56                        | 450.11                         | 119.45                           | 4.768                    |                                     |
| 14,600.00                                                                            | 12,102.04                    | 14,446.52                    | 11,971.32                    | 60.87                   | 65.43                | 76.74                        | 2,496.89                      | -350.92             | 569.81                        | 448.16                         | 121.65                           | 4.684                    |                                     |
| 14,622.85                                                                            | 12,102.04                    | 14,469.37                    | 11,971.03                    | 61.22                   | 65.75                | 76.71                        | 2,519.73                      | -351.10             | 569.88                        | 447.57                         | 122.30                           | 4.660                    |                                     |
| 14,700.00                                                                            | 12,102.04                    | 14,546.51                    | 11,970.06                    | 62.41                   | 66.87                | 76.61                        | 2,596.87                      | -351.71             | 570.12                        | 445.59                         | 124.53                           | 4.578                    |                                     |
| 14,722.85                                                                            | 12,102.04                    | 14,569.36                    | 11,969.77                    | 62.77                   | 67.20                | 76.59                        | 2,619.72                      | -351.89             | 570.19                        | 445.00                         | 125.20                           | 4.554                    |                                     |
| 14,800.00                                                                            | 12,102.04                    | 14,646.51                    | 11,968.80                    | 63.97                   | 68.33                | 76.49                        | 2,696.85                      | -352.50             | 570.44                        | 442.98                         | 127.45                           | 4.476                    |                                     |
| 14,822.85                                                                            | 12,102.04                    | 14,669.35                    | 11,968.51                    | 64.33                   | 68.67                | 76.46                        | 2,719.70                      | -352.68             | 570.51                        | 442.38                         | 128.13                           | 4.453                    |                                     |
| 14,900.00                                                                            | 12,102.03                    | 14,746.50                    | 11,967.54                    | 65.55                   | 69.82                | 76.37                        | 2,796.83                      | -353.29             | 570.75                        | 440.34                         | 130.41                           | 4.377                    |                                     |
| 14,922.85                                                                            | 12,102.03                    | 14,769.35                    | 11,967.25                    | 65.92                   | 70.16                | 76.34                        | 2,819.68                      | -353.48             | 570.83                        | 439.73                         | 131.09                           | 4.354                    |                                     |
| 15,000.00                                                                            | 12,102.03                    | 14,846.49                    | 11,966.28                    | 67.15                   | 71.32                | 76.25                        | 2,896.81                      | -354.09             | 571.08                        | 437.67                         | 133.40                           | 4.281                    |                                     |
| 15,022.85                                                                            | 12,102.03                    | 14,869.34                    | 11,965.99                    | 67.52                   | 71.67                | 76.22                        | 2,919.66                      | -354.27             | 571.15                        | 437.06                         | 134.09                           | 4.259                    |                                     |
| 15,100.00                                                                            | 12,102.03                    | 14,946.48                    | 11,965.02                    | 68.77                   | 72.84                | 76.13                        | 2,996.79                      | -354.88             | 571.40                        | 434.98                         | 136.42                           | 4.188                    |                                     |
| 15,122.94                                                                            | 12,102.03                    | 14,969.69                    | 11,964.76                    | 69.14                   | 73.20                | 76.10                        | 3,020.00                      | -355.06             | 571.47                        | 434.33                         | 137.13                           | 4.167                    |                                     |
| 15,200.00                                                                            | 12,102.03                    | 15,046.75                    | 11,963.94                    | 70.40                   | 74.39                | 76.02                        | 3,097.05                      | -355.68             | 571.68                        | 432.19                         | 139.49                           | 4.098                    |                                     |
| 15,222.92                                                                            | 12,102.03                    | 15,069.67                    | 11,963.69                    | 70.77                   | 74.74                | 76.00                        | 3,119.97                      | -355.86             | 571.75                        | 431.55                         | 140.20                           | 4.078                    |                                     |
| 15,300.00                                                                            | 12,102.02                    | 15,146.74                    | 11,962.87                    | 72.04                   | 75.95                | 75.92                        | 3,197.04                      | -356.47             | 571.96                        | 429.38                         | 142.58                           | 4.012                    |                                     |
| 15,322.92                                                                            | 12,102.02                    | 15,169.67                    | 11,962.63                    | 72.42                   | 76.31                | 75.90                        | 3,219.96                      | -356.65             | 572.03                        | 428.74                         | 143.29                           | 3.992                    |                                     |
| 15,400.00                                                                            | 12,102.02                    | 15,246.74                    | 11,961.81                    | 73.70                   | 77.52                | 75.82                        | 3,297.02                      | -357.26             | 572.24                        | 426.56                         | 145.69                           | 3.928                    |                                     |
| 15,422.92                                                                            | 12,102.02                    | 15,269.66                    | 11,961.56                    | 74.08                   | 77.88                | 75.79                        | 3,319.94                      | -357.45             | 572.31                        | 425.90                         | 146.41                           | 3.909                    |                                     |
| 15,500.00                                                                            | 12,102.02                    | 15,346.73                    | 11,960.74                    | 75.36                   | 79.11                | 75.71                        | 3,397.01                      | -358.06             | 572.53                        | 423.70                         | 148.82                           | 3.847                    |                                     |
| 15,522.93                                                                            | 12,102.02                    | 15,369.66                    | 11,960.50                    | 75.75                   | 79.48                | 75.69                        | 3,419.93                      | -358.24             | 572.59                        | 423.05                         | 149.55                           | 3.829                    |                                     |
| 15,600.00                                                                            | 12,102.01                    | 15,446.73                    | 11,959.67                    | 77.04                   | 80.71                | 75.61                        | 3,496.99                      | -358.85             | 572.82                        | 420.83                         | 151.98                           | 3.769                    |                                     |
| 15,622.93                                                                            | 12,102.01                    | 15,469.65                    | 11,959.43                    | 77.43                   | 81.08                | 75.59                        | 3,519.92                      | -359.03             | 572.88                        | 420.17                         | 152.71                           | 3.751                    |                                     |
| 15,700.00                                                                            | 12,102.01                    | 15,546.72                    | 11,958.61                    | 78.73                   | 82.33                | 75.51                        | 3,596.98                      | -359.65             | 573.10                        | 417.95                         | 155.16                           | 3.694                    |                                     |
| 15,722.93                                                                            | 12,102.01                    | 15,569.65                    | 11,958.36                    | 79.12                   | 82.70                | 75.49                        | 3,619.90                      | -359.83             | 573.17                        | 417.28                         | 155.89                           | 3.677                    |                                     |
| 15,800.00                                                                            | 12,102.01                    | 15,646.72                    | 11,957.54                    | 80.43                   | 83.96                | 75.41                        | 3,696.97                      | -360.44             | 573.39                        | 415.04                         | 158.35                           | 3.621                    |                                     |
| 15,822.93                                                                            | 12,102.01                    | 15,669.64                    | 11,957.30                    | 80.82                   | 84.34                | 75.38                        | 3,719.89                      | -360.62             | 573.46                        | 414.37                         | 159.09                           | 3.605                    |                                     |
| 15,900.00                                                                            | 12,102.01                    | 15,746.71                    | 11,956.48                    | 82.14                   | 85.60                | 75.30                        | 3,796.95                      | -361.23             | 573.69                        | 412.12                         | 161.57                           | 3.551                    |                                     |
| 15,922.93                                                                            | 12,102.01                    | 15,769.64                    | 11,956.23                    | 82.53                   | 85.98                | 75.28                        | 3,819.88                      | -361.42             | 573.75                        | 411.45                         | 162.30                           | 3.535                    |                                     |
| 16,000.00                                                                            | 12,102.00                    | 15,846.70                    | 11,955.41                    | 83.86                   | 87.25                | 75.20                        | 3,896.94                      | -362.03             | 573.98                        | 409.19                         | 164.79                           | 3.483                    |                                     |
| 16,022.93                                                                            | 12,102.00                    | 15,869.63                    | 11,955.17                    | 84.25                   | 87.63                | 75.18                        | 3,919.86                      | -362.21             | 574.05                        | 408.51                         | 165.54                           | 3.468                    |                                     |
| 16,100.00                                                                            | 12,102.00                    | 15,946.70                    | 11,954.34                    | 85.58                   | 88.92                | 75.10                        | 3,996.92                      | -362.82             | 574.27                        | 406.24                         | 168.04                           | 3.418                    |                                     |
| 16,123.02                                                                            | 12,101.98                    | 15,969.72                    | 11,954.10                    | 85.98                   | 89.30                | 75.08                        | 4,019.94                      | -363.00             | 574.34                        | 405.55                         | 168.79                           | 3.403                    |                                     |
| 16,200.00                                                                            | 12,101.80                    | 16,046.69                    | 11,953.28                    | 87.31                   | 90.59                | 75.02                        | 4,096.91                      | -363.62             | 574.51                        | 403.20                         | 171.30                           | 3.354                    |                                     |
| 16,223.02                                                                            | 12,101.76                    | 16,069.71                    | 11,953.03                    | 87.72                   | 90.98                | 75.00                        | 4,119.92                      | -363.80             | 574.56                        | 402.50                         | 172.06                           | 3.339                    |                                     |
| 16,300.00                                                                            | 12,101.60                    | 16,146.69                    | 11,952.21                    | 89.06                   | 92.27                | 74.93                        | 4,196.90                      | -364.41             | 574.74                        | 400.15                         | 174.59                           | 3.292                    |                                     |
| 16,323.02                                                                            | 12,101.56                    | 16,169.71                    | 11,951.97                    | 89.46                   | 92.66                | 74.91                        | 4,219.91                      | -364.59             | 574.79                        | 399.45                         | 175.34                           | 3.278                    |                                     |
| 16,400.00                                                                            | 12,101.40                    | 16,246.69                    | 11,951.15                    | 90.80                   | 93.96                | 74.85                        | 4,296.88                      | -365.20             | 574.97                        | 397.09                         | 177.88                           | 3.232                    |                                     |
| 16,423.02                                                                            | 12,101.36                    | 16,269.70                    | 11,950.90                    | 91.21                   | 94.35                | 74.83                        | 4,319.90                      | -365.39             | 575.02                        | 396.38                         | 178.64                           | 3.219                    |                                     |
| 16,500.00                                                                            | 12,101.20                    | 16,346.68                    | 11,950.08                    | 92.56                   | 95.66                | 74.77                        | 4,396.87                      | -366.00             | 575.20                        | 394.02                         | 181.19                           | 3.175                    |                                     |
| 16,523.02                                                                            | 12,101.16                    | 16,369.70                    | 11,949.83                    | 92.96                   | 96.05                | 74.75                        | 4,419.89                      | -366.18             | 575.26                        | 393.31                         | 181.95                           | 3.162                    |                                     |
| 16,600.00                                                                            | 12,101.00                    | 16,446.68                    | 11,949.01                    | 94.32                   | 97.37                | 74.68                        | 4,496.86                      | -366.79             | 575.44                        | 390.94                         | 184.50                           | 3.119                    |                                     |

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



## Legacy Directional Drilling

### Anticollision Report

|                           |                                |                                     |                                  |
|---------------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Matador Resources Company      | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Project:</b>           | Lea County, New Mexico (NAD27) | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Reference Site:</b>    | Nina Cortell Fed Com           | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | ST01                           | <b>Database:</b>                    | EDM5000                          |
| <b>Reference Design:</b>  | Pan 3                          | <b>Offset TVD Reference:</b>        | Offset Datum                     |

|                                                                                      |                              |                              |                              |                         |                      |                               |                     |                     |                               |                                |                          |                           |           |
|--------------------------------------------------------------------------------------|------------------------------|------------------------------|------------------------------|-------------------------|----------------------|-------------------------------|---------------------|---------------------|-------------------------------|--------------------------------|--------------------------|---------------------------|-----------|
| <b>Offset Design:</b> Nina Cortell Fed Com - Nina Cortell Fed Com 133H - OH - Plan 2 |                              |                              |                              |                         |                      |                               |                     |                     |                               |                                |                          | <b>Offset Site Error:</b> | 0.00 usft |
| <b>Survey Program:</b> 0-MWD+IGRF                                                    |                              |                              |                              |                         |                      |                               |                     |                     |                               |                                |                          | <b>Offset Well Error:</b> | 0.00 usft |
| <b>Reference</b>                                                                     | <b>Offset</b>                | <b>Semi Major Axis</b>       |                              | <b>Highside</b>         |                      | <b>Offset Wellbore Centre</b> |                     | <b>Distance</b>     |                               | <b>Minimum</b>                 | <b>Separation</b>        | <b>Warning</b>            |           |
| <b>Measured Depth (usft)</b>                                                         | <b>Vertical Depth (usft)</b> | <b>Measured Depth (usft)</b> | <b>Vertical Depth (usft)</b> | <b>Reference (usft)</b> | <b>Offset (usft)</b> | <b>Toolface (°)</b>           | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Between Centres (usft)</b> | <b>Between Ellipses (usft)</b> | <b>Separation (usft)</b> |                           |           |
| 16,678.96                                                                            | 12,100.84                    | 16,527.27                    | 11,948.84                    | 95.71                   | 98.75                | 74.68                         | 4,577.45            | -367.43             | 575.45                        | 388.20                         | 187.25                   | 3.073                     |           |
| 16,700.00                                                                            | 12,100.80                    | 16,548.31                    | 11,948.84                    | 96.08                   | 99.11                | 74.69                         | 4,598.49            | -367.60             | 575.44                        | 387.47                         | 187.96                   | 3.061                     |           |
| 16,778.93                                                                            | 12,100.64                    | 16,627.24                    | 11,948.85                    | 97.48                   | 100.46               | 74.70                         | 4,677.41            | -368.22             | 575.40                        | 384.74                         | 190.66                   | 3.018                     |           |
| 16,800.00                                                                            | 12,100.60                    | 16,648.31                    | 11,948.85                    | 97.86                   | 100.83               | 74.71                         | 4,698.48            | -368.39             | 575.39                        | 384.01                         | 191.38                   | 3.007                     |           |
| 16,878.93                                                                            | 12,100.44                    | 16,727.24                    | 11,948.86                    | 99.26                   | 102.19               | 74.72                         | 4,777.41            | -369.02             | 575.35                        | 381.27                         | 194.08                   | 2.964                     |           |
| 16,900.00                                                                            | 12,100.40                    | 16,748.31                    | 11,948.86                    | 99.63                   | 102.55               | 74.73                         | 4,798.48            | -369.18             | 575.34                        | 380.53                         | 194.81                   | 2.953                     |           |
| 16,978.93                                                                            | 12,100.24                    | 16,827.24                    | 11,948.87                    | 101.04                  | 103.92               | 74.74                         | 4,877.41            | -369.81             | 575.30                        | 377.78                         | 197.52                   | 2.913                     |           |
| 17,000.00                                                                            | 12,100.20                    | 16,848.31                    | 11,948.87                    | 101.41                  | 104.29               | 74.75                         | 4,898.48            | -369.98             | 575.29                        | 377.05                         | 198.25                   | 2.902                     |           |
| 17,078.93                                                                            | 12,100.04                    | 16,927.24                    | 11,948.87                    | 102.82                  | 105.66               | 74.76                         | 4,977.40            | -370.60             | 575.26                        | 374.29                         | 200.97                   | 2.862                     |           |
| 17,100.00                                                                            | 12,100.00                    | 16,948.31                    | 11,948.88                    | 103.20                  | 106.03               | 74.77                         | 4,998.47            | -370.77             | 575.25                        | 373.55                         | 201.70                   | 2.852                     |           |
| 17,178.93                                                                            | 12,099.84                    | 17,027.24                    | 11,948.88                    | 104.61                  | 107.40               | 74.79                         | 5,077.40            | -371.40             | 575.21                        | 370.78                         | 204.43                   | 2.814                     |           |
| 17,200.00                                                                            | 12,099.80                    | 17,048.31                    | 11,948.88                    | 104.99                  | 107.77               | 74.79                         | 5,098.47            | -371.56             | 575.20                        | 370.04                         | 205.16                   | 2.804                     |           |
| 17,278.93                                                                            | 12,099.64                    | 17,127.24                    | 11,948.89                    | 106.41                  | 109.15               | 74.81                         | 5,177.40            | -372.19             | 575.16                        | 367.27                         | 207.89                   | 2.767                     |           |
| 17,300.00                                                                            | 12,099.60                    | 17,148.31                    | 11,948.89                    | 106.79                  | 109.52               | 74.81                         | 5,198.47            | -372.36             | 575.15                        | 366.53                         | 208.63                   | 2.757                     |           |
| 17,378.93                                                                            | 12,099.44                    | 17,227.24                    | 11,948.90                    | 108.21                  | 110.91               | 74.83                         | 5,277.39            | -372.98             | 575.11                        | 363.74                         | 211.37                   | 2.721                     |           |
| 17,400.00                                                                            | 12,099.40                    | 17,248.31                    | 11,948.90                    | 108.58                  | 111.28               | 74.83                         | 5,298.46            | -373.15             | 575.10                        | 363.00                         | 212.11                   | 2.711                     |           |
| 17,478.93                                                                            | 12,099.24                    | 17,327.24                    | 11,948.91                    | 110.01                  | 112.67               | 74.85                         | 5,377.39            | -373.78             | 575.07                        | 360.21                         | 214.86                   | 2.677                     |           |
| 17,500.00                                                                            | 12,099.20                    | 17,348.31                    | 11,948.91                    | 110.39                  | 113.04               | 74.85                         | 5,398.46            | -373.95             | 575.06                        | 359.46                         | 215.59                   | 2.667                     |           |
| 17,578.93                                                                            | 12,099.05                    | 17,427.24                    | 11,948.92                    | 111.81                  | 114.43               | 74.86                         | 5,477.39            | -374.57             | 575.02                        | 356.67                         | 218.35                   | 2.633                     |           |
| 17,600.00                                                                            | 12,099.00                    | 17,448.31                    | 11,948.92                    | 112.19                  | 114.81               | 74.87                         | 5,498.46            | -374.74             | 575.01                        | 355.92                         | 219.09                   | 2.625                     |           |
| 17,623.11                                                                            | 12,098.99                    | 17,471.42                    | 11,948.92                    | 112.61                  | 115.22               | 74.87                         | 5,521.56            | -374.92             | 575.01                        | 355.11                         | 219.90                   | 2.615                     |           |
| 17,700.00                                                                            | 12,099.60                    | 17,548.31                    | 11,948.93                    | 114.00                  | 116.58               | 74.81                         | 5,598.45            | -375.53             | 575.17                        | 352.65                         | 222.53                   | 2.585                     |           |
| 17,723.07                                                                            | 12,099.76                    | 17,571.38                    | 11,948.93                    | 114.42                  | 116.99               | 74.80                         | 5,621.52            | -375.72             | 575.22                        | 351.90                         | 223.32                   | 2.576                     |           |
| 17,800.00                                                                            | 12,100.30                    | 17,648.30                    | 11,948.93                    | 115.81                  | 118.35               | 74.75                         | 5,698.45            | -376.33             | 575.36                        | 349.40                         | 225.96                   | 2.546                     |           |
| 17,823.07                                                                            | 12,100.47                    | 17,671.37                    | 11,948.94                    | 116.23                  | 118.76               | 74.73                         | 5,721.52            | -376.51             | 575.41                        | 348.66                         | 226.75                   | 2.538                     |           |
| 17,900.00                                                                            | 12,101.01                    | 17,748.30                    | 11,948.94                    | 117.63                  | 120.13               | 74.68                         | 5,798.48            | -377.12             | 575.56                        | 346.16                         | 229.40                   | 2.509                     |           |
| 17,923.07                                                                            | 12,101.17                    | 17,771.37                    | 11,948.94                    | 118.05                  | 120.54               | 74.67                         | 5,821.51            | -377.30             | 575.60                        | 345.41                         | 230.19                   | 2.501                     |           |
| 18,000.00                                                                            | 12,101.72                    | 17,848.30                    | 11,948.95                    | 119.45                  | 121.92               | 74.61                         | 5,898.43            | -377.91             | 575.75                        | 342.91                         | 232.84                   | 2.473                     |           |
| 18,023.07                                                                            | 12,101.88                    | 17,871.37                    | 11,948.95                    | 119.87                  | 122.33               | 74.60                         | 5,921.50            | -378.10             | 575.79                        | 342.15                         | 233.64                   | 2.464                     |           |
| 18,100.00                                                                            | 12,102.42                    | 17,948.30                    | 11,948.96                    | 121.27                  | 123.70               | 74.55                         | 5,998.43            | -378.71             | 575.94                        | 339.65                         | 236.29                   | 2.437                     |           |
| 18,123.07                                                                            | 12,102.58                    | 17,971.37                    | 11,948.96                    | 121.69                  | 124.12               | 74.53                         | 6,021.50            | -378.89             | 575.99                        | 338.90                         | 237.09                   | 2.429                     |           |
| 18,200.00                                                                            | 12,103.13                    | 18,048.29                    | 11,948.97                    | 123.10                  | 125.50               | 74.48                         | 6,098.42            | -379.50             | 576.14                        | 336.39                         | 239.74                   | 2.403                     |           |
| 18,223.07                                                                            | 12,103.29                    | 18,071.37                    | 11,948.97                    | 123.52                  | 125.91               | 74.46                         | 6,121.49            | -379.68             | 576.18                        | 335.64                         | 240.54                   | 2.395                     |           |
| 18,300.00                                                                            | 12,103.83                    | 18,148.29                    | 11,948.98                    | 124.93                  | 127.29               | 74.41                         | 6,198.42            | -380.29             | 576.33                        | 333.13                         | 243.20                   | 2.370                     |           |
| 18,323.07                                                                            | 12,104.00                    | 18,171.36                    | 11,948.98                    | 125.35                  | 127.70               | 74.40                         | 6,221.49            | -380.48             | 576.38                        | 332.38                         | 244.00                   | 2.362                     |           |
| 18,400.00                                                                            | 12,104.54                    | 18,248.29                    | 11,948.98                    | 126.76                  | 129.09               | 74.35                         | 6,298.41            | -381.09             | 576.53                        | 329.87                         | 246.66                   | 2.337                     |           |
| 18,423.07                                                                            | 12,104.70                    | 18,271.36                    | 11,948.99                    | 127.18                  | 129.50               | 74.33                         | 6,321.48            | -381.27             | 576.57                        | 329.11                         | 247.46                   | 2.330                     |           |
| 18,500.00                                                                            | 12,105.24                    | 18,348.29                    | 11,948.99                    | 128.59                  | 130.89               | 74.28                         | 6,398.41            | -381.88             | 576.72                        | 326.60                         | 250.12                   | 2.306                     |           |
| 18,523.07                                                                            | 12,105.41                    | 18,371.36                    | 11,948.99                    | 129.01                  | 131.31               | 74.27                         | 6,421.48            | -382.06             | 576.77                        | 325.85                         | 250.92                   | 2.299                     |           |
| 18,600.00                                                                            | 12,105.95                    | 18,448.31                    | 11,949.00                    | 130.42                  | 132.69               | 74.21                         | 6,498.43            | -382.67             | 576.92                        | 323.33                         | 253.58                   | 2.275                     |           |
| 18,623.35                                                                            | 12,106.12                    | 18,472.73                    | 11,949.11                    | 130.85                  | 133.13               | 74.21                         | 6,522.84            | -382.87             | 576.94                        | 322.49                         | 254.45                   | 2.267                     |           |
| 18,700.00                                                                            | 12,106.66                    | 18,549.38                    | 11,949.65                    | 132.26                  | 134.52               | 74.21                         | 6,599.49            | -383.48             | 576.94                        | 319.78                         | 257.16                   | 2.243                     |           |
| 18,723.31                                                                            | 12,106.82                    | 18,572.69                    | 11,949.81                    | 132.69                  | 134.94               | 74.21                         | 6,622.80            | -383.66             | 576.95                        | 318.96                         | 257.99                   | 2.236                     |           |
| 18,800.00                                                                            | 12,107.36                    | 18,649.38                    | 11,950.36                    | 134.10                  | 136.33               | 74.21                         | 6,699.48            | -384.27             | 576.95                        | 316.25                         | 260.71                   | 2.213                     |           |
| 18,823.31                                                                            | 12,107.53                    | 18,672.69                    | 11,950.52                    | 134.53                  | 136.75               | 74.21                         | 6,722.79            | -384.45             | 576.95                        | 315.42                         | 261.53                   | 2.206                     |           |
| 18,900.00                                                                            | 12,108.07                    | 18,749.38                    | 11,951.06                    | 135.94                  | 138.14               | 74.21                         | 6,799.48            | -385.06             | 576.96                        | 312.70                         | 264.25                   | 2.183                     |           |
| 18,923.31                                                                            | 12,108.23                    | 18,772.69                    | 11,951.23                    | 136.37                  | 138.57               | 74.21                         | 6,822.79            | -385.25             | 576.96                        | 311.88                         | 265.08                   | 2.177                     |           |
| 19,000.00                                                                            | 12,108.77                    | 18,849.38                    | 11,951.77                    | 137.78                  | 139.96               | 74.21                         | 6,899.47            | -385.85             | 576.97                        | 309.16                         | 267.81                   | 2.154                     |           |
| 19,023.31                                                                            | 12,108.94                    | 18,872.69                    | 11,951.93                    | 138.21                  | 140.38               | 74.21                         | 6,922.78            | -386.04             | 576.97                        | 308.33                         | 268.64                   | 2.148                     |           |
| 19,100.00                                                                            | 12,109.48                    | 18,949.38                    | 11,952.48                    | 139.63                  | 141.78               | 74.21                         | 6,999.47            | -386.65             | 576.98                        | 305.61                         | 271.36                   | 2.126                     |           |
| 19,123.31                                                                            | 12,109.64                    | 18,972.69                    | 11,952.64                    | 140.06                  | 142.20               | 74.21                         | 7,022.77            | -386.83             | 576.98                        | 304.78                         | 272.19                   | 2.120                     |           |
| 19,200.00                                                                            | 12,110.19                    | 19,049.38                    | 11,953.18                    | 141.47                  | 143.60               | 74.21                         | 7,099.46            | -387.44             | 576.98                        | 302.06                         | 274.92                   | 2.099                     |           |

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

## Legacy Directional Drilling Anticollision Report

|                           |                                |                                     |                                  |
|---------------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Matador Resources Company      | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Project:</b>           | Lea County, New Mexico (NAD27) | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Reference Site:</b>    | Nina Cortell Fed Com           | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | ST01                           | <b>Database:</b>                    | EDM5000                          |
| <b>Reference Design:</b>  | Pan 3                          | <b>Offset TVD Reference:</b>        | Offset Datum                     |

|                                                                                      |                              |                              |                              |                         |                      |                              |                     |                     |                               |                                |                                  |                          |                                     |
|--------------------------------------------------------------------------------------|------------------------------|------------------------------|------------------------------|-------------------------|----------------------|------------------------------|---------------------|---------------------|-------------------------------|--------------------------------|----------------------------------|--------------------------|-------------------------------------|
| <b>Offset Design:</b> Nina Cortell Fed Com - Nina Cortell Fed Com 133H - OH - Plan 2 |                              |                              |                              |                         |                      |                              |                     |                     |                               |                                |                                  |                          | <b>Offset Site Error:</b> 0.00 usft |
| <b>Survey Program:</b> 0-MWD+IGRF                                                    |                              |                              |                              |                         |                      |                              |                     |                     |                               |                                |                                  |                          | <b>Offset Well Error:</b> 0.00 usft |
| <b>Reference</b>                                                                     | <b>Offset</b>                | <b>Semi Major Axis</b>       |                              | <b>Distance</b>         |                      | <b>Rule Assigned:</b>        |                     | <b>Warning</b>      |                               |                                |                                  |                          |                                     |
| <b>Measured Depth (usft)</b>                                                         | <b>Vertical Depth (usft)</b> | <b>Measured Depth (usft)</b> | <b>Vertical Depth (usft)</b> | <b>Reference (usft)</b> | <b>Offset (usft)</b> | <b>Highside Toolface (°)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Between Centres (usft)</b> | <b>Between Ellipses (usft)</b> | <b>Minimum Separation (usft)</b> | <b>Separation Factor</b> |                                     |
| 19,223.31                                                                            | 12,110.35                    | 19,072.69                    | 11,953.35                    | 141.91                  | 144.03               | 74.21                        | 7,122.77            | -387.62             | 576.99                        | 301.23                         | 275.75                           | 2.092                    |                                     |
| 19,300.00                                                                            | 12,110.89                    | 19,149.38                    | 11,953.89                    | 143.32                  | 145.42               | 74.21                        | 7,199.46            | -388.23             | 576.99                        | 298.50                         | 278.49                           | 2.072                    |                                     |
| 19,323.31                                                                            | 12,111.06                    | 19,172.69                    | 11,954.05                    | 143.75                  | 145.85               | 74.21                        | 7,222.76            | -388.42             | 576.99                        | 297.67                         | 279.32                           | 2.066                    |                                     |
| 19,400.00                                                                            | 12,111.60                    | 19,249.38                    | 11,954.60                    | 145.17                  | 147.25               | 74.21                        | 7,299.45            | -389.03             | 577.00                        | 294.94                         | 282.06                           | 2.046                    |                                     |
| 19,423.31                                                                            | 12,111.76                    | 19,272.69                    | 11,954.76                    | 145.60                  | 147.68               | 74.21                        | 7,322.76            | -389.21             | 577.00                        | 294.11                         | 282.89                           | 2.040                    |                                     |
| 19,500.00                                                                            | 12,112.30                    | 19,349.38                    | 11,955.30                    | 147.02                  | 149.08               | 74.21                        | 7,399.44            | -389.82             | 577.01                        | 291.38                         | 285.63                           | 2.020                    |                                     |
| 19,523.31                                                                            | 12,112.47                    | 19,372.68                    | 11,955.47                    | 147.46                  | 149.51               | 74.21                        | 7,422.75            | -390.00             | 577.01                        | 290.55                         | 286.46                           | 2.014                    |                                     |
| 19,600.00                                                                            | 12,113.01                    | 19,449.30                    | 11,956.01                    | 148.88                  | 150.91               | 74.21                        | 7,499.36            | -390.61             | 577.01                        | 287.82                         | 289.20                           | 1.995                    |                                     |
| 19,679.07                                                                            | 12,112.93                    | 19,527.32                    | 11,956.07                    | 150.34                  | 152.33               | 74.22                        | 7,577.38            | -391.23             | 576.98                        | 284.99                         | 291.99                           | 1.976                    |                                     |
| 19,700.00                                                                            | 12,112.28                    | 19,548.25                    | 11,956.07                    | 150.73                  | 152.72               | 74.29                        | 7,598.31            | -391.40             | 576.81                        | 283.99                         | 292.82                           | 1.970                    |                                     |
| 19,779.27                                                                            | 12,111.28                    | 19,627.52                    | 11,956.06                    | 152.20                  | 154.17               | 74.38                        | 7,677.57            | -392.02             | 576.55                        | 280.78                         | 295.77                           | 1.949                    |                                     |
| 19,800.00                                                                            | 12,111.02                    | 19,648.25                    | 11,956.06                    | 152.59                  | 154.55               | 74.41                        | 7,698.30            | -392.19             | 576.48                        | 279.94                         | 296.54                           | 1.944                    |                                     |
| 19,879.27                                                                            | 12,110.02                    | 19,727.51                    | 11,956.05                    | 154.06                  | 156.01               | 74.50                        | 7,777.56            | -392.82             | 576.22                        | 276.72                         | 299.50                           | 1.924                    |                                     |
| 19,900.00                                                                            | 12,109.76                    | 19,748.24                    | 11,956.05                    | 154.45                  | 156.39               | 74.53                        | 7,798.29            | -392.98             | 576.15                        | 275.88                         | 300.27                           | 1.919                    |                                     |
| 19,979.27                                                                            | 12,108.76                    | 19,827.50                    | 11,956.05                    | 155.92                  | 157.84               | 74.62                        | 7,877.55            | -393.61             | 575.89                        | 272.66                         | 303.24                           | 1.899                    |                                     |
| 20,000.00                                                                            | 12,108.50                    | 19,848.23                    | 11,956.04                    | 156.31                  | 158.22               | 74.65                        | 7,898.28            | -393.77             | 575.83                        | 271.81                         | 304.01                           | 1.894                    |                                     |
| 20,079.27                                                                            | 12,107.50                    | 19,927.50                    | 11,956.04                    | 157.78                  | 159.68               | 74.74                        | 7,977.54            | -394.40             | 575.57                        | 268.59                         | 306.98                           | 1.875                    |                                     |
| 20,100.00                                                                            | 12,107.24                    | 19,948.22                    | 11,956.04                    | 158.17                  | 160.06               | 74.77                        | 7,998.27            | -394.57             | 575.51                        | 267.75                         | 307.76                           | 1.870                    |                                     |
| 20,179.28                                                                            | 12,106.25                    | 20,027.49                    | 11,956.03                    | 159.64                  | 161.52               | 74.86                        | 8,077.53            | -395.20             | 575.25                        | 264.52                         | 310.73                           | 1.851                    |                                     |
| 20,200.00                                                                            | 12,105.98                    | 20,048.21                    | 11,956.03                    | 160.03                  | 161.90               | 74.89                        | 8,098.25            | -395.36             | 575.19                        | 263.68                         | 311.51                           | 1.846                    |                                     |
| 20,279.28                                                                            | 12,104.99                    | 20,127.48                    | 11,956.02                    | 161.51                  | 163.37               | 74.98                        | 8,177.52            | -395.99             | 574.93                        | 260.45                         | 314.48                           | 1.828                    |                                     |
| 20,300.00                                                                            | 12,104.73                    | 20,148.21                    | 11,956.02                    | 161.89                  | 163.75               | 75.01                        | 8,198.24            | -396.15             | 574.87                        | 259.61                         | 315.26                           | 1.823                    |                                     |
| 20,379.28                                                                            | 12,103.73                    | 20,227.48                    | 11,956.02                    | 163.37                  | 165.21               | 75.11                        | 8,277.51            | -396.78             | 574.62                        | 256.38                         | 318.24                           | 1.806                    |                                     |
| 20,400.00                                                                            | 12,103.47                    | 20,248.20                    | 11,956.01                    | 163.76                  | 165.59               | 75.13                        | 8,298.23            | -396.95             | 574.55                        | 255.53                         | 319.02                           | 1.801                    |                                     |
| 20,479.28                                                                            | 12,102.47                    | 20,327.47                    | 11,956.01                    | 165.24                  | 167.05               | 75.23                        | 8,377.50            | -397.58             | 574.31                        | 252.30                         | 322.00                           | 1.784                    |                                     |
| 20,500.00                                                                            | 12,102.21                    | 20,348.19                    | 11,956.01                    | 165.62                  | 167.44               | 75.25                        | 8,398.22            | -397.74             | 574.24                        | 251.46                         | 322.78                           | 1.779                    |                                     |
| 20,579.26                                                                            | 12,101.21                    | 20,427.44                    | 11,956.00                    | 167.10                  | 168.90               | 75.35                        | 8,477.47            | -398.37             | 574.00                        | 248.23                         | 325.77                           | 1.762                    |                                     |
| 20,600.00                                                                            | 12,100.95                    | 20,447.87                    | 11,956.00                    | 167.49                  | 169.28               | 75.37                        | 8,497.90            | -398.53             | 573.93                        | 247.40                         | 326.54                           | 1.758                    |                                     |
| 20,636.45                                                                            | 12,100.49                    | 20,482.87                    | 11,955.78                    | 168.17                  | 169.92               | 75.39                        | 8,532.89            | -398.81             | 573.88                        | 246.06                         | 327.82                           | 1.751                    |                                     |
| 20,700.00                                                                            | 12,099.69                    | 20,545.16                    | 11,954.59                    | 169.36                  | 171.08               | 75.35                        | 8,595.17            | -399.30             | 573.99                        | 243.98                         | 330.01                           | 1.739                    |                                     |
| 20,723.03                                                                            | 12,099.40                    | 20,568.19                    | 11,954.10                    | 169.79                  | 171.50               | 75.34                        | 8,618.19            | -399.48             | 574.04                        | 243.22                         | 330.82                           | 1.735                    |                                     |
| 20,800.00                                                                            | 12,098.43                    | 20,645.16                    | 11,952.49                    | 171.23                  | 172.93               | 75.27                        | 8,695.15            | -400.10             | 574.21                        | 240.68                         | 333.53                           | 1.722                    |                                     |
| 20,823.03                                                                            | 12,098.14                    | 20,668.18                    | 11,952.01                    | 171.66                  | 173.36               | 75.25                        | 8,718.17            | -400.28             | 574.26                        | 239.92                         | 334.34                           | 1.718                    |                                     |
| 20,900.00                                                                            | 12,097.17                    | 20,745.15                    | 11,950.39                    | 173.10                  | 174.78               | 75.19                        | 8,795.12            | -400.89             | 574.43                        | 237.37                         | 337.05                           | 1.704                    |                                     |
| 20,923.03                                                                            | 12,096.88                    | 20,768.18                    | 11,949.91                    | 173.53                  | 175.21               | 75.17                        | 8,818.14            | -401.07             | 574.48                        | 236.61                         | 337.86                           | 1.700                    |                                     |
| 21,000.00                                                                            | 12,095.91                    | 20,845.15                    | 11,948.30                    | 174.97                  | 176.64               | 75.11                        | 8,895.09            | -401.68             | 574.65                        | 234.08                         | 340.57                           | 1.687                    |                                     |
| 21,023.03                                                                            | 12,095.62                    | 20,868.18                    | 11,947.82                    | 175.40                  | 177.06               | 75.09                        | 8,918.11            | -401.87             | 574.70                        | 233.32                         | 341.38                           | 1.683                    |                                     |
| 21,100.00                                                                            | 12,094.66                    | 20,945.15                    | 11,946.20                    | 176.84                  | 178.49               | 75.03                        | 8,995.06            | -402.48             | 574.87                        | 230.78                         | 344.09                           | 1.671                    |                                     |
| 21,123.03                                                                            | 12,094.37                    | 20,968.17                    | 11,945.72                    | 177.27                  | 178.92               | 75.01                        | 9,018.08            | -402.66             | 574.92                        | 230.02                         | 344.90                           | 1.667                    |                                     |
| 21,200.00                                                                            | 12,093.40                    | 21,045.14                    | 11,944.11                    | 178.71                  | 180.35               | 74.95                        | 9,095.03            | -403.27             | 575.10                        | 227.48                         | 347.61                           | 1.654                    |                                     |
| 21,223.03                                                                            | 12,093.11                    | 21,068.17                    | 11,943.62                    | 179.14                  | 180.78               | 74.93                        | 9,118.05            | -403.45             | 575.15                        | 226.72                         | 348.42                           | 1.651                    |                                     |
| 21,300.00                                                                            | 12,092.14                    | 21,145.14                    | 11,942.01                    | 180.58                  | 182.21               | 74.87                        | 9,195.00            | -404.06             | 575.32                        | 224.19                         | 351.13                           | 1.638                    |                                     |
| 21,323.03                                                                            | 12,091.85                    | 21,168.17                    | 11,941.53                    | 181.01                  | 182.64               | 74.85                        | 9,218.02            | -404.25             | 575.37                        | 223.43                         | 351.94                           | 1.635                    |                                     |
| 21,400.00                                                                            | 12,090.88                    | 21,245.14                    | 11,939.92                    | 182.46                  | 184.07               | 74.79                        | 9,294.97            | -404.86             | 575.55                        | 220.90                         | 354.65                           | 1.623                    |                                     |
| 21,423.03                                                                            | 12,090.59                    | 21,268.16                    | 11,939.43                    | 182.89                  | 184.50               | 74.77                        | 9,318.00            | -405.04             | 575.60                        | 220.14                         | 355.46                           | 1.619                    |                                     |
| 21,500.00                                                                            | 12,089.62                    | 21,345.13                    | 11,937.82                    | 184.33                  | 185.93               | 74.71                        | 9,394.94            | -405.65             | 575.77                        | 217.61                         | 358.17                           | 1.608                    |                                     |
| 21,523.03                                                                            | 12,089.33                    | 21,368.16                    | 11,937.34                    | 184.76                  | 186.36               | 74.69                        | 9,417.97            | -405.84             | 575.83                        | 216.85                         | 358.98                           | 1.604                    |                                     |
| 21,600.00                                                                            | 12,088.36                    | 21,445.13                    | 11,935.72                    | 186.21                  | 187.79               | 74.63                        | 9,494.92            | -406.45             | 576.00                        | 214.32                         | 361.68                           | 1.593                    |                                     |
| 21,623.03                                                                            | 12,088.07                    | 21,468.16                    | 11,935.24                    | 186.64                  | 188.22               | 74.61                        | 9,517.94            | -406.63             | 576.06                        | 213.56                         | 362.49                           | 1.589                    |                                     |
| 21,700.00                                                                            | 12,087.10                    | 21,545.13                    | 11,933.63                    | 188.08                  | 189.65               | 74.55                        | 9,594.89            | -407.24             | 576.23                        | 211.04                         | 365.20                           | 1.578                    |                                     |
| 21,723.03                                                                            | 12,086.81                    | 21,568.16                    | 11,933.15                    | 188.52                  | 190.08               | 74.53                        | 9,617.91            | -407.42             | 576.29                        | 210.28                         | 366.01                           | 1.575                    |                                     |
| 21,800.00                                                                            | 12,085.84                    | 21,645.12                    | 11,931.53                    | 189.96                  | 191.52               | 74.47                        | 9,694.86            | -408.03             | 576.46                        | 207.75                         | 368.71                           | 1.563                    |                                     |

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

## Legacy Directional Drilling

## Anticollision Report

|                           |                                |                                     |                                  |
|---------------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Matador Resources Company      | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Project:</b>           | Lea County, New Mexico (NAD27) | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Reference Site:</b>    | Nina Cortell Fed Com           | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | ST01                           | <b>Database:</b>                    | EDM5000                          |
| <b>Reference Design:</b>  | Pan 3                          | <b>Offset TVD Reference:</b>        | Offset Datum                     |

|                                                                                      |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                          |                                     |
|--------------------------------------------------------------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------|--------------------------|----------------------------------|-------------------------------|-------------------------|-----------------------------------|------------------------------------|--------------------------------------|--------------------------|-------------------------------------|
| <b>Offset Design:</b> Nina Cortell Fed Com - Nina Cortell Fed Com 133H - OH - Plan 2 |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                          | <b>Offset Site Error:</b> 0.00 usft |
| <b>Survey Program:</b> 0-MWD+IGRF                                                    |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                          | <b>Offset Well Error:</b> 0.00 usft |
| <b>Reference</b>                                                                     |                                  | <b>Offset</b>                    |                                  | <b>Semi Major Axis</b>      |                          | <b>Highside Toolface<br/>(°)</b> | <b>Offset Wellbore Centre</b> |                         | <b>Rule Assigned:</b>             |                                    |                                      |                          | <b>Warning</b>                      |
| <b>Measured Depth<br/>(usft)</b>                                                     | <b>Vertical Depth<br/>(usft)</b> | <b>Measured Depth<br/>(usft)</b> | <b>Vertical Depth<br/>(usft)</b> | <b>Reference<br/>(usft)</b> | <b>Offset<br/>(usft)</b> |                                  | <b>+N/-S<br/>(usft)</b>       | <b>+E/-W<br/>(usft)</b> | <b>Between Centres<br/>(usft)</b> | <b>Between Ellipses<br/>(usft)</b> | <b>Minimum Separation<br/>(usft)</b> | <b>Separation Factor</b> |                                     |
| 21,823.03                                                                            | 12,085.55                        | 21,668.15                        | 11,931.05                        | 190.39                      | 191.94                   | 74.45                            | 9,717.88                      | -408.22                 | 576.52                            | 207.00                             | 369.52                               | 1.560                    |                                     |
| 21,900.00                                                                            | 12,084.58                        | 21,745.12                        | 11,929.44                        | 191.84                      | 193.38                   | 74.39                            | 9,794.83                      | -408.83                 | 576.70                            | 204.47                             | 372.22                               | 1.549                    |                                     |
| 21,923.03                                                                            | 12,084.29                        | 21,768.15                        | 11,928.95                        | 192.27                      | 193.81                   | 74.37                            | 9,817.85                      | -409.01                 | 576.75                            | 203.72                             | 373.03                               | 1.546                    |                                     |
| 22,000.00                                                                            | 12,083.33                        | 21,845.12                        | 11,927.34                        | 193.72                      | 195.25                   | 74.31                            | 9,894.80                      | -409.62                 | 576.93                            | 201.20                             | 375.73                               | 1.535                    |                                     |
| 22,023.03                                                                            | 12,083.04                        | 21,868.15                        | 11,926.86                        | 194.15                      | 195.68                   | 74.29                            | 9,917.83                      | -409.80                 | 576.98                            | 200.44                             | 376.54                               | 1.532                    |                                     |
| 22,100.00                                                                            | 12,082.07                        | 21,945.11                        | 11,925.25                        | 195.60                      | 197.11                   | 74.23                            | 9,994.77                      | -410.41                 | 577.16                            | 197.92                             | 379.24                               | 1.522                    |                                     |
| 22,123.03                                                                            | 12,081.78                        | 21,968.14                        | 11,924.76                        | 196.03                      | 197.54                   | 74.21                            | 10,017.80                     | -410.60                 | 577.22                            | 197.17                             | 380.05                               | 1.519                    |                                     |
| 22,200.00                                                                            | 12,080.81                        | 22,045.11                        | 11,923.15                        | 197.48                      | 198.98                   | 74.15                            | 10,094.74                     | -411.21                 | 577.40                            | 194.65                             | 382.75                               | 1.509                    |                                     |
| 22,221.79                                                                            | 12,080.53                        | 22,066.89                        | 11,922.69                        | 197.89                      | 199.39                   | 74.13                            | 10,116.53                     | -411.38                 | 577.45                            | 193.93                             | 383.51                               | 1.506                    |                                     |
| 22,294.38                                                                            | 12,079.62                        | 22,139.49                        | 11,921.17                        | 199.25                      | 200.74                   | 74.08                            | 10,189.10                     | -411.96                 | 577.62                            | 191.56                             | 386.06                               | 1.496                    | Level 3, SF                         |

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

## Legacy Directional Drilling

### Anticollision Report

|                           |                                |                                     |                                  |
|---------------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Matador Resources Company      | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Project:</b>           | Lea County, New Mexico (NAD27) | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Reference Site:</b>    | Nina Cortell Fed Com           | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | ST01                           | <b>Database:</b>                    | EDM5000                          |
| <b>Reference Design:</b>  | Pan 3                          | <b>Offset TVD Reference:</b>        | Offset Datum                     |

|                                                                                      |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                           |                |
|--------------------------------------------------------------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------|--------------------------|----------------------------------|-------------------------------|-------------------------|-----------------------------------|------------------------------------|--------------------------------------|---------------------------|----------------|
| <b>Offset Design:</b> Nina Cortell Fed Com - Nina Cortell Fed Com 134H - OH - Plan 2 |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      | <b>Offset Site Error:</b> | 0.00 usft      |
| <b>Survey Program:</b> 0-MWD+IGRF                                                    |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      | <b>Offset Well Error:</b> | 0.00 usft      |
| <b>Reference</b>                                                                     |                                  | <b>Offset</b>                    |                                  | <b>Semi Major Axis</b>      |                          | <b>Highside Toolface<br/>(°)</b> | <b>Offset Wellbore Centre</b> |                         | <b>Distance</b>                   |                                    | <b>Minimum Separation<br/>(usft)</b> | <b>Separation Factor</b>  | <b>Warning</b> |
| <b>Measured Depth<br/>(usft)</b>                                                     | <b>Vertical Depth<br/>(usft)</b> | <b>Measured Depth<br/>(usft)</b> | <b>Vertical Depth<br/>(usft)</b> | <b>Reference<br/>(usft)</b> | <b>Offset<br/>(usft)</b> |                                  | <b>+N/-S<br/>(usft)</b>       | <b>+E/-W<br/>(usft)</b> | <b>Between Centres<br/>(usft)</b> | <b>Between Ellipses<br/>(usft)</b> |                                      |                           |                |
| 0.00                                                                                 | 0.00                             | 0.00                             | 0.00                             | 0.00                        | 0.00                     | 44.06                            | 31.00                         | 30.00                   | 43.14                             |                                    |                                      |                           |                |
| 100.00                                                                               | 100.00                           | 100.00                           | 100.00                           | 0.60                        | 0.50                     | -34.12                           | 31.00                         | 30.00                   | 42.94                             | 42.27                              | 0.67                                 | 63.750                    |                |
| 200.00                                                                               | 200.00                           | 200.00                           | 200.00                           | 1.43                        | 1.05                     | -34.66                           | 31.00                         | 30.00                   | 42.35                             | 40.91                              | 1.44                                 | 29.310                    |                |
| 300.00                                                                               | 299.99                           | 299.99                           | 299.99                           | 1.95                        | 1.55                     | -47.00                           | 31.00                         | 30.00                   | 41.49                             | 39.26                              | 2.23                                 | 18.572                    |                |
| 400.00                                                                               | 399.98                           | 399.98                           | 399.98                           | 2.23                        | 1.98                     | -63.42                           | 31.00                         | 30.00                   | 40.75                             | 37.74                              | 3.01                                 | 13.548                    |                |
| 500.00                                                                               | 499.98                           | 499.98                           | 499.98                           | 2.50                        | 2.40                     | -71.47                           | 31.00                         | 30.00                   | 40.34                             | 36.55                              | 3.79                                 | 10.631                    |                |
| 544.07                                                                               | 544.04                           | 544.04                           | 544.04                           | 2.59                        | 2.57                     | -90.00                           | 31.00                         | 30.00                   | 40.29                             | 36.14                              | 4.16                                 | 9.692 CC                  |                |
| 600.00                                                                               | 599.98                           | 599.98                           | 599.98                           | 2.71                        | 2.79                     | -169.81                          | 31.00                         | 30.00                   | 40.35                             | 35.75                              | 4.60                                 | 8.766                     |                |
| 700.00                                                                               | 699.97                           | 699.97                           | 699.97                           | 2.97                        | 3.18                     | 173.01                           | 31.00                         | 30.00                   | 41.00                             | 35.62                              | 5.38                                 | 7.615 ES                  |                |
| 800.00                                                                               | 799.97                           | 799.97                           | 799.97                           | 3.28                        | 3.56                     | 164.63                           | 31.00                         | 30.00                   | 42.05                             | 35.93                              | 6.12                                 | 6.872                     |                |
| 900.00                                                                               | 899.96                           | 899.96                           | 899.96                           | 3.61                        | 3.94                     | 161.53                           | 31.00                         | 30.00                   | 43.27                             | 36.43                              | 6.85                                 | 6.322                     |                |
| 1,000.00                                                                             | 999.95                           | 999.95                           | 999.95                           | 3.93                        | 4.32                     | 158.74                           | 31.00                         | 30.00                   | 44.31                             | 36.74                              | 7.57                                 | 5.851                     |                |
| 1,100.00                                                                             | 1,099.95                         | 1,099.57                         | 1,099.57                         | 4.23                        | 4.61                     | 103.18                           | 30.81                         | 30.84                   | 45.21                             | 36.96                              | 8.24                                 | 5.484                     |                |
| 1,200.00                                                                             | 1,199.91                         | 1,199.02                         | 1,198.98                         | 4.91                        | 4.90                     | 120.32                           | 30.25                         | 33.37                   | 47.60                             | 38.71                              | 8.89                                 | 5.353                     |                |
| 1,300.00                                                                             | 1,299.60                         | 1,297.71                         | 1,297.58                         | 6.12                        | 5.20                     | 141.02                           | 29.32                         | 37.55                   | 55.62                             | 45.92                              | 9.70                                 | 5.732                     |                |
| 1,400.00                                                                             | 1,399.03                         | 1,395.51                         | 1,395.20                         | 6.64                        | 5.50                     | 148.13                           | 28.03                         | 43.32                   | 68.90                             | 58.30                              | 10.60                                | 6.499                     |                |
| 1,500.00                                                                             | 1,498.48                         | 1,492.75                         | 1,492.14                         | 6.92                        | 5.81                     | 157.25                           | 26.39                         | 50.67                   | 84.74                             | 73.37                              | 11.37                                | 7.450                     |                |
| 1,600.00                                                                             | 1,597.95                         | 1,589.42                         | 1,588.38                         | 7.22                        | 6.14                     | 163.84                           | 24.41                         | 59.56                   | 102.77                            | 90.67                              | 12.10                                | 8.494                     |                |
| 1,700.00                                                                             | 1,697.46                         | 1,685.49                         | 1,683.85                         | 7.54                        | 6.47                     | 174.38                           | 22.08                         | 69.97                   | 122.55                            | 109.75                             | 12.80                                | 9.577                     |                |
| 1,800.00                                                                             | 1,797.03                         | 1,781.08                         | 1,778.66                         | 7.92                        | 6.82                     | -174.22                          | 19.43                         | 81.88                   | 143.63                            | 130.16                             | 13.47                                | 10.665                    |                |
| 1,900.00                                                                             | 1,896.62                         | 1,877.53                         | 1,874.14                         | 8.26                        | 7.17                     | -171.73                          | 16.46                         | 95.20                   | 165.77                            | 151.63                             | 14.14                                | 11.722                    |                |
| 2,000.00                                                                             | 1,996.27                         | 1,975.08                         | 1,970.69                         | 8.58                        | 7.55                     | -169.20                          | 13.42                         | 108.82                  | 187.54                            | 172.71                             | 14.83                                | 12.644                    |                |
| 2,100.00                                                                             | 2,095.92                         | 2,072.68                         | 2,067.29                         | 8.91                        | 7.94                     | -164.73                          | 10.38                         | 122.44                  | 209.20                            | 193.67                             | 15.52                                | 13.475                    |                |
| 2,200.00                                                                             | 2,195.48                         | 2,170.10                         | 2,163.70                         | 9.24                        | 8.34                     | -162.48                          | 7.35                          | 136.04                  | 231.74                            | 215.53                             | 16.22                                | 14.291                    |                |
| 2,300.00                                                                             | 2,295.04                         | 2,267.54                         | 2,260.15                         | 9.58                        | 8.74                     | -159.39                          | 4.31                          | 149.65                  | 254.17                            | 237.26                             | 16.91                                | 15.032                    |                |
| 2,400.00                                                                             | 2,394.64                         | 2,365.10                         | 2,356.70                         | 9.92                        | 9.14                     | -157.02                          | 1.27                          | 163.26                  | 276.12                            | 258.51                             | 17.60                                | 15.685                    |                |
| 2,500.00                                                                             | 2,494.30                         | 2,462.85                         | 2,453.44                         | 10.26                       | 9.55                     | -154.70                          | -1.77                         | 176.91                  | 297.22                            | 278.92                             | 18.30                                | 16.239                    |                |
| 2,600.00                                                                             | 2,594.03                         | 2,560.77                         | 2,550.36                         | 10.60                       | 9.97                     | -151.39                          | -4.82                         | 190.58                  | 317.50                            | 298.49                             | 19.01                                | 16.706                    |                |
| 2,700.00                                                                             | 2,693.69                         | 2,658.50                         | 2,647.09                         | 10.95                       | 10.38                    | -159.20                          | -7.86                         | 204.22                  | 338.65                            | 318.90                             | 19.75                                | 17.151                    |                |
| 2,800.00                                                                             | 2,793.29                         | 2,756.08                         | 2,743.66                         | 11.32                       | 10.79                    | -153.54                          | -10.90                        | 217.84                  | 360.51                            | 340.03                             | 20.48                                | 17.601                    |                |
| 2,900.00                                                                             | 2,892.94                         | 2,853.88                         | 2,840.45                         | 11.67                       | 11.21                    | -144.81                          | -13.95                        | 231.49                  | 381.38                            | 360.19                             | 21.19                                | 18.001                    |                |
| 3,000.00                                                                             | 2,992.67                         | 2,951.98                         | 2,937.55                         | 12.02                       | 11.63                    | -142.16                          | -17.00                        | 245.19                  | 400.74                            | 378.85                             | 21.90                                | 18.303                    |                |
| 3,100.00                                                                             | 3,092.51                         | 3,050.19                         | 3,034.75                         | 12.38                       | 12.05                    | -163.69                          | -20.06                        | 258.90                  | 419.52                            | 396.91                             | 22.61                                | 18.551                    |                |
| 3,200.00                                                                             | 3,192.31                         | 3,148.17                         | 3,131.72                         | 12.75                       | 12.48                    | -172.89                          | -23.11                        | 272.57                  | 439.36                            | 416.03                             | 23.33                                | 18.832                    |                |
| 3,300.00                                                                             | 3,292.16                         | 3,246.23                         | 3,228.78                         | 13.10                       | 12.90                    | 173.84                           | -26.16                        | 286.26                  | 458.64                            | 434.60                             | 24.03                                | 19.082                    |                |
| 3,400.00                                                                             | 3,391.99                         | 3,344.22                         | 3,325.75                         | 13.47                       | 13.32                    | 156.83                           | -29.21                        | 299.94                  | 477.89                            | 453.15                             | 24.74                                | 19.317                    |                |
| 3,500.00                                                                             | 3,491.75                         | 3,441.98                         | 3,422.51                         | 13.78                       | 13.75                    | 156.73                           | -32.26                        | 313.59                  | 497.97                            | 472.57                             | 25.39                                | 19.612                    |                |
| 3,600.00                                                                             | 3,591.70                         | 3,540.50                         | 3,520.02                         | 13.81                       | 14.18                    | 157.34                           | -35.32                        | 327.34                  | 514.51                            | 488.72                             | 25.79                                | 19.952                    |                |
| 3,700.00                                                                             | 3,691.70                         | 3,639.33                         | 3,617.83                         | 13.85                       | 14.61                    | 157.79                           | -38.40                        | 341.13                  | 529.35                            | 503.16                             | 26.19                                | 20.215                    |                |
| 3,800.00                                                                             | 3,791.70                         | 3,738.30                         | 3,715.79                         | 13.90                       | 15.04                    | 90.11                            | -41.48                        | 354.95                  | 543.32                            | 516.72                             | 26.59                                | 20.430                    |                |
| 3,900.00                                                                             | 3,891.70                         | 3,837.27                         | 3,813.74                         | 13.95                       | 15.47                    | 90.43                            | -44.57                        | 368.76                  | 557.30                            | 530.28                             | 27.01                                | 20.631                    |                |
| 4,000.00                                                                             | 3,991.70                         | 3,936.25                         | 3,911.69                         | 14.02                       | 15.90                    | 90.73                            | -47.65                        | 382.58                  | 571.29                            | 543.85                             | 27.44                                | 20.819                    |                |
| 4,100.00                                                                             | 4,091.70                         | 4,035.22                         | 4,009.65                         | 14.09                       | 16.33                    | 91.02                            | -50.73                        | 396.39                  | 585.30                            | 557.42                             | 27.88                                | 20.995                    |                |
| 4,200.00                                                                             | 4,191.70                         | 4,134.19                         | 4,107.60                         | 14.18                       | 16.77                    | 91.29                            | -53.81                        | 410.21                  | 599.33                            | 571.00                             | 28.32                                | 21.159                    |                |
| 4,300.00                                                                             | 4,291.70                         | 4,233.16                         | 4,205.56                         | 14.27                       | 17.20                    | 91.55                            | -56.89                        | 424.03                  | 613.36                            | 584.58                             | 28.78                                | 21.312                    |                |
| 4,400.00                                                                             | 4,391.70                         | 4,332.13                         | 4,303.51                         | 14.37                       | 17.64                    | 91.80                            | -59.97                        | 437.84                  | 627.41                            | 598.17                             | 29.25                                | 21.453                    |                |
| 4,500.00                                                                             | 4,491.70                         | 4,431.11                         | 4,401.47                         | 14.48                       | 18.07                    | 92.04                            | -63.06                        | 451.66                  | 641.47                            | 611.75                             | 29.72                                | 21.585                    |                |
| 4,600.00                                                                             | 4,591.70                         | 4,530.08                         | 4,499.42                         | 14.60                       | 18.51                    | 92.27                            | -66.14                        | 465.47                  | 655.54                            | 625.34                             | 30.20                                | 21.706                    |                |
| 4,700.00                                                                             | 4,691.70                         | 4,629.05                         | 4,597.38                         | 14.73                       | 18.94                    | 92.49                            | -69.22                        | 479.29                  | 669.62                            | 638.93                             | 30.69                                | 21.818                    |                |
| 4,800.00                                                                             | 4,791.70                         | 4,728.02                         | 4,695.33                         | 14.86                       | 19.38                    | 92.70                            | -72.30                        | 493.10                  | 683.71                            | 652.53                             | 31.19                                | 21.921                    |                |
| 4,900.00                                                                             | 4,891.70                         | 4,826.99                         | 4,793.29                         | 15.00                       | 19.81                    | 92.90                            | -75.38                        | 506.92                  | 697.81                            | 666.12                             | 31.70                                | 22.016                    |                |
| 5,000.00                                                                             | 4,991.70                         | 4,925.97                         | 4,891.24                         | 15.15                       | 20.25                    | 93.09                            | -78.46                        | 520.73                  | 711.92                            | 679.71                             | 32.21                                | 22.103                    |                |

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

## Legacy Directional Drilling

### Anticollision Report

|                           |                                |                                     |                                  |
|---------------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Matador Resources Company      | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Project:</b>           | Lea County, New Mexico (NAD27) | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Reference Site:</b>    | Nina Cortell Fed Com           | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | ST01                           | <b>Database:</b>                    | EDM5000                          |
| <b>Reference Design:</b>  | Pan 3                          | <b>Offset TVD Reference:</b>        | Offset Datum                     |

|                                                                                      |                              |                              |                              |                         |                      |                               |                     |                     |                               |                                |                          |                           |           |
|--------------------------------------------------------------------------------------|------------------------------|------------------------------|------------------------------|-------------------------|----------------------|-------------------------------|---------------------|---------------------|-------------------------------|--------------------------------|--------------------------|---------------------------|-----------|
| <b>Offset Design:</b> Nina Cortell Fed Com - Nina Cortell Fed Com 134H - OH - Plan 2 |                              |                              |                              |                         |                      |                               |                     |                     |                               |                                |                          | <b>Offset Site Error:</b> | 0.00 usft |
| <b>Survey Program:</b> 0-MWD+IGRF                                                    |                              |                              |                              |                         |                      |                               |                     |                     |                               |                                |                          | <b>Offset Well Error:</b> | 0.00 usft |
| <b>Reference</b>                                                                     | <b>Offset</b>                | <b>Semi Major Axis</b>       |                              | <b>Highside</b>         |                      | <b>Offset Wellbore Centre</b> |                     | <b>Distance</b>     |                               | <b>Minimum</b>                 | <b>Separation</b>        | <b>Warning</b>            |           |
| <b>Measured Depth (usft)</b>                                                         | <b>Vertical Depth (usft)</b> | <b>Measured Depth (usft)</b> | <b>Vertical Depth (usft)</b> | <b>Reference (usft)</b> | <b>Offset (usft)</b> | <b>Toolface (°)</b>           | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Between Centres (usft)</b> | <b>Between Ellipses (usft)</b> | <b>Separation (usft)</b> |                           |           |
| 5,100.00                                                                             | 5,091.70                     | 5,024.94                     | 4,989.19                     | 15.30                   | 20.69                | 93.28                         | -81.55              | 534.55              | 726.03                        | 693.30                         | 32.73                    | 22.182                    |           |
| 5,200.00                                                                             | 5,191.70                     | 5,123.91                     | 5,087.15                     | 15.47                   | 21.12                | 93.46                         | -84.63              | 548.37              | 740.16                        | 706.90                         | 33.26                    | 22.255                    |           |
| 5,300.00                                                                             | 5,291.70                     | 5,222.88                     | 5,185.10                     | 15.63                   | 21.56                | 93.63                         | -87.71              | 562.18              | 754.28                        | 720.49                         | 33.79                    | 22.320                    |           |
| 5,400.00                                                                             | 5,391.70                     | 5,321.85                     | 5,283.06                     | 15.81                   | 22.00                | 93.79                         | -90.79              | 576.00              | 768.42                        | 734.08                         | 34.34                    | 22.380                    |           |
| 5,500.00                                                                             | 5,491.70                     | 5,420.83                     | 5,381.01                     | 15.99                   | 22.44                | 93.95                         | -93.87              | 589.81              | 782.56                        | 747.67                         | 34.88                    | 22.433                    |           |
| 5,600.00                                                                             | 5,591.69                     | 5,519.70                     | 5,478.87                     | 16.18                   | 22.87                | -161.35                       | -96.95              | 603.61              | 797.39                        | 761.95                         | 35.44                    | 22.498                    |           |
| 5,700.00                                                                             | 5,691.66                     | 5,618.33                     | 5,576.48                     | 16.38                   | 23.31                | -161.20                       | -100.02             | 617.38              | 813.86                        | 777.85                         | 36.01                    | 22.600                    |           |
| 5,800.00                                                                             | 5,791.57                     | 5,716.67                     | 5,673.82                     | 16.58                   | 23.75                | -161.09                       | -103.08             | 631.11              | 831.95                        | 795.37                         | 36.59                    | 22.739                    |           |
| 5,900.00                                                                             | 5,891.39                     | 5,814.71                     | 5,770.85                     | 16.80                   | 24.18                | -161.02                       | -106.14             | 644.79              | 851.67                        | 814.50                         | 37.17                    | 22.915                    |           |
| 6,000.00                                                                             | 5,991.09                     | 5,912.40                     | 5,867.54                     | 17.03                   | 24.61                | -160.98                       | -109.18             | 658.43              | 873.00                        | 835.25                         | 37.75                    | 23.127                    |           |
| 6,100.00                                                                             | 6,090.64                     | 6,009.73                     | 5,963.86                     | 17.27                   | 25.04                | -160.97                       | -112.21             | 672.02              | 895.94                        | 857.61                         | 38.33                    | 23.372                    |           |
| 6,200.00                                                                             | 6,190.02                     | 6,106.66                     | 6,059.79                     | 17.53                   | 25.47                | -160.99                       | -115.23             | 685.55              | 920.48                        | 881.56                         | 38.92                    | 23.649                    |           |
| 6,300.00                                                                             | 6,289.22                     | 6,203.24                     | 6,155.38                     | 17.78                   | 25.90                | -161.07                       | -118.23             | 699.03              | 946.35                        | 906.85                         | 39.50                    | 23.958                    |           |
| 6,400.00                                                                             | 6,388.40                     | 6,299.78                     | 6,250.93                     | 18.04                   | 26.33                | -161.19                       | -121.24             | 712.51              | 972.34                        | 932.25                         | 40.09                    | 24.254                    |           |
| 6,500.00                                                                             | 6,487.59                     | 6,396.32                     | 6,346.48                     | 18.31                   | 26.76                | -161.31                       | -124.25             | 725.98              | 998.34                        | 957.65                         | 40.69                    | 24.535                    |           |
| 6,600.00                                                                             | 6,586.77                     | 6,492.87                     | 6,442.03                     | 18.60                   | 27.19                | -161.41                       | -127.25             | 739.46              | 1,024.34                      | 983.05                         | 41.30                    | 24.805                    |           |
| 6,700.00                                                                             | 6,685.96                     | 6,589.41                     | 6,537.58                     | 18.88                   | 27.62                | -161.52                       | -130.26             | 752.93              | 1,050.35                      | 1,008.45                       | 41.91                    | 25.064                    |           |
| 6,800.00                                                                             | 6,785.14                     | 6,685.95                     | 6,633.13                     | 19.18                   | 28.05                | -161.61                       | -133.26             | 766.41              | 1,076.36                      | 1,033.84                       | 42.52                    | 25.314                    |           |
| 6,900.00                                                                             | 6,884.33                     | 6,782.49                     | 6,728.68                     | 19.47                   | 28.47                | -161.71                       | -136.27             | 779.89              | 1,102.37                      | 1,059.23                       | 43.14                    | 25.554                    |           |
| 7,000.00                                                                             | 6,983.51                     | 6,879.04                     | 6,824.23                     | 19.78                   | 28.90                | -161.79                       | -139.28             | 793.36              | 1,128.39                      | 1,084.63                       | 43.76                    | 25.785                    |           |
| 7,100.00                                                                             | 7,082.70                     | 6,975.58                     | 6,919.78                     | 20.08                   | 29.33                | -161.88                       | -142.28             | 806.84              | 1,154.40                      | 1,110.02                       | 44.39                    | 26.008                    |           |
| 7,200.00                                                                             | 7,181.88                     | 7,072.12                     | 7,015.33                     | 20.40                   | 29.76                | -161.96                       | -145.29             | 820.32              | 1,180.42                      | 1,135.41                       | 45.02                    | 26.222                    |           |
| 7,300.00                                                                             | 7,281.07                     | 7,168.66                     | 7,110.88                     | 20.71                   | 30.19                | -162.04                       | -148.30             | 833.79              | 1,206.44                      | 1,160.79                       | 45.65                    | 26.428                    |           |
| 7,400.00                                                                             | 7,380.25                     | 7,265.21                     | 7,206.43                     | 21.03                   | 30.62                | -162.11                       | -151.30             | 847.27              | 1,232.47                      | 1,186.18                       | 46.29                    | 26.627                    |           |
| 7,500.00                                                                             | 7,479.44                     | 7,361.75                     | 7,301.98                     | 21.36                   | 31.05                | -162.18                       | -154.31             | 860.75              | 1,258.49                      | 1,211.57                       | 46.93                    | 26.819                    |           |
| 7,600.00                                                                             | 7,578.62                     | 7,458.29                     | 7,397.53                     | 21.68                   | 31.48                | -162.25                       | -157.31             | 874.22              | 1,284.52                      | 1,236.95                       | 47.57                    | 27.004                    |           |
| 7,700.00                                                                             | 7,677.81                     | 7,554.83                     | 7,493.08                     | 22.02                   | 31.91                | -162.31                       | -160.32             | 887.70              | 1,310.55                      | 1,262.33                       | 48.21                    | 27.182                    |           |
| 7,800.00                                                                             | 7,776.99                     | 7,651.38                     | 7,588.63                     | 22.35                   | 32.34                | -162.38                       | -163.33             | 901.17              | 1,336.58                      | 1,287.71                       | 48.86                    | 27.354                    |           |
| 7,900.00                                                                             | 7,876.18                     | 7,747.92                     | 7,684.18                     | 22.69                   | 32.77                | -162.44                       | -166.33             | 914.65              | 1,362.61                      | 1,313.09                       | 49.51                    | 27.519                    |           |
| 8,000.00                                                                             | 7,975.36                     | 7,844.46                     | 7,779.73                     | 23.03                   | 33.20                | -162.50                       | -169.34             | 928.13              | 1,388.64                      | 1,338.47                       | 50.17                    | 27.680                    |           |
| 8,100.00                                                                             | 8,074.55                     | 7,941.01                     | 7,875.28                     | 23.38                   | 33.63                | -162.55                       | -172.34             | 941.60              | 1,414.67                      | 1,363.85                       | 50.82                    | 27.834                    |           |
| 8,200.00                                                                             | 8,173.73                     | 8,047.78                     | 7,980.97                     | 23.72                   | 34.10                | -162.61                       | -175.65             | 956.41              | 1,440.65                      | 1,389.11                       | 51.54                    | 27.950                    |           |
| 8,300.00                                                                             | 8,272.92                     | 8,203.16                     | 8,135.30                     | 24.07                   | 34.75                | -162.72                       | -179.56             | 973.96              | 1,464.06                      | 1,411.52                       | 52.54                    | 27.866                    |           |
| 8,400.00                                                                             | 8,372.10                     | 8,361.27                     | 8,292.96                     | 24.43                   | 35.35                | -162.88                       | -182.14             | 985.51              | 1,483.53                      | 1,430.03                       | 53.50                    | 27.730                    |           |
| 8,500.00                                                                             | 8,471.29                     | 8,521.64                     | 8,453.23                     | 24.78                   | 35.89                | -163.07                       | -183.30             | 990.71              | 1,498.97                      | 1,444.58                       | 54.39                    | 27.562                    |           |
| 8,600.00                                                                             | 8,570.47                     | 8,638.89                     | 8,570.47                     | 25.14                   | 36.23                | -163.24                       | -183.36             | 990.99              | 1,511.35                      | 1,456.29                       | 55.06                    | 27.449                    |           |
| 8,700.00                                                                             | 8,669.66                     | 8,738.07                     | 8,669.66                     | 25.50                   | 36.53                | -163.38                       | -183.36             | 990.99              | 1,523.56                      | 1,467.87                       | 55.69                    | 27.357                    |           |
| 8,800.00                                                                             | 8,768.84                     | 8,837.26                     | 8,768.84                     | 25.86                   | 36.82                | -163.51                       | -183.36             | 990.99              | 1,535.78                      | 1,479.45                       | 56.33                    | 27.265                    |           |
| 8,900.00                                                                             | 8,868.02                     | 8,936.44                     | 8,868.02                     | 26.23                   | 37.12                | -163.65                       | -183.36             | 990.99              | 1,548.01                      | 1,491.05                       | 56.97                    | 27.174                    |           |
| 9,000.00                                                                             | 8,967.21                     | 9,035.63                     | 8,967.21                     | 26.59                   | 37.41                | -163.78                       | -183.36             | 990.99              | 1,560.25                      | 1,502.64                       | 57.61                    | 27.084                    |           |
| 9,100.00                                                                             | 9,066.39                     | 9,134.81                     | 9,066.39                     | 26.96                   | 37.71                | -163.91                       | -183.36             | 990.99              | 1,572.50                      | 1,514.25                       | 58.25                    | 26.995                    |           |
| 9,200.00                                                                             | 9,165.58                     | 9,234.00                     | 9,165.58                     | 27.33                   | 38.01                | -164.03                       | -183.36             | 990.99              | 1,584.75                      | 1,525.86                       | 58.90                    | 26.907                    |           |
| 9,300.00                                                                             | 9,264.76                     | 9,333.18                     | 9,264.76                     | 27.70                   | 38.31                | -164.16                       | -183.36             | 990.99              | 1,597.02                      | 1,537.47                       | 59.54                    | 26.820                    |           |
| 9,400.00                                                                             | 9,363.95                     | 9,432.37                     | 9,363.95                     | 28.08                   | 38.61                | -164.28                       | -183.36             | 990.99              | 1,609.29                      | 1,549.09                       | 60.19                    | 26.735                    |           |
| 9,500.00                                                                             | 9,463.13                     | 9,531.55                     | 9,463.13                     | 28.45                   | 38.92                | -164.41                       | -183.36             | 990.99              | 1,621.56                      | 1,560.72                       | 60.85                    | 26.651                    |           |
| 9,600.00                                                                             | 9,562.32                     | 9,630.74                     | 9,562.32                     | 28.83                   | 39.22                | -164.53                       | -183.36             | 990.99              | 1,633.85                      | 1,572.35                       | 61.50                    | 26.567                    |           |
| 9,700.00                                                                             | 9,661.50                     | 9,729.92                     | 9,661.50                     | 29.21                   | 39.52                | -164.64                       | -183.36             | 990.99              | 1,646.14                      | 1,583.98                       | 62.15                    | 26.485                    |           |
| 9,800.00                                                                             | 9,760.69                     | 9,829.10                     | 9,760.69                     | 29.59                   | 39.83                | -164.76                       | -183.36             | 990.99              | 1,658.44                      | 1,595.63                       | 62.81                    | 26.404                    |           |
| 9,900.00                                                                             | 9,859.87                     | 9,928.29                     | 9,859.87                     | 29.97                   | 40.13                | -164.88                       | -183.36             | 990.99              | 1,670.74                      | 1,607.27                       | 63.47                    | 26.324                    |           |
| 10,000.00                                                                            | 9,959.06                     | 10,027.47                    | 9,959.06                     | 30.35                   | 40.44                | -164.99                       | -183.36             | 990.99              | 1,683.05                      | 1,618.92                       | 64.13                    | 26.245                    |           |
| 10,100.00                                                                            | 10,058.24                    | 10,126.66                    | 10,058.24                    | 30.74                   | 40.75                | -165.10                       | -183.36             | 990.99              | 1,695.37                      | 1,630.58                       | 64.79                    | 26.168                    |           |
| 10,200.00                                                                            | 10,157.43                    | 10,225.84                    | 10,157.43                    | 31.12                   | 41.06                | -165.21                       | -183.36             | 990.99              | 1,707.69                      | 1,642.24                       | 65.45                    | 26.091                    |           |

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



## Legacy Directional Drilling

### Anticollision Report

|                           |                                |                                     |                                  |
|---------------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Matador Resources Company      | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Project:</b>           | Lea County, New Mexico (NAD27) | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Reference Site:</b>    | Nina Cortell Fed Com           | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | ST01                           | <b>Database:</b>                    | EDM5000                          |
| <b>Reference Design:</b>  | Pan 3                          | <b>Offset TVD Reference:</b>        | Offset Datum                     |

|                                                                                      |                              |                              |                              |                         |                      |                               |                     |                     |                               |                                |                          |                |                                     |
|--------------------------------------------------------------------------------------|------------------------------|------------------------------|------------------------------|-------------------------|----------------------|-------------------------------|---------------------|---------------------|-------------------------------|--------------------------------|--------------------------|----------------|-------------------------------------|
| <b>Offset Design:</b> Nina Cortell Fed Com - Nina Cortell Fed Com 134H - OH - Plan 2 |                              |                              |                              |                         |                      |                               |                     |                     |                               |                                |                          |                | <b>Offset Site Error:</b> 0.00 usft |
| <b>Survey Program:</b> 0-MWD+IGRF                                                    |                              |                              |                              |                         |                      |                               |                     |                     |                               |                                |                          |                | <b>Offset Well Error:</b> 0.00 usft |
| <b>Reference</b>                                                                     | <b>Offset</b>                | <b>Semi Major Axis</b>       |                              | <b>Highside</b>         |                      | <b>Offset Wellbore Centre</b> |                     | <b>Distance</b>     |                               | <b>Minimum</b>                 | <b>Separation</b>        | <b>Warning</b> |                                     |
| <b>Measured Depth (usft)</b>                                                         | <b>Vertical Depth (usft)</b> | <b>Measured Depth (usft)</b> | <b>Vertical Depth (usft)</b> | <b>Reference (usft)</b> | <b>Offset (usft)</b> | <b>Toolface (°)</b>           | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Between Centres (usft)</b> | <b>Between Ellipses (usft)</b> | <b>Separation (usft)</b> |                |                                     |
| 10,300.00                                                                            | 10,256.61                    | 10,325.03                    | 10,256.61                    | 31.51                   | 41.36                | -165.32                       | -183.36             | 990.99              | 1,720.02                      | 1,653.91                       | 66.12                    | 26.015         |                                     |
| 10,400.00                                                                            | 10,355.80                    | 10,424.21                    | 10,355.80                    | 31.90                   | 41.67                | -165.42                       | -183.36             | 990.99              | 1,732.36                      | 1,665.58                       | 66.78                    | 25.941         |                                     |
| 10,500.00                                                                            | 10,454.98                    | 10,523.40                    | 10,454.98                    | 32.29                   | 41.98                | -165.53                       | -183.36             | 990.99              | 1,744.70                      | 1,677.25                       | 67.45                    | 25.867         |                                     |
| 10,600.00                                                                            | 10,554.17                    | 10,622.58                    | 10,554.17                    | 32.68                   | 42.29                | -165.64                       | -183.36             | 990.99              | 1,757.04                      | 1,688.93                       | 68.11                    | 25.796         |                                     |
| 10,700.00                                                                            | 10,653.47                    | 10,721.89                    | 10,653.47                    | 33.05                   | 42.61                | -165.76                       | -183.36             | 990.99              | 1,768.43                      | 1,699.65                       | 68.78                    | 25.713         |                                     |
| 10,800.00                                                                            | 10,752.97                    | 10,821.39                    | 10,752.97                    | 33.42                   | 42.92                | -165.86                       | -183.36             | 990.99              | 1,778.14                      | 1,708.69                       | 69.44                    | 25.605         |                                     |
| 10,900.00                                                                            | 10,852.63                    | 10,921.04                    | 10,852.63                    | 33.78                   | 43.23                | -165.95                       | -183.36             | 990.99              | 1,786.16                      | 1,716.05                       | 70.11                    | 25.476         |                                     |
| 11,000.00                                                                            | 10,952.41                    | 11,020.83                    | 10,952.41                    | 34.12                   | 43.55                | -166.01                       | -183.36             | 990.99              | 1,792.50                      | 1,721.72                       | 70.78                    | 25.325         |                                     |
| 11,100.00                                                                            | 11,052.30                    | 11,120.71                    | 11,052.30                    | 34.45                   | 43.87                | -166.06                       | -183.36             | 990.99              | 1,797.15                      | 1,725.71                       | 71.45                    | 25.154         |                                     |
| 11,200.00                                                                            | 11,152.25                    | 11,220.66                    | 11,152.25                    | 34.77                   | 44.18                | -166.09                       | -183.36             | 990.99              | 1,800.11                      | 1,728.00                       | 72.11                    | 24.963         |                                     |
| 11,300.00                                                                            | 11,252.24                    | 11,320.65                    | 11,252.24                    | 35.07                   | 44.50                | -166.10                       | -183.36             | 990.99              | 1,801.37                      | 1,728.60                       | 72.77                    | 24.753         |                                     |
| 11,400.00                                                                            | 11,352.24                    | 11,420.65                    | 11,352.24                    | 35.35                   | 44.82                | 89.38                         | -183.36             | 990.99              | 1,801.43                      | 1,728.01                       | 73.41                    | 24.538         |                                     |
| 11,465.92                                                                            | 11,418.16                    | 11,486.57                    | 11,418.16                    | 35.53                   | 45.03                | 89.38                         | -183.36             | 990.99              | 1,801.43                      | 1,727.59                       | 73.84                    | 24.398         |                                     |
| 11,500.00                                                                            | 11,452.24                    | 11,520.63                    | 11,452.22                    | 35.62                   | 45.14                | 89.38                         | -183.36             | 990.99              | 1,801.43                      | 1,727.37                       | 74.05                    | 24.326         |                                     |
| 11,600.00                                                                            | 11,552.10                    | 11,619.21                    | 11,550.28                    | 35.93                   | 45.53                | 94.80                         | -174.52             | 990.92              | 1,801.80                      | 1,727.15                       | 74.66                    | 24.134         |                                     |
| 11,700.00                                                                            | 11,650.49                    | 11,716.37                    | 11,644.04                    | 36.24                   | 45.96                | 94.40                         | -149.52             | 990.72              | 1,803.44                      | 1,728.24                       | 75.20                    | 23.981         |                                     |
| 11,800.00                                                                            | 11,745.50                    | 11,811.58                    | 11,730.54                    | 36.54                   | 46.32                | 93.82                         | -110.00             | 990.41              | 1,806.38                      | 1,730.68                       | 75.70                    | 23.864         |                                     |
| 11,900.00                                                                            | 11,834.80                    | 11,904.63                    | 11,807.63                    | 36.77                   | 46.61                | 93.03                         | -58.08              | 990.01              | 1,810.67                      | 1,734.52                       | 76.15                    | 23.779         |                                     |
| 12,000.00                                                                            | 11,915.02                    | 11,995.91                    | 11,874.12                    | 37.03                   | 46.83                | 92.13                         | 4.32                | 989.52              | 1,816.34                      | 1,739.76                       | 76.58                    | 23.719         |                                     |
| 12,100.00                                                                            | 11,983.70                    | 12,085.71                    | 11,929.06                    | 37.23                   | 46.99                | 91.16                         | 75.23               | 988.96              | 1,823.19                      | 1,746.17                       | 77.01                    | 23.673         |                                     |
| 12,200.00                                                                            | 12,038.74                    | 12,174.32                    | 11,971.77                    | 37.37                   | 47.10                | 90.16                         | 152.77              | 988.35              | 1,830.99                      | 1,753.50                       | 77.49                    | 23.628         |                                     |
| 12,300.00                                                                            | 12,078.48                    | 12,262.04                    | 12,001.78                    | 37.48                   | 47.20                | 89.15                         | 235.10              | 987.70              | 1,839.48                      | 1,761.45                       | 78.03                    | 23.574         |                                     |
| 12,400.00                                                                            | 12,101.70                    | 12,350.00                    | 12,018.91                    | 37.61                   | 47.30                | 88.16                         | 321.29              | 987.03              | 1,848.38                      | 1,769.73                       | 78.64                    | 23.503         |                                     |
| 12,500.00                                                                            | 12,107.84                    | 12,438.53                    | 12,023.00                    | 37.82                   | 47.43                | 87.34                         | 409.65              | 986.33              | 1,857.39                      | 1,778.05                       | 79.34                    | 23.410         |                                     |
| 12,600.00                                                                            | 12,107.31                    | 12,538.13                    | 12,023.00                    | 38.15                   | 47.64                | 87.38                         | 509.24              | 985.55              | 1,866.33                      | 1,786.11                       | 80.21                    | 23.267         |                                     |
| 12,700.00                                                                            | 12,106.79                    | 12,636.69                    | 12,022.31                    | 38.61                   | 47.92                | 87.40                         | 607.80              | 984.78              | 1,873.15                      | 1,791.87                       | 81.28                    | 23.046         |                                     |
| 12,800.00                                                                            | 12,106.27                    | 12,736.63                    | 12,020.90                    | 39.22                   | 48.29                | 87.39                         | 707.73              | 983.99              | 1,876.51                      | 1,793.95                       | 82.56                    | 22.728         |                                     |
| 12,823.47                                                                            | 12,106.15                    | 12,760.10                    | 12,020.57                    | 39.37                   | 48.39                | 87.38                         | 731.19              | 983.81              | 1,876.85                      | 1,793.97                       | 82.88                    | 22.645         |                                     |
| 12,900.00                                                                            | 12,105.75                    | 12,836.62                    | 12,019.49                    | 39.90                   | 48.75                | 87.37                         | 807.71              | 983.21              | 1,876.93                      | 1,792.99                       | 83.94                    | 22.361         |                                     |
| 12,922.83                                                                            | 12,105.63                    | 12,859.45                    | 12,019.17                    | 40.07                   | 48.86                | 87.36                         | 830.54              | 983.03              | 1,876.94                      | 1,792.66                       | 84.28                    | 22.271         |                                     |
| 13,000.00                                                                            | 12,105.23                    | 12,936.62                    | 12,018.08                    | 40.68                   | 49.29                | 87.34                         | 907.69              | 982.42              | 1,876.99                      | 1,791.53                       | 85.46                    | 21.964         |                                     |
| 13,022.84                                                                            | 12,105.11                    | 12,959.45                    | 12,017.76                    | 40.87                   | 49.42                | 87.33                         | 930.52              | 982.24              | 1,877.00                      | 1,791.17                       | 85.83                    | 21.869         |                                     |
| 13,100.00                                                                            | 12,104.71                    | 13,036.61                    | 12,016.67                    | 41.55                   | 49.92                | 87.31                         | 1,007.67            | 981.64              | 1,877.05                      | 1,789.94                       | 87.12                    | 21.546         |                                     |
| 13,122.84                                                                            | 12,104.59                    | 13,059.45                    | 12,016.35                    | 41.77                   | 50.07                | 87.31                         | 1,030.51            | 981.46              | 1,877.07                      | 1,789.55                       | 87.52                    | 21.447         |                                     |
| 13,200.00                                                                            | 12,104.19                    | 13,136.61                    | 12,015.26                    | 42.50                   | 50.62                | 87.28                         | 1,107.66            | 980.85              | 1,877.12                      | 1,788.21                       | 88.91                    | 21.112         |                                     |
| 13,222.84                                                                            | 12,104.07                    | 13,159.45                    | 12,014.94                    | 42.73                   | 50.79                | 87.28                         | 1,130.49            | 980.67              | 1,877.13                      | 1,787.79                       | 89.35                    | 21.009         |                                     |
| 13,300.00                                                                            | 12,103.67                    | 13,236.61                    | 12,013.85                    | 43.52                   | 51.40                | 87.26                         | 1,207.64            | 980.07              | 1,877.18                      | 1,786.35                       | 90.83                    | 20.666         |                                     |
| 13,322.84                                                                            | 12,103.55                    | 13,259.45                    | 12,013.53                    | 43.77                   | 51.59                | 87.25                         | 1,230.48            | 979.89              | 1,877.20                      | 1,785.90                       | 91.29                    | 20.562         |                                     |
| 13,400.00                                                                            | 12,103.14                    | 13,336.60                    | 12,012.44                    | 44.60                   | 52.24                | 87.23                         | 1,307.62            | 979.28              | 1,877.25                      | 1,784.38                       | 92.87                    | 20.213         |                                     |
| 13,422.84                                                                            | 12,103.03                    | 13,359.45                    | 12,012.12                    | 44.86                   | 52.45                | 87.22                         | 1,330.46            | 979.10              | 1,877.26                      | 1,783.91                       | 93.36                    | 20.108         |                                     |
| 13,500.00                                                                            | 12,102.62                    | 13,436.60                    | 12,011.03                    | 45.74                   | 53.15                | 87.20                         | 1,407.61            | 978.50              | 1,877.31                      | 1,782.29                       | 95.02                    | 19.757         |                                     |
| 13,522.85                                                                            | 12,102.51                    | 13,459.44                    | 12,010.71                    | 46.01                   | 53.37                | 87.20                         | 1,430.45            | 978.32              | 1,877.33                      | 1,781.80                       | 95.53                    | 19.652         |                                     |
| 13,600.00                                                                            | 12,102.10                    | 13,536.59                    | 12,009.62                    | 46.93                   | 54.12                | 87.18                         | 1,507.59            | 977.71              | 1,877.38                      | 1,780.11                       | 97.27                    | 19.301         |                                     |
| 13,622.59                                                                            | 12,102.01                    | 13,559.18                    | 12,009.31                    | 47.21                   | 54.35                | 87.17                         | 1,530.18            | 977.54              | 1,877.40                      | 1,779.60                       | 97.79                    | 19.197         |                                     |
| 13,700.00                                                                            | 12,102.07                    | 13,636.58                    | 12,008.21                    | 48.16                   | 55.14                | 87.13                         | 1,607.57            | 976.93              | 1,877.48                      | 1,777.87                       | 99.61                    | 18.848         |                                     |
| 13,722.59                                                                            | 12,102.07                    | 13,659.18                    | 12,007.90                    | 48.45                   | 55.38                | 87.12                         | 1,630.16            | 976.75              | 1,877.50                      | 1,777.35                       | 100.16                   | 18.746         |                                     |
| 13,800.00                                                                            | 12,102.07                    | 13,736.58                    | 12,006.81                    | 49.44                   | 56.21                | 87.09                         | 1,707.54            | 976.14              | 1,877.58                      | 1,775.54                       | 102.04                   | 18.400         |                                     |
| 13,822.60                                                                            | 12,102.07                    | 13,759.17                    | 12,006.49                    | 49.74                   | 56.46                | 87.08                         | 1,730.14            | 975.97              | 1,877.61                      | 1,775.00                       | 102.61                   | 18.299         |                                     |
| 13,900.00                                                                            | 12,102.06                    | 13,836.57                    | 12,005.40                    | 50.76                   | 57.33                | 87.05                         | 1,807.52            | 975.36              | 1,877.69                      | 1,773.13                       | 104.56                   | 17.959         |                                     |
| 13,922.60                                                                            | 12,102.06                    | 13,859.17                    | 12,005.08                    | 51.06                   | 57.59                | 87.04                         | 1,830.12            | 975.18              | 1,877.71                      | 1,772.57                       | 105.14                   | 17.859         |                                     |
| 14,000.00                                                                            | 12,102.06                    | 13,936.56                    | 12,003.99                    | 52.11                   | 58.49                | 87.01                         | 1,907.50            | 974.57              | 1,877.79                      | 1,770.65                       | 107.15                   | 17.525         |                                     |
| 14,022.61                                                                            | 12,102.06                    | 13,959.16                    | 12,003.67                    | 52.42                   | 58.76                | 87.00                         | 1,930.10            | 974.40              | 1,877.82                      | 1,770.07                       | 107.75                   | 17.428         |                                     |

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

## Legacy Directional Drilling

### Anticollision Report

|                           |                                |                                     |                                  |
|---------------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Matador Resources Company      | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Project:</b>           | Lea County, New Mexico (NAD27) | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Reference Site:</b>    | Nina Cortell Fed Com           | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | ST01                           | <b>Database:</b>                    | EDM5000                          |
| <b>Reference Design:</b>  | Pan 3                          | <b>Offset TVD Reference:</b>        | Offset Datum                     |

|                                                                                      |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                          |                                     |
|--------------------------------------------------------------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------|--------------------------|----------------------------------|-------------------------------|-------------------------|-----------------------------------|------------------------------------|--------------------------------------|--------------------------|-------------------------------------|
| <b>Offset Design:</b> Nina Cortell Fed Com - Nina Cortell Fed Com 134H - OH - Plan 2 |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                          | <b>Offset Site Error:</b> 0.00 usft |
| <b>Survey Program:</b> 0-MWD+IGRF                                                    |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                          | <b>Offset Well Error:</b> 0.00 usft |
| <b>Reference</b>                                                                     |                                  | <b>Offset</b>                    |                                  | <b>Semi Major Axis</b>      |                          | <b>Highside Toolface<br/>(°)</b> | <b>Offset Wellbore Centre</b> |                         | <b>Distance</b>                   |                                    | <b>Minimum Separation<br/>(usft)</b> | <b>Separation Factor</b> | <b>Warning</b>                      |
| <b>Measured Depth<br/>(usft)</b>                                                     | <b>Vertical Depth<br/>(usft)</b> | <b>Measured Depth<br/>(usft)</b> | <b>Vertical Depth<br/>(usft)</b> | <b>Reference<br/>(usft)</b> | <b>Offset<br/>(usft)</b> |                                  | <b>+N/-S<br/>(usft)</b>       | <b>+E/-W<br/>(usft)</b> | <b>Between Centres<br/>(usft)</b> | <b>Between Ellipses<br/>(usft)</b> |                                      |                          |                                     |
| 14,100.00                                                                            | 12,102.06                        | 14,036.55                        | 12,002.58                        | 53.50                       | 59.69                    | 86.96                            | 2,007.48                      | 973.79                  | 1,877.90                          | 1,768.09                           | 109.81                               | 17.101                   |                                     |
| 14,122.61                                                                            | 12,102.06                        | 14,059.15                        | 12,002.26                        | 53.82                       | 59.97                    | 86.95                            | 2,030.08                      | 973.61                  | 1,877.93                          | 1,767.50                           | 110.43                               | 17.006                   |                                     |
| 14,200.00                                                                            | 12,102.05                        | 14,136.54                        | 12,001.17                        | 54.92                       | 60.93                    | 86.92                            | 2,107.45                      | 973.00                  | 1,878.01                          | 1,765.47                           | 112.54                               | 16.687                   |                                     |
| 14,222.62                                                                            | 12,102.05                        | 14,159.15                        | 12,000.85                        | 55.25                       | 61.22                    | 86.91                            | 2,130.06                      | 972.83                  | 1,878.03                          | 1,764.86                           | 113.17                               | 16.595                   |                                     |
| 14,300.00                                                                            | 12,102.05                        | 14,236.53                        | 11,999.76                        | 56.37                       | 62.20                    | 86.88                            | 2,207.43                      | 972.22                  | 1,878.12                          | 1,762.79                           | 115.33                               | 16.285                   |                                     |
| 14,322.62                                                                            | 12,102.05                        | 14,259.14                        | 11,999.44                        | 56.70                       | 62.50                    | 86.87                            | 2,230.04                      | 972.04                  | 1,878.14                          | 1,762.17                           | 115.97                               | 16.195                   |                                     |
| 14,400.00                                                                            | 12,102.05                        | 14,336.52                        | 11,998.35                        | 57.84                       | 63.51                    | 86.84                            | 2,307.41                      | 971.43                  | 1,878.23                          | 1,760.05                           | 118.18                               | 15.893                   |                                     |
| 14,422.62                                                                            | 12,102.05                        | 14,359.14                        | 11,998.03                        | 58.18                       | 63.81                    | 86.83                            | 2,330.03                      | 971.26                  | 1,878.25                          | 1,759.42                           | 118.83                               | 15.806                   |                                     |
| 14,500.00                                                                            | 12,102.05                        | 14,436.51                        | 11,996.94                        | 59.34                       | 64.85                    | 86.79                            | 2,407.38                      | 970.65                  | 1,878.34                          | 1,757.26                           | 121.08                               | 15.514                   |                                     |
| 14,522.63                                                                            | 12,102.05                        | 14,459.13                        | 11,996.62                        | 59.69                       | 65.16                    | 86.78                            | 2,430.01                      | 970.47                  | 1,878.36                          | 1,756.62                           | 121.74                               | 15.429                   |                                     |
| 14,600.00                                                                            | 12,102.04                        | 14,536.50                        | 11,995.53                        | 60.87                       | 66.22                    | 86.75                            | 2,507.36                      | 969.86                  | 1,878.45                          | 1,754.42                           | 124.03                               | 15.146                   |                                     |
| 14,622.63                                                                            | 12,102.04                        | 14,559.12                        | 11,995.21                        | 61.21                       | 66.53                    | 86.74                            | 2,529.99                      | 969.69                  | 1,878.47                          | 1,753.77                           | 124.70                               | 15.064                   |                                     |
| 14,700.00                                                                            | 12,102.04                        | 14,636.49                        | 11,994.12                        | 62.41                       | 67.61                    | 86.71                            | 2,607.34                      | 969.08                  | 1,878.56                          | 1,751.54                           | 127.02                               | 14.789                   |                                     |
| 14,722.64                                                                            | 12,102.04                        | 14,659.12                        | 11,993.80                        | 62.76                       | 67.93                    | 86.70                            | 2,629.97                      | 968.90                  | 1,878.59                          | 1,750.88                           | 127.71                               | 14.710                   |                                     |
| 14,800.00                                                                            | 12,102.04                        | 14,736.48                        | 11,992.71                        | 63.97                       | 69.03                    | 86.66                            | 2,707.32                      | 968.29                  | 1,878.68                          | 1,748.62                           | 130.06                               | 14.445                   |                                     |
| 14,822.64                                                                            | 12,102.04                        | 14,759.11                        | 11,992.40                        | 64.33                       | 69.35                    | 86.65                            | 2,729.95                      | 968.12                  | 1,878.70                          | 1,747.95                           | 130.75                               | 14.368                   |                                     |
| 14,900.00                                                                            | 12,102.03                        | 14,836.47                        | 11,991.31                        | 65.55                       | 70.47                    | 86.62                            | 2,807.29                      | 967.51                  | 1,878.79                          | 1,745.65                           | 133.14                               | 14.112                   |                                     |
| 14,922.64                                                                            | 12,102.03                        | 14,859.11                        | 11,990.99                        | 65.92                       | 70.80                    | 86.61                            | 2,829.93                      | 967.33                  | 1,878.82                          | 1,744.98                           | 133.84                               | 14.038                   |                                     |
| 15,000.00                                                                            | 12,102.03                        | 14,936.46                        | 11,989.90                        | 67.15                       | 71.94                    | 86.58                            | 2,907.27                      | 966.72                  | 1,878.91                          | 1,742.66                           | 136.25                               | 13.790                   |                                     |
| 15,022.65                                                                            | 12,102.03                        | 14,959.10                        | 11,989.58                        | 67.52                       | 72.27                    | 86.57                            | 2,929.91                      | 966.55                  | 1,878.93                          | 1,741.97                           | 136.96                               | 13.719                   |                                     |
| 15,100.00                                                                            | 12,102.03                        | 15,036.45                        | 11,988.49                        | 68.77                       | 73.42                    | 86.54                            | 3,007.25                      | 965.94                  | 1,879.02                          | 1,739.62                           | 139.40                               | 13.479                   |                                     |
| 15,122.65                                                                            | 12,102.03                        | 15,059.09                        | 11,988.17                        | 69.14                       | 73.76                    | 86.53                            | 3,029.89                      | 965.76                  | 1,879.05                          | 1,738.93                           | 140.12                               | 13.410                   |                                     |
| 15,200.00                                                                            | 12,102.03                        | 15,136.44                        | 11,987.08                        | 70.40                       | 74.93                    | 86.49                            | 3,107.22                      | 965.16                  | 1,879.14                          | 1,736.56                           | 142.58                               | 13.180                   |                                     |
| 15,222.65                                                                            | 12,102.03                        | 15,159.09                        | 11,986.76                        | 70.77                       | 75.27                    | 86.48                            | 3,129.87                      | 964.98                  | 1,879.17                          | 1,735.86                           | 143.31                               | 13.113                   |                                     |
| 15,300.00                                                                            | 12,102.02                        | 15,236.43                        | 11,985.67                        | 72.04                       | 76.45                    | 86.45                            | 3,207.20                      | 964.37                  | 1,879.26                          | 1,733.47                           | 145.79                               | 12.890                   |                                     |
| 15,322.65                                                                            | 12,102.02                        | 15,259.08                        | 11,985.35                        | 72.41                       | 76.80                    | 86.44                            | 3,229.85                      | 964.19                  | 1,879.29                          | 1,732.76                           | 146.52                               | 12.826                   |                                     |
| 15,400.00                                                                            | 12,102.02                        | 15,336.42                        | 11,984.26                        | 73.70                       | 77.99                    | 86.41                            | 3,307.18                      | 963.59                  | 1,879.38                          | 1,730.35                           | 149.03                               | 12.611                   |                                     |
| 15,422.66                                                                            | 12,102.02                        | 15,359.07                        | 11,983.94                        | 74.07                       | 78.34                    | 86.40                            | 3,329.83                      | 963.41                  | 1,879.41                          | 1,729.64                           | 149.77                               | 12.549                   |                                     |
| 15,500.00                                                                            | 12,102.02                        | 15,436.41                        | 11,982.85                        | 75.36                       | 79.55                    | 86.36                            | 3,407.16                      | 962.80                  | 1,879.50                          | 1,727.21                           | 152.30                               | 12.341                   |                                     |
| 15,522.66                                                                            | 12,102.02                        | 15,459.07                        | 11,982.53                        | 75.74                       | 79.90                    | 86.36                            | 3,429.81                      | 962.62                  | 1,879.53                          | 1,726.49                           | 153.04                               | 12.281                   |                                     |
| 15,600.00                                                                            | 12,102.01                        | 15,536.40                        | 11,981.44                        | 77.04                       | 81.12                    | 86.32                            | 3,507.13                      | 962.02                  | 1,879.62                          | 1,724.04                           | 155.58                               | 12.081                   |                                     |
| 15,622.77                                                                            | 12,102.01                        | 15,559.17                        | 11,981.12                        | 77.43                       | 81.48                    | 86.31                            | 3,529.90                      | 961.84                  | 1,879.65                          | 1,723.32                           | 156.34                               | 12.023                   |                                     |
| 15,700.00                                                                            | 12,102.01                        | 15,636.81                        | 11,980.25                        | 78.73                       | 82.71                    | 86.29                            | 3,607.54                      | 961.23                  | 1,879.73                          | 1,720.83                           | 158.90                               | 11.829                   |                                     |
| 15,722.79                                                                            | 12,102.01                        | 15,659.60                        | 11,980.00                        | 79.12                       | 83.08                    | 86.28                            | 3,630.33                      | 961.05                  | 1,879.76                          | 1,720.10                           | 159.66                               | 11.773                   |                                     |
| 15,800.00                                                                            | 12,102.01                        | 15,736.81                        | 11,979.18                        | 80.43                       | 84.31                    | 86.25                            | 3,707.52                      | 960.44                  | 1,879.84                          | 1,717.60                           | 162.24                               | 11.587                   |                                     |
| 15,822.79                                                                            | 12,102.01                        | 15,759.60                        | 11,978.94                        | 80.82                       | 84.68                    | 86.25                            | 3,730.31                      | 960.26                  | 1,879.86                          | 1,716.86                           | 163.00                               | 11.533                   |                                     |
| 15,900.00                                                                            | 12,102.01                        | 15,836.80                        | 11,978.12                        | 82.14                       | 85.92                    | 86.22                            | 3,807.51                      | 959.66                  | 1,879.94                          | 1,714.34                           | 165.59                               | 11.353                   |                                     |
| 15,922.80                                                                            | 12,102.01                        | 15,859.60                        | 11,977.87                        | 82.53                       | 86.29                    | 86.21                            | 3,830.30                      | 959.48                  | 1,879.96                          | 1,713.60                           | 166.36                               | 11.301                   |                                     |
| 16,000.00                                                                            | 12,102.00                        | 15,936.80                        | 11,977.05                        | 83.86                       | 87.55                    | 86.19                            | 3,907.49                      | 958.87                  | 1,880.04                          | 1,711.07                           | 168.97                               | 11.127                   |                                     |
| 16,022.80                                                                            | 12,102.00                        | 15,959.60                        | 11,976.81                        | 84.25                       | 87.92                    | 86.18                            | 3,930.29                      | 958.69                  | 1,880.06                          | 1,710.32                           | 169.74                               | 11.076                   |                                     |
| 16,100.00                                                                            | 12,102.00                        | 16,036.79                        | 11,975.99                        | 85.58                       | 89.19                    | 86.16                            | 4,007.48                      | 958.09                  | 1,880.14                          | 1,707.78                           | 172.36                               | 10.908                   |                                     |
| 16,122.96                                                                            | 12,101.98                        | 16,059.74                        | 11,975.74                        | 85.98                       | 89.56                    | 86.15                            | 4,030.43                      | 957.91                  | 1,880.16                          | 1,707.02                           | 173.14                               | 10.859                   |                                     |
| 16,200.00                                                                            | 12,101.80                        | 16,136.79                        | 11,974.92                        | 87.31                       | 90.83                    | 86.13                            | 4,107.47                      | 957.30                  | 1,880.22                          | 1,704.45                           | 175.77                               | 10.697                   |                                     |
| 16,222.94                                                                            | 12,101.76                        | 16,159.73                        | 11,974.68                        | 87.71                       | 91.21                    | 86.12                            | 4,130.41                      | 957.12                  | 1,880.23                          | 1,703.68                           | 176.55                               | 10.650                   |                                     |
| 16,300.00                                                                            | 12,101.60                        | 16,236.78                        | 11,973.85                        | 89.06                       | 92.49                    | 86.10                            | 4,207.45                      | 956.52                  | 1,880.29                          | 1,701.10                           | 179.20                               | 10.493                   |                                     |
| 16,322.94                                                                            | 12,101.56                        | 16,259.72                        | 11,973.61                        | 89.46                       | 92.87                    | 86.10                            | 4,230.39                      | 956.34                  | 1,880.31                          | 1,700.32                           | 179.98                               | 10.447                   |                                     |
| 16,400.00                                                                            | 12,101.40                        | 16,336.78                        | 11,972.79                        | 90.80                       | 94.16                    | 86.08                            | 4,307.44                      | 955.73                  | 1,880.37                          | 1,697.73                           | 182.64                               | 10.296                   |                                     |
| 16,422.94                                                                            | 12,101.36                        | 16,359.72                        | 11,972.54                        | 91.21                       | 94.54                    | 86.07                            | 4,330.38                      | 955.55                  | 1,880.38                          | 1,696.95                           | 183.43                               | 10.251                   |                                     |
| 16,500.00                                                                            | 12,101.20                        | 16,436.77                        | 11,971.72                        | 92.56                       | 95.83                    | 86.05                            | 4,407.43                      | 954.95                  | 1,880.44                          | 1,694.35                           | 186.09                               | 10.105                   |                                     |
| 16,522.95                                                                            | 12,101.16                        | 16,459.72                        | 11,971.48                        | 92.96                       | 96.22                    | 86.05                            | 4,430.37                      | 954.77                  | 1,880.46                          | 1,693.57                           | 186.89                               | 10.062                   |                                     |
| 16,600.00                                                                            | 12,101.00                        | 16,536.77                        | 11,970.66                        | 94.32                       | 97.52                    | 86.03                            | 4,507.42                      | 954.16                  | 1,880.52                          | 1,690.95                           | 189.56                               | 9.920                    |                                     |
| 16,622.95                                                                            | 12,100.96                        | 16,559.72                        | 11,970.41                        | 94.72                       | 97.91                    | 86.02                            | 4,530.36                      | 953.98                  | 1,880.54                          | 1,690.17                           | 190.36                               | 9.879                    |                                     |

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

## Legacy Directional Drilling

### Anticollision Report

|                           |                                |                                     |                                  |
|---------------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Matador Resources Company      | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Project:</b>           | Lea County, New Mexico (NAD27) | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Reference Site:</b>    | Nina Cortell Fed Com           | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | ST01                           | <b>Database:</b>                    | EDM5000                          |
| <b>Reference Design:</b>  | Pan 3                          | <b>Offset TVD Reference:</b>        | Offset Datum                     |

|                                                                                      |                              |                              |                              |                         |                      |                              |                                            |                     |                               |                                |                                  |                          |                                     |
|--------------------------------------------------------------------------------------|------------------------------|------------------------------|------------------------------|-------------------------|----------------------|------------------------------|--------------------------------------------|---------------------|-------------------------------|--------------------------------|----------------------------------|--------------------------|-------------------------------------|
| <b>Offset Design:</b> Nina Cortell Fed Com - Nina Cortell Fed Com 134H - OH - Plan 2 |                              |                              |                              |                         |                      |                              |                                            |                     |                               |                                |                                  |                          | <b>Offset Site Error:</b> 0.00 usft |
| <b>Survey Program:</b> 0-MWD+IGRF                                                    |                              |                              |                              |                         |                      |                              |                                            |                     |                               |                                |                                  |                          | <b>Offset Well Error:</b> 0.00 usft |
| <b>Reference</b>                                                                     | <b>Offset</b>                | <b>Semi Major Axis</b>       |                              | <b>Distance</b>         |                      | <b>Rule Assigned:</b>        |                                            | <b>Warning</b>      |                               |                                |                                  |                          |                                     |
| <b>Measured Depth (usft)</b>                                                         | <b>Vertical Depth (usft)</b> | <b>Measured Depth (usft)</b> | <b>Vertical Depth (usft)</b> | <b>Reference (usft)</b> | <b>Offset (usft)</b> | <b>Highside Toolface (°)</b> | <b>Offset Wellbore Centre +N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Between Centres (usft)</b> | <b>Between Ellipses (usft)</b> | <b>Minimum Separation (usft)</b> | <b>Separation Factor</b> |                                     |
| 16,700.00                                                                            | 12,100.80                    | 16,636.77                    | 11,969.59                    | 96.08                   | 99.21                | 86.00                        | 4,607.40                                   | 953.37              | 1,880.59                      | 1,687.55                       | 193.05                           | 9.742                    |                                     |
| 16,722.95                                                                            | 12,100.75                    | 16,659.71                    | 11,969.35                    | 96.49                   | 99.60                | 85.99                        | 4,630.35                                   | 953.19              | 1,880.61                      | 1,686.76                       | 193.85                           | 9.701                    |                                     |
| 16,800.00                                                                            | 12,100.60                    | 16,736.76                    | 11,968.53                    | 97.86                   | 100.91               | 85.97                        | 4,707.39                                   | 952.59              | 1,880.67                      | 1,684.13                       | 196.54                           | 9.569                    |                                     |
| 16,822.95                                                                            | 12,100.55                    | 16,759.71                    | 11,968.28                    | 98.26                   | 101.31               | 85.97                        | 4,730.34                                   | 952.41              | 1,880.69                      | 1,683.34                       | 197.35                           | 9.530                    |                                     |
| 16,900.00                                                                            | 12,100.40                    | 16,836.76                    | 11,967.46                    | 99.63                   | 102.62               | 85.95                        | 4,807.38                                   | 951.80              | 1,880.75                      | 1,680.70                       | 200.05                           | 9.402                    |                                     |
| 16,922.95                                                                            | 12,100.35                    | 16,859.71                    | 11,967.22                    | 100.04                  | 103.02               | 85.94                        | 4,830.32                                   | 951.62              | 1,880.76                      | 1,679.91                       | 200.85                           | 9.364                    |                                     |
| 17,000.00                                                                            | 12,100.20                    | 16,936.76                    | 11,966.40                    | 101.41                  | 104.34               | 85.92                        | 4,907.37                                   | 951.02              | 1,880.82                      | 1,677.26                       | 203.56                           | 9.239                    |                                     |
| 17,022.95                                                                            | 12,100.15                    | 16,959.70                    | 11,966.15                    | 101.82                  | 104.73               | 85.91                        | 4,930.31                                   | 950.84              | 1,880.84                      | 1,676.47                       | 204.37                           | 9.203                    |                                     |
| 17,100.00                                                                            | 12,100.00                    | 17,036.75                    | 11,965.33                    | 103.20                  | 106.06               | 85.89                        | 5,007.35                                   | 950.23              | 1,880.90                      | 1,673.81                       | 207.09                           | 9.083                    |                                     |
| 17,123.24                                                                            | 12,099.95                    | 17,060.00                    | 11,965.08                    | 103.62                  | 106.46               | 85.89                        | 5,030.60                                   | 950.05              | 1,880.92                      | 1,673.01                       | 207.91                           | 9.047                    |                                     |
| 17,200.00                                                                            | 12,099.80                    | 17,138.20                    | 11,964.84                    | 104.99                  | 107.81               | 85.89                        | 5,108.80                                   | 949.44              | 1,880.94                      | 1,670.29                       | 210.65                           | 8.929                    |                                     |
| 17,223.33                                                                            | 12,099.75                    | 17,161.53                    | 11,964.84                    | 105.41                  | 108.22               | 85.89                        | 5,132.13                                   | 949.25              | 1,880.94                      | 1,669.46                       | 211.48                           | 8.894                    |                                     |
| 17,300.00                                                                            | 12,099.60                    | 17,238.20                    | 11,964.85                    | 106.79                  | 109.55               | 85.89                        | 5,208.80                                   | 948.65              | 1,880.94                      | 1,666.74                       | 214.20                           | 8.781                    |                                     |
| 17,323.33                                                                            | 12,099.55                    | 17,261.53                    | 11,964.86                    | 107.21                  | 109.95               | 85.89                        | 5,232.12                                   | 948.47              | 1,880.94                      | 1,665.91                       | 215.03                           | 8.747                    |                                     |
| 17,400.00                                                                            | 12,099.40                    | 17,338.20                    | 11,964.86                    | 108.58                  | 111.29               | 85.90                        | 5,308.79                                   | 947.87              | 1,880.94                      | 1,663.18                       | 217.76                           | 8.638                    |                                     |
| 17,423.33                                                                            | 12,099.35                    | 17,361.53                    | 11,964.87                    | 109.01                  | 111.69               | 85.90                        | 5,332.12                                   | 947.68              | 1,880.94                      | 1,662.35                       | 218.59                           | 8.605                    |                                     |
| 17,500.00                                                                            | 12,099.20                    | 17,438.20                    | 11,964.88                    | 110.39                  | 113.03               | 85.90                        | 5,408.79                                   | 947.08              | 1,880.94                      | 1,659.61                       | 221.33                           | 8.498                    |                                     |
| 17,523.33                                                                            | 12,099.15                    | 17,461.53                    | 11,964.88                    | 110.81                  | 113.44               | 85.91                        | 5,432.12                                   | 946.90              | 1,880.94                      | 1,658.78                       | 222.16                           | 8.466                    |                                     |
| 17,600.00                                                                            | 12,099.00                    | 17,538.20                    | 11,964.89                    | 112.19                  | 114.78               | 85.91                        | 5,508.79                                   | 946.30              | 1,880.94                      | 1,656.03                       | 224.91                           | 8.363                    |                                     |
| 17,623.04                                                                            | 12,098.99                    | 17,561.25                    | 11,964.89                    | 112.61                  | 115.19               | 85.91                        | 5,531.83                                   | 946.11              | 1,880.94                      | 1,655.21                       | 225.73                           | 8.333                    |                                     |
| 17,700.00                                                                            | 12,099.60                    | 17,638.20                    | 11,964.90                    | 114.00                  | 116.54               | 85.89                        | 5,608.78                                   | 945.51              | 1,881.00                      | 1,652.51                       | 228.49                           | 8.232                    |                                     |
| 17,723.01                                                                            | 12,099.76                    | 17,661.21                    | 11,964.90                    | 114.42                  | 116.94               | 85.89                        | 5,631.79                                   | 945.33              | 1,881.01                      | 1,651.70                       | 229.31                           | 8.203                    |                                     |
| 17,800.00                                                                            | 12,100.30                    | 17,738.20                    | 11,964.91                    | 115.81                  | 118.30               | 85.87                        | 5,708.78                                   | 944.72              | 1,881.07                      | 1,648.99                       | 232.07                           | 8.106                    |                                     |
| 17,823.01                                                                            | 12,100.47                    | 17,761.21                    | 11,964.91                    | 116.23                  | 118.70               | 85.87                        | 5,731.78                                   | 944.54              | 1,881.08                      | 1,648.18                       | 232.90                           | 8.077                    |                                     |
| 17,900.00                                                                            | 12,101.01                    | 17,838.20                    | 11,964.92                    | 117.63                  | 120.06               | 85.85                        | 5,808.77                                   | 943.94              | 1,881.13                      | 1,645.47                       | 235.67                           | 7.982                    |                                     |
| 17,923.01                                                                            | 12,101.17                    | 17,861.20                    | 11,964.92                    | 118.05                  | 120.47               | 85.85                        | 5,831.78                                   | 943.76              | 1,881.15                      | 1,644.65                       | 236.49                           | 7.954                    |                                     |
| 18,000.00                                                                            | 12,101.72                    | 17,938.19                    | 11,964.93                    | 119.45                  | 121.83               | 85.83                        | 5,908.77                                   | 943.15              | 1,881.20                      | 1,641.93                       | 239.27                           | 7.862                    |                                     |
| 18,023.01                                                                            | 12,101.88                    | 17,961.20                    | 11,964.93                    | 119.87                  | 122.24               | 85.83                        | 5,931.77                                   | 942.97              | 1,881.21                      | 1,641.12                       | 240.10                           | 7.835                    |                                     |
| 18,100.00                                                                            | 12,102.42                    | 18,038.19                    | 11,964.94                    | 121.27                  | 123.61               | 85.81                        | 6,008.76                                   | 942.37              | 1,881.27                      | 1,638.39                       | 242.87                           | 7.746                    |                                     |
| 18,123.01                                                                            | 12,102.58                    | 18,061.20                    | 11,964.94                    | 121.69                  | 124.02               | 85.80                        | 6,031.77                                   | 942.19              | 1,881.28                      | 1,637.58                       | 243.70                           | 7.720                    |                                     |
| 18,200.00                                                                            | 12,103.13                    | 18,138.19                    | 11,964.95                    | 123.10                  | 125.39               | 85.79                        | 6,108.76                                   | 941.58              | 1,881.33                      | 1,634.85                       | 246.49                           | 7.633                    |                                     |
| 18,223.01                                                                            | 12,103.29                    | 18,161.20                    | 11,964.96                    | 123.52                  | 125.80               | 85.78                        | 6,131.76                                   | 941.40              | 1,881.35                      | 1,634.03                       | 247.32                           | 7.607                    |                                     |
| 18,300.00                                                                            | 12,103.83                    | 18,238.19                    | 11,964.96                    | 124.93                  | 127.17               | 85.77                        | 6,208.75                                   | 940.80              | 1,881.40                      | 1,631.30                       | 250.10                           | 7.522                    |                                     |
| 18,323.01                                                                            | 12,104.00                    | 18,261.20                    | 11,964.97                    | 125.35                  | 127.58               | 85.76                        | 6,231.76                                   | 940.62              | 1,881.42                      | 1,630.48                       | 250.94                           | 7.498                    |                                     |
| 18,400.00                                                                            | 12,104.54                    | 18,338.18                    | 11,964.97                    | 126.76                  | 128.95               | 85.75                        | 6,308.74                                   | 940.01              | 1,881.47                      | 1,627.74                       | 253.73                           | 7.415                    |                                     |
| 18,423.01                                                                            | 12,104.70                    | 18,361.19                    | 11,964.98                    | 127.18                  | 129.36               | 85.74                        | 6,331.75                                   | 939.83              | 1,881.48                      | 1,626.92                       | 254.56                           | 7.391                    |                                     |
| 18,500.00                                                                            | 12,105.24                    | 18,438.18                    | 11,964.99                    | 128.59                  | 130.74               | 85.73                        | 6,408.74                                   | 939.23              | 1,881.53                      | 1,624.18                       | 257.36                           | 7.311                    |                                     |
| 18,523.01                                                                            | 12,105.41                    | 18,461.19                    | 11,964.99                    | 129.01                  | 131.16               | 85.72                        | 6,431.75                                   | 939.05              | 1,881.55                      | 1,623.36                       | 258.19                           | 7.287                    |                                     |
| 18,600.00                                                                            | 12,105.95                    | 18,538.18                    | 11,965.00                    | 130.42                  | 132.54               | 85.70                        | 6,508.73                                   | 938.44              | 1,881.60                      | 1,620.61                       | 260.99                           | 7.209                    |                                     |
| 18,623.16                                                                            | 12,106.11                    | 18,561.34                    | 11,965.00                    | 130.85                  | 132.95               | 85.70                        | 6,531.89                                   | 938.26              | 1,881.62                      | 1,619.79                       | 261.83                           | 7.186                    |                                     |
| 18,700.00                                                                            | 12,106.66                    | 18,638.87                    | 11,965.32                    | 132.26                  | 134.34               | 85.69                        | 6,609.41                                   | 937.65              | 1,881.65                      | 1,617.01                       | 264.64                           | 7.110                    |                                     |
| 18,723.18                                                                            | 12,106.82                    | 18,662.05                    | 11,965.44                    | 132.69                  | 134.76               | 85.69                        | 6,632.60                                   | 937.47              | 1,881.66                      | 1,616.17                       | 265.49                           | 7.088                    |                                     |
| 18,800.00                                                                            | 12,107.36                    | 18,738.87                    | 11,965.82                    | 134.10                  | 136.14               | 85.69                        | 6,709.41                                   | 936.87              | 1,881.68                      | 1,613.39                       | 268.29                           | 7.014                    |                                     |
| 18,823.18                                                                            | 12,107.53                    | 18,762.05                    | 11,965.94                    | 134.53                  | 136.56               | 85.68                        | 6,732.59                                   | 936.68              | 1,881.69                      | 1,612.55                       | 269.14                           | 6.992                    |                                     |
| 18,900.00                                                                            | 12,108.07                    | 18,838.86                    | 11,966.33                    | 135.94                  | 137.94               | 85.68                        | 6,809.41                                   | 936.08              | 1,881.71                      | 1,609.77                       | 271.94                           | 6.920                    |                                     |
| 18,923.18                                                                            | 12,108.23                    | 18,862.05                    | 11,966.44                    | 136.37                  | 138.36               | 85.68                        | 6,832.59                                   | 935.90              | 1,881.72                      | 1,608.93                       | 272.79                           | 6.898                    |                                     |
| 19,000.00                                                                            | 12,108.77                    | 18,938.86                    | 11,966.83                    | 137.78                  | 139.75               | 85.67                        | 6,909.40                                   | 935.30              | 1,881.74                      | 1,606.15                       | 275.60                           | 6.828                    |                                     |
| 19,023.18                                                                            | 12,108.94                    | 18,962.05                    | 11,966.94                    | 138.21                  | 140.17               | 85.67                        | 6,932.58                                   | 935.12              | 1,881.75                      | 1,605.30                       | 276.45                           | 6.807                    |                                     |
| 19,100.00                                                                            | 12,109.48                    | 19,038.86                    | 11,967.33                    | 139.63                  | 141.56               | 85.67                        | 7,009.40                                   | 934.51              | 1,881.78                      | 1,602.52                       | 279.26                           | 6.738                    |                                     |
| 19,123.18                                                                            | 12,109.64                    | 19,062.05                    | 11,967.45                    | 140.06                  | 141.98               | 85.67                        | 7,032.58                                   | 934.33              | 1,881.78                      | 1,601.67                       | 280.11                           | 6.718                    |                                     |
| 19,200.00                                                                            | 12,110.19                    | 19,138.86                    | 11,967.83                    | 141.47                  | 143.37               | 85.66                        | 7,109.39                                   | 933.73              | 1,881.81                      | 1,598.88                       | 282.92                           | 6.651                    |                                     |
| 19,223.18                                                                            | 12,110.35                    | 19,162.05                    | 11,967.95                    | 141.90                  | 143.79               | 85.66                        | 7,132.57                                   | 933.55              | 1,881.81                      | 1,598.04                       | 283.77                           | 6.631                    |                                     |

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

## Legacy Directional Drilling

### Anticollision Report

|                           |                                |                                     |                                  |
|---------------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Matador Resources Company      | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Project:</b>           | Lea County, New Mexico (NAD27) | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Reference Site:</b>    | Nina Cortell Fed Com           | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | ST01                           | <b>Database:</b>                    | EDM5000                          |
| <b>Reference Design:</b>  | Pan 3                          | <b>Offset TVD Reference:</b>        | Offset Datum                     |

|                                                                                      |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                          |                                     |
|--------------------------------------------------------------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------|--------------------------|----------------------------------|-------------------------------|-------------------------|-----------------------------------|------------------------------------|--------------------------------------|--------------------------|-------------------------------------|
| <b>Offset Design:</b> Nina Cortell Fed Com - Nina Cortell Fed Com 134H - OH - Plan 2 |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                          | <b>Offset Site Error:</b> 0.00 usft |
| <b>Survey Program:</b> 0-MWD+IGRF                                                    |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                          | <b>Offset Well Error:</b> 0.00 usft |
| <b>Reference</b>                                                                     |                                  | <b>Offset</b>                    |                                  | <b>Semi Major Axis</b>      |                          | <b>Highside Toolface<br/>(°)</b> | <b>Offset Wellbore Centre</b> |                         | <b>Distance</b>                   |                                    | <b>Minimum Separation<br/>(usft)</b> | <b>Separation Factor</b> | <b>Warning</b>                      |
| <b>Measured Depth<br/>(usft)</b>                                                     | <b>Vertical Depth<br/>(usft)</b> | <b>Measured Depth<br/>(usft)</b> | <b>Vertical Depth<br/>(usft)</b> | <b>Reference<br/>(usft)</b> | <b>Offset<br/>(usft)</b> |                                  | <b>+N/-S<br/>(usft)</b>       | <b>+E/-W<br/>(usft)</b> | <b>Between Centres<br/>(usft)</b> | <b>Between Ellipses<br/>(usft)</b> |                                      |                          |                                     |
| 19,300.00                                                                            | 12,110.89                        | 19,238.86                        | 11,968.33                        | 143.32                      | 145.18                   | 85.66                            | 7,209.39                      | 932.94                  | 1,881.84                          | 1,595.25                           | 286.59                               | 6.566                    |                                     |
| 19,323.18                                                                            | 12,111.06                        | 19,262.05                        | 11,968.45                        | 143.75                      | 145.61                   | 85.65                            | 7,232.57                      | 932.76                  | 1,881.85                          | 1,594.40                           | 287.44                               | 6.547                    |                                     |
| 19,400.00                                                                            | 12,111.60                        | 19,338.86                        | 11,968.83                        | 145.17                      | 147.00                   | 85.65                            | 7,309.38                      | 932.16                  | 1,881.87                          | 1,591.61                           | 290.26                               | 6.483                    |                                     |
| 19,423.18                                                                            | 12,111.76                        | 19,362.05                        | 11,968.95                        | 145.60                      | 147.42                   | 85.65                            | 7,332.57                      | 931.98                  | 1,881.88                          | 1,590.76                           | 291.12                               | 6.464                    |                                     |
| 19,500.00                                                                            | 12,112.30                        | 19,438.86                        | 11,969.34                        | 147.02                      | 148.82                   | 85.64                            | 7,409.38                      | 931.37                  | 1,881.90                          | 1,587.96                           | 293.94                               | 6.402                    |                                     |
| 19,523.18                                                                            | 12,112.47                        | 19,462.05                        | 11,969.45                        | 147.45                      | 149.24                   | 85.64                            | 7,432.56                      | 931.19                  | 1,881.91                          | 1,587.12                           | 294.79                               | 6.384                    |                                     |
| 19,600.00                                                                            | 12,113.01                        | 19,538.86                        | 11,969.84                        | 148.88                      | 150.64                   | 85.64                            | 7,509.37                      | 930.59                  | 1,881.93                          | 1,584.31                           | 297.62                               | 6.323                    |                                     |
| 19,679.23                                                                            | 12,112.93                        | 19,618.09                        | 11,970.24                        | 150.35                      | 152.08                   | 85.65                            | 7,588.60                      | 929.97                  | 1,881.91                          | 1,581.37                           | 300.54                               | 6.262                    |                                     |
| 19,700.00                                                                            | 12,112.28                        | 19,638.85                        | 11,970.34                        | 150.73                      | 152.46                   | 85.67                            | 7,609.36                      | 929.80                  | 1,881.86                          | 1,580.54                           | 301.31                               | 6.246                    |                                     |
| 19,779.41                                                                            | 12,111.28                        | 19,718.25                        | 11,970.74                        | 152.21                      | 153.91                   | 85.72                            | 7,688.75                      | 929.18                  | 1,881.77                          | 1,577.51                           | 304.25                               | 6.185                    |                                     |
| 19,800.00                                                                            | 12,111.02                        | 19,738.84                        | 11,970.84                        | 152.59                      | 154.29                   | 85.73                            | 7,709.34                      | 929.02                  | 1,881.74                          | 1,576.72                           | 305.02                               | 6.169                    |                                     |
| 19,879.41                                                                            | 12,110.02                        | 19,818.23                        | 11,971.24                        | 154.06                      | 155.74                   | 85.77                            | 7,788.73                      | 928.39                  | 1,881.65                          | 1,573.69                           | 307.96                               | 6.110                    |                                     |
| 19,900.00                                                                            | 12,109.76                        | 19,838.82                        | 11,971.34                        | 154.45                      | 156.12                   | 85.78                            | 7,809.32                      | 928.23                  | 1,881.63                          | 1,572.90                           | 308.72                               | 6.095                    |                                     |
| 19,979.41                                                                            | 12,108.76                        | 19,918.22                        | 11,971.74                        | 155.92                      | 157.57                   | 85.82                            | 7,888.71                      | 927.61                  | 1,881.54                          | 1,569.87                           | 311.67                               | 6.037                    |                                     |
| 20,000.00                                                                            | 12,108.50                        | 19,938.81                        | 11,971.84                        | 156.31                      | 157.95                   | 85.84                            | 7,909.30                      | 927.45                  | 1,881.52                          | 1,569.08                           | 312.44                               | 6.022                    |                                     |
| 20,079.41                                                                            | 12,107.50                        | 20,018.20                        | 11,972.24                        | 157.78                      | 159.40                   | 85.88                            | 7,988.69                      | 926.82                  | 1,881.43                          | 1,566.04                           | 315.38                               | 5.966                    |                                     |
| 20,100.00                                                                            | 12,107.24                        | 20,038.79                        | 11,972.35                        | 158.17                      | 159.78                   | 85.89                            | 8,009.28                      | 926.66                  | 1,881.40                          | 1,565.26                           | 316.15                               | 5.951                    |                                     |
| 20,179.41                                                                            | 12,106.24                        | 20,118.19                        | 11,972.74                        | 159.65                      | 161.23                   | 85.93                            | 8,088.67                      | 926.04                  | 1,881.32                          | 1,562.22                           | 319.10                               | 5.896                    |                                     |
| 20,200.00                                                                            | 12,105.98                        | 20,138.78                        | 11,972.85                        | 160.03                      | 161.61                   | 85.94                            | 8,109.26                      | 925.88                  | 1,881.30                          | 1,561.43                           | 319.87                               | 5.882                    |                                     |
| 20,279.41                                                                            | 12,104.98                        | 20,218.17                        | 11,973.25                        | 161.51                      | 163.07                   | 85.98                            | 8,188.65                      | 925.25                  | 1,881.21                          | 1,558.39                           | 322.82                               | 5.827                    |                                     |
| 20,300.00                                                                            | 12,104.73                        | 20,238.76                        | 11,973.35                        | 161.89                      | 163.45                   | 86.00                            | 8,209.24                      | 925.09                  | 1,881.19                          | 1,557.60                           | 323.58                               | 5.814                    |                                     |
| 20,379.41                                                                            | 12,103.73                        | 20,318.16                        | 11,973.75                        | 163.37                      | 164.90                   | 86.04                            | 8,288.63                      | 924.47                  | 1,881.10                          | 1,554.56                           | 326.54                               | 5.761                    |                                     |
| 20,400.00                                                                            | 12,103.47                        | 20,338.75                        | 11,973.85                        | 163.76                      | 165.28                   | 86.05                            | 8,309.22                      | 924.31                  | 1,881.08                          | 1,553.78                           | 327.31                               | 5.747                    |                                     |
| 20,479.41                                                                            | 12,102.47                        | 20,418.14                        | 11,974.25                        | 165.24                      | 166.74                   | 86.09                            | 8,388.62                      | 923.68                  | 1,881.00                          | 1,550.73                           | 330.27                               | 5.695                    |                                     |
| 20,500.00                                                                            | 12,102.21                        | 20,438.73                        | 11,974.35                        | 165.62                      | 167.12                   | 86.10                            | 8,409.20                      | 923.52                  | 1,880.98                          | 1,549.95                           | 331.03                               | 5.682                    |                                     |
| 20,579.41                                                                            | 12,101.21                        | 20,518.13                        | 11,974.75                        | 167.10                      | 168.58                   | 86.15                            | 8,488.60                      | 922.90                  | 1,880.90                          | 1,546.90                           | 333.99                               | 5.632                    |                                     |
| 20,600.00                                                                            | 12,100.95                        | 20,538.71                        | 11,974.85                        | 167.49                      | 168.96                   | 86.16                            | 8,509.18                      | 922.74                  | 1,880.88                          | 1,546.12                           | 334.76                               | 5.619                    |                                     |
| 20,679.13                                                                            | 12,099.95                        | 20,616.56                        | 11,974.90                        | 168.97                      | 170.39                   | 86.19                            | 8,587.03                      | 922.13                  | 1,880.82                          | 1,543.13                           | 337.68                               | 5.570                    |                                     |
| 20,700.00                                                                            | 12,099.69                        | 20,637.43                        | 11,974.79                        | 169.36                      | 170.78                   | 86.19                            | 8,607.90                      | 921.96                  | 1,880.81                          | 1,542.35                           | 338.46                               | 5.557                    |                                     |
| 20,779.06                                                                            | 12,098.70                        | 20,716.49                        | 11,974.37                        | 170.83                      | 172.24                   | 86.21                            | 8,686.95                      | 921.34                  | 1,880.79                          | 1,539.38                           | 341.41                               | 5.509                    |                                     |
| 20,800.00                                                                            | 12,098.43                        | 20,737.43                        | 11,974.26                        | 171.23                      | 172.62                   | 86.21                            | 8,707.89                      | 921.18                  | 1,880.78                          | 1,538.59                           | 342.19                               | 5.496                    |                                     |
| 20,879.06                                                                            | 12,097.44                        | 20,816.48                        | 11,973.85                        | 172.70                      | 174.08                   | 86.23                            | 8,786.94                      | 920.56                  | 1,880.75                          | 1,535.62                           | 345.13                               | 5.449                    |                                     |
| 20,900.00                                                                            | 12,097.17                        | 20,837.43                        | 11,973.74                        | 173.10                      | 174.47                   | 86.24                            | 8,807.88                      | 920.39                  | 1,880.75                          | 1,534.83                           | 345.91                               | 5.437                    |                                     |
| 20,979.06                                                                            | 12,096.18                        | 20,916.48                        | 11,973.33                        | 174.57                      | 175.93                   | 86.25                            | 8,886.93                      | 919.77                  | 1,880.72                          | 1,531.86                           | 348.86                               | 5.391                    |                                     |
| 21,000.00                                                                            | 12,095.91                        | 20,937.42                        | 11,973.22                        | 174.97                      | 176.31                   | 86.26                            | 8,907.87                      | 919.61                  | 1,880.71                          | 1,531.07                           | 349.64                               | 5.379                    |                                     |
| 21,079.06                                                                            | 12,094.92                        | 21,016.48                        | 11,972.80                        | 176.45                      | 177.77                   | 86.28                            | 8,986.93                      | 918.99                  | 1,880.69                          | 1,528.10                           | 352.59                               | 5.334                    |                                     |
| 21,100.00                                                                            | 12,094.66                        | 21,037.42                        | 11,972.69                        | 176.84                      | 178.16                   | 86.28                            | 9,007.87                      | 918.82                  | 1,880.68                          | 1,527.31                           | 353.37                               | 5.322                    |                                     |
| 21,179.06                                                                            | 12,093.66                        | 21,116.48                        | 11,972.28                        | 178.32                      | 179.62                   | 86.30                            | 9,086.92                      | 918.20                  | 1,880.66                          | 1,524.33                           | 356.32                               | 5.278                    |                                     |
| 21,200.00                                                                            | 12,093.40                        | 21,137.42                        | 11,972.17                        | 178.71                      | 180.01                   | 86.30                            | 9,107.86                      | 918.04                  | 1,880.65                          | 1,523.55                           | 357.11                               | 5.266                    |                                     |
| 21,279.06                                                                            | 12,092.40                        | 21,216.47                        | 11,971.75                        | 180.19                      | 181.47                   | 86.32                            | 9,186.91                      | 917.41                  | 1,880.63                          | 1,520.57                           | 360.06                               | 5.223                    |                                     |
| 21,300.00                                                                            | 12,092.14                        | 21,237.42                        | 11,971.65                        | 180.58                      | 181.86                   | 86.33                            | 9,207.85                      | 917.25                  | 1,880.62                          | 1,519.78                           | 360.84                               | 5.212                    |                                     |
| 21,379.06                                                                            | 12,091.14                        | 21,316.47                        | 11,971.23                        | 182.06                      | 183.33                   | 86.34                            | 9,286.90                      | 916.63                  | 1,880.59                          | 1,516.80                           | 363.79                               | 5.169                    |                                     |
| 21,400.00                                                                            | 12,090.88                        | 21,337.41                        | 11,971.12                        | 182.46                      | 183.71                   | 86.35                            | 9,307.84                      | 916.46                  | 1,880.59                          | 1,516.01                           | 364.58                               | 5.158                    |                                     |
| 21,479.06                                                                            | 12,089.88                        | 21,416.47                        | 11,970.71                        | 183.94                      | 185.18                   | 86.37                            | 9,386.90                      | 915.84                  | 1,880.56                          | 1,513.03                           | 367.53                               | 5.117                    |                                     |
| 21,500.00                                                                            | 12,089.62                        | 21,437.41                        | 11,970.60                        | 184.33                      | 185.57                   | 86.37                            | 9,407.84                      | 915.68                  | 1,880.56                          | 1,512.24                           | 368.32                               | 5.106                    |                                     |
| 21,579.06                                                                            | 12,088.62                        | 21,516.47                        | 11,970.18                        | 185.81                      | 187.03                   | 86.39                            | 9,486.89                      | 915.06                  | 1,880.53                          | 1,509.26                           | 371.27                               | 5.065                    |                                     |
| 21,600.00                                                                            | 12,088.36                        | 21,537.41                        | 11,970.07                        | 186.21                      | 187.42                   | 86.39                            | 9,507.83                      | 914.89                  | 1,880.53                          | 1,508.47                           | 372.06                               | 5.054                    |                                     |
| 21,679.06                                                                            | 12,087.37                        | 21,616.46                        | 11,969.66                        | 187.69                      | 188.89                   | 86.41                            | 9,586.88                      | 914.27                  | 1,880.50                          | 1,505.49                           | 375.02                               | 5.014                    |                                     |
| 21,700.00                                                                            | 12,087.10                        | 21,637.40                        | 11,969.55                        | 188.08                      | 189.28                   | 86.42                            | 9,607.82                      | 914.11                  | 1,880.50                          | 1,504.69                           | 375.80                               | 5.004                    |                                     |
| 21,779.06                                                                            | 12,086.11                        | 21,716.46                        | 11,969.14                        | 189.57                      | 190.75                   | 86.43                            | 9,686.87                      | 913.49                  | 1,880.47                          | 1,501.71                           | 378.76                               | 4.965                    |                                     |
| 21,800.00                                                                            | 12,085.84                        | 21,737.40                        | 11,969.03                        | 189.96                      | 191.13                   | 86.44                            | 9,707.82                      | 913.32                  | 1,880.47                          | 1,500.92                           | 379.55                               | 4.955                    |                                     |
| 21,879.06                                                                            | 12,084.85                        | 21,816.46                        | 11,968.61                        | 191.45                      | 192.60                   | 86.46                            | 9,786.87                      | 912.70                  | 1,880.44                          | 1,497.93                           | 382.51                               | 4.916                    |                                     |

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

## Legacy Directional Drilling

## Anticollision Report

|                           |                                |                                     |                                  |
|---------------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Matador Resources Company      | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Project:</b>           | Lea County, New Mexico (NAD27) | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Reference Site:</b>    | Nina Cortell Fed Com           | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | ST01                           | <b>Database:</b>                    | EDM5000                          |
| <b>Reference Design:</b>  | Pan 3                          | <b>Offset TVD Reference:</b>        | Offset Datum                     |

|                                                                                      |                                      |                                      |                                      |                             |                          |                                      |                               |                         |                                       |                                        |                                          |                              |                                     |
|--------------------------------------------------------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|-----------------------------|--------------------------|--------------------------------------|-------------------------------|-------------------------|---------------------------------------|----------------------------------------|------------------------------------------|------------------------------|-------------------------------------|
| <b>Offset Design:</b> Nina Cortell Fed Com - Nina Cortell Fed Com 134H - OH - Plan 2 |                                      |                                      |                                      |                             |                          |                                      |                               |                         |                                       |                                        |                                          |                              | <b>Offset Site Error:</b> 0.00 usft |
| <b>Survey Program:</b> 0-MWD+IGRF                                                    |                                      |                                      |                                      |                             |                          |                                      |                               |                         |                                       |                                        |                                          |                              | <b>Offset Well Error:</b> 0.00 usft |
| <b>Reference</b>                                                                     |                                      | <b>Offset</b>                        |                                      | <b>Semi Major Axis</b>      |                          | <b>Highside<br/>Toolface<br/>(°)</b> | <b>Offset Wellbore Centre</b> |                         | <b>Rule Assigned:</b>                 |                                        |                                          |                              | <b>Warning</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>+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> | <b>Separation<br/>Factor</b> |                                     |
| 21,900.00                                                                            | 12,084.58                            | 21,837.40                            | 11,968.50                            | 191.84                      | 192.99                   | 86.46                                | 9,807.81                      | 912.54                  | 1,880.44                              | 1,497.14                               | 383.29                                   | 4.906                        |                                     |
| 21,979.06                                                                            | 12,083.59                            | 21,916.45                            | 11,968.09                            | 193.32                      | 194.46                   | 86.48                                | 9,886.86                      | 911.92                  | 1,880.41                              | 1,494.16                               | 386.26                                   | 4.868                        |                                     |
| 22,000.00                                                                            | 12,083.33                            | 21,937.40                            | 11,967.98                            | 193.72                      | 194.85                   | 86.48                                | 9,907.80                      | 911.75                  | 1,880.41                              | 1,493.37                               | 387.04                                   | 4.858                        |                                     |
| 22,079.06                                                                            | 12,082.33                            | 22,016.45                            | 11,967.57                            | 195.20                      | 196.32                   | 86.50                                | 9,986.85                      | 911.13                  | 1,880.38                              | 1,490.38                               | 390.00                                   | 4.821                        |                                     |
| 22,100.00                                                                            | 12,082.07                            | 22,037.39                            | 11,967.46                            | 195.60                      | 196.71                   | 86.51                                | 10,007.79                     | 910.97                  | 1,880.38                              | 1,489.59                               | 390.79                                   | 4.812                        |                                     |
| 22,179.06                                                                            | 12,081.07                            | 22,116.45                            | 11,967.04                            | 197.08                      | 198.18                   | 86.52                                | 10,086.85                     | 910.34                  | 1,880.35                              | 1,486.60                               | 393.76                                   | 4.775                        |                                     |
| 22,200.00                                                                            | 12,080.81                            | 22,137.39                            | 11,966.93                            | 197.48                      | 198.57                   | 86.53                                | 10,107.79                     | 910.18                  | 1,880.35                              | 1,485.81                               | 394.54                                   | 4.766                        |                                     |
| 22,274.61                                                                            | 12,079.87                            | 22,212.00                            | 11,966.54                            | 198.88                      | 199.96                   | 86.54                                | 10,182.39                     | 909.59                  | 1,880.33                              | 1,482.99                               | 397.34                                   | 4.732                        |                                     |
| 22,294.38                                                                            | 12,079.62                            | 22,231.77                            | 11,966.44                            | 199.25                      | 200.33                   | 86.55                                | 10,202.16                     | 909.44                  | 1,880.32                              | 1,482.24                               | 398.08                                   | 4.723 SF                     |                                     |

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



## Legacy Directional Drilling

### Anticollision Report

|                           |                                |                                     |                                  |
|---------------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Matador Resources Company      | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Project:</b>           | Lea County, New Mexico (NAD27) | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Reference Site:</b>    | Nina Cortell Fed Com           | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | ST01                           | <b>Database:</b>                    | EDM5000                          |
| <b>Reference Design:</b>  | Pan 3                          | <b>Offset TVD Reference:</b>        | Offset Datum                     |

|                                                                                  |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                          |                                     |
|----------------------------------------------------------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------|--------------------------|----------------------------------|-------------------------------|-------------------------|-----------------------------------|------------------------------------|--------------------------------------|--------------------------|-------------------------------------|
| <b>Offset Design:</b> Nina Cortell Fed Com - Nina Cortell Fed Com 203H - OH - OH |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                          | <b>Offset Site Error:</b> 0.00 usft |
| <b>Survey Program:</b> 220-MWD+IGRF                                              |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                          | <b>Offset Well Error:</b> 0.00 usft |
| <b>Reference</b>                                                                 |                                  | <b>Offset</b>                    |                                  | <b>Semi Major Axis</b>      |                          | <b>Highside Toolface<br/>(°)</b> | <b>Offset Wellbore Centre</b> |                         | <b>Distance</b>                   |                                    | <b>Minimum Separation<br/>(usft)</b> | <b>Separation Factor</b> | <b>Warning</b>                      |
| <b>Measured Depth<br/>(usft)</b>                                                 | <b>Vertical Depth<br/>(usft)</b> | <b>Measured Depth<br/>(usft)</b> | <b>Vertical Depth<br/>(usft)</b> | <b>Reference<br/>(usft)</b> | <b>Offset<br/>(usft)</b> |                                  | <b>+N/-S<br/>(usft)</b>       | <b>+E/-W<br/>(usft)</b> | <b>Between Centres<br/>(usft)</b> | <b>Between Ellipses<br/>(usft)</b> |                                      |                          |                                     |
| 3,430.00                                                                         | 3,421.92                         | 3,430.00                         | 3,421.89                         | 0.00                        | 0.00                     | 3.18                             | -43.60                        | -175.25                 | 0.29                              | 0.29                               | 0.00                                 | N/A                      |                                     |
| 3,500.00                                                                         | 3,491.75                         | 3,499.97                         | 3,491.58                         | 0.22                        | 0.30                     | 6.27                             | -41.05                        | -181.04                 | 1.82                              | 1.33                               | 0.49                                 | 3.737                    |                                     |
| 3,600.00                                                                         | 3,591.70                         | 3,599.69                         | 3,590.82                         | 0.26                        | 0.72                     | 5.38                             | -36.87                        | -189.78                 | 8.66                              | 7.77                               | 0.89                                 | 9.744                    |                                     |
| 3,700.00                                                                         | 3,691.70                         | 3,699.38                         | 3,689.97                         | 0.30                        | 1.21                     | -4.35                            | -35.06                        | -200.04                 | 17.93                             | 16.66                              | 1.26                                 | 14.216                   |                                     |
| 3,800.00                                                                         | 3,791.70                         | 3,799.35                         | 3,789.47                         | 0.35                        | 1.67                     | -80.94                           | -36.24                        | -209.50                 | 26.89                             | 25.28                              | 1.61                                 | 16.731 CC                |                                     |
| 3,900.00                                                                         | 3,891.70                         | 3,898.56                         | 3,888.25                         | 0.41                        | 2.05                     | -87.99                           | -39.22                        | -218.30                 | 35.45                             | 33.44                              | 2.01                                 | 17.645                   |                                     |
| 4,000.00                                                                         | 3,991.70                         | 3,997.35                         | 3,986.30                         | 0.48                        | 2.44                     | -95.93                           | -45.20                        | -228.71                 | 46.24                             | 43.74                              | 2.50                                 | 18.502                   |                                     |
| 4,100.00                                                                         | 4,091.70                         | 4,096.47                         | 4,084.49                         | 0.56                        | 2.83                     | -102.76                          | -53.25                        | -239.52                 | 58.36                             | 55.41                              | 2.95                                 | 19.793                   |                                     |
| 4,200.00                                                                         | 4,191.70                         | 4,197.07                         | 4,184.30                         | 0.65                        | 3.21                     | -107.06                          | -60.88                        | -249.55                 | 69.97                             | 66.57                              | 3.40                                 | 20.561                   |                                     |
| 4,300.00                                                                         | 4,291.70                         | 4,297.46                         | 4,284.17                         | 0.75                        | 3.60                     | -108.42                          | -65.61                        | -258.55                 | 79.95                             | 76.08                              | 3.87                                 | 20.658                   |                                     |
| 4,400.00                                                                         | 4,391.70                         | 4,397.93                         | 4,384.26                         | 0.85                        | 4.00                     | -108.25                          | -68.16                        | -267.02                 | 88.74                             | 84.43                              | 4.31                                 | 20.574                   |                                     |
| 4,500.00                                                                         | 4,491.70                         | 4,495.85                         | 4,481.74                         | 0.97                        | 4.37                     | -107.68                          | -70.09                        | -276.02                 | 98.10                             | 93.32                              | 4.77                                 | 20.544                   |                                     |
| 4,600.00                                                                         | 4,591.70                         | 4,595.28                         | 4,580.64                         | 1.09                        | 4.76                     | -107.01                          | -71.99                        | -286.08                 | 108.32                            | 103.08                             | 5.24                                 | 20.655                   |                                     |
| 4,700.00                                                                         | 4,691.70                         | 4,695.38                         | 4,680.24                         | 1.22                        | 5.14                     | -106.52                          | -73.94                        | -295.92                 | 118.30                            | 112.58                             | 5.71                                 | 20.714                   |                                     |
| 4,800.00                                                                         | 4,791.70                         | 4,795.84                         | 4,780.25                         | 1.36                        | 5.52                     | -106.16                          | -75.82                        | -305.10                 | 127.60                            | 121.41                             | 6.19                                 | 20.626                   |                                     |
| 4,900.00                                                                         | 4,891.70                         | 4,896.16                         | 4,880.20                         | 1.50                        | 5.90                     | -106.02                          | -77.95                        | -313.58                 | 136.30                            | 129.63                             | 6.67                                 | 20.436                   |                                     |
| 5,000.00                                                                         | 4,991.70                         | 4,994.67                         | 4,978.35                         | 1.66                        | 6.27                     | -105.90                          | -79.95                        | -321.64                 | 144.73                            | 137.56                             | 7.17                                 | 20.189                   |                                     |
| 5,100.00                                                                         | 5,091.70                         | 5,091.08                         | 5,074.23                         | 1.82                        | 6.65                     | -105.55                          | -81.79                        | -331.59                 | 155.19                            | 147.50                             | 7.69                                 | 20.186                   |                                     |
| 5,200.00                                                                         | 5,191.70                         | 5,189.60                         | 5,172.07                         | 1.99                        | 7.04                     | -105.10                          | -83.62                        | -342.98                 | 166.83                            | 158.62                             | 8.21                                 | 20.330                   |                                     |
| 5,300.00                                                                         | 5,291.70                         | 5,289.17                         | 5,270.95                         | 2.16                        | 7.44                     | -104.70                          | -85.46                        | -354.57                 | 178.54                            | 169.82                             | 8.72                                 | 20.475                   |                                     |
| 5,400.00                                                                         | 5,391.70                         | 5,389.42                         | 5,370.53                         | 2.34                        | 7.84                     | -104.36                          | -87.28                        | -365.93                 | 189.97                            | 180.73                             | 9.24                                 | 20.555                   |                                     |
| 5,500.00                                                                         | 5,491.70                         | 5,490.40                         | 5,470.92                         | 2.53                        | 8.24                     | -104.06                          | -88.97                        | -376.72                 | 200.74                            | 190.97                             | 9.77                                 | 20.540                   |                                     |
| 5,600.00                                                                         | 5,591.69                         | 5,590.76                         | 5,570.77                         | 2.72                        | 8.63                     | 0.68                             | -90.63                        | -386.74                 | 210.10                            | 199.79                             | 10.31                                | 20.378                   |                                     |
| 5,700.00                                                                         | 5,691.66                         | 5,691.60                         | 5,671.13                         | 2.92                        | 9.02                     | 0.92                             | -92.11                        | -396.49                 | 217.38                            | 206.51                             | 10.86                                | 20.013                   |                                     |
| 5,800.00                                                                         | 5,791.57                         | 5,792.59                         | 5,771.68                         | 3.12                        | 9.42                     | 1.18                             | -93.38                        | -405.72                 | 222.36                            | 210.94                             | 11.42                                | 19.470                   |                                     |
| 5,900.00                                                                         | 5,891.39                         | 5,893.42                         | 5,872.12                         | 3.34                        | 9.80                     | 1.48                             | -94.39                        | -414.54                 | 225.15                            | 213.17                             | 11.98                                | 18.787                   |                                     |
| 6,000.00                                                                         | 5,991.09                         | 5,993.97                         | 5,972.31                         | 3.58                        | 10.19                    | 1.79                             | -95.32                        | -423.04                 | 225.90                            | 213.35                             | 12.55                                | 17.996                   |                                     |
| 6,100.00                                                                         | 6,090.64                         | 6,095.23                         | 6,073.23                         | 3.82                        | 10.58                    | 2.11                             | -96.18                        | -431.16                 | 224.47                            | 211.35                             | 13.13                                | 17.099                   |                                     |
| 6,200.00                                                                         | 6,190.02                         | 6,195.58                         | 6,173.28                         | 4.08                        | 10.96                    | 2.47                             | -96.87                        | -438.89                 | 220.97                            | 207.26                             | 13.71                                | 16.121                   |                                     |
| 6,300.00                                                                         | 6,289.22                         | 6,294.63                         | 6,272.05                         | 4.34                        | 11.33                    | 2.89                             | -97.43                        | -446.36                 | 215.86                            | 201.57                             | 14.28                                | 15.115                   |                                     |
| 6,400.00                                                                         | 6,388.40                         | 6,389.68                         | 6,366.69                         | 4.61                        | 11.71                    | 3.29                             | -98.34                        | -455.15                 | 212.35                            | 197.48                             | 14.87                                | 14.277                   |                                     |
| 6,500.00                                                                         | 6,487.59                         | 6,488.34                         | 6,464.78                         | 4.90                        | 12.10                    | 3.71                             | -99.57                        | -465.63                 | 210.29                            | 194.81                             | 15.48                                | 13.584                   |                                     |
| 6,600.00                                                                         | 6,586.77                         | 6,589.16                         | 6,565.02                         | 5.19                        | 12.50                    | 4.23                             | -100.54                       | -476.38                 | 208.22                            | 192.13                             | 16.08                                | 12.945                   |                                     |
| 6,700.00                                                                         | 6,685.96                         | 6,689.62                         | 6,664.95                         | 5.48                        | 12.90                    | 4.73                             | -101.54                       | -486.67                 | 205.76                            | 189.07                             | 16.69                                | 12.327                   |                                     |
| 6,800.00                                                                         | 6,785.14                         | 6,789.57                         | 6,764.37                         | 5.78                        | 13.30                    | 4.88                             | -103.82                       | -496.66                 | 203.29                            | 185.98                             | 17.30                                | 11.748                   |                                     |
| 6,900.00                                                                         | 6,884.33                         | 6,890.19                         | 6,864.47                         | 6.08                        | 13.70                    | 4.90                             | -106.53                       | -506.53                 | 200.69                            | 182.77                             | 17.92                                | 11.198                   |                                     |
| 7,000.00                                                                         | 6,983.51                         | 6,991.12                         | 6,964.93                         | 6.39                        | 14.09                    | 4.96                             | -109.04                       | -515.97                 | 197.61                            | 179.06                             | 18.54                                | 10.656                   |                                     |
| 7,100.00                                                                         | 7,082.70                         | 7,091.80                         | 7,065.17                         | 6.71                        | 14.48                    | 5.08                             | -111.27                       | -524.99                 | 194.10                            | 174.93                             | 19.17                                | 10.126                   |                                     |
| 7,200.00                                                                         | 7,181.88                         | 7,192.14                         | 7,165.12                         | 7.02                        | 14.87                    | 5.23                             | -113.37                       | -533.70                 | 190.29                            | 170.49                             | 19.80                                | 9.612                    |                                     |
| 7,300.00                                                                         | 7,281.07                         | 7,292.78                         | 7,265.37                         | 7.35                        | 15.26                    | 5.32                             | -115.62                       | -542.15                 | 186.22                            | 165.80                             | 20.43                                | 9.116                    |                                     |
| 7,400.00                                                                         | 7,380.25                         | 7,393.99                         | 7,366.25                         | 7.67                        | 15.65                    | 5.34                             | -118.06                       | -550.05                 | 181.61                            | 160.54                             | 21.06                                | 8.622                    |                                     |
| 7,500.00                                                                         | 7,479.44                         | 7,491.60                         | 7,463.52                         | 8.00                        | 16.03                    | 5.33                             | -120.51                       | -557.80                 | 177.13                            | 155.44                             | 21.70                                | 8.164                    |                                     |
| 7,600.00                                                                         | 7,578.62                         | 7,591.46                         | 7,562.96                         | 8.34                        | 16.42                    | 5.33                             | -123.12                       | -566.54                 | 173.49                            | 151.15                             | 22.34                                | 7.767                    |                                     |
| 7,700.00                                                                         | 7,677.81                         | 7,692.70                         | 7,663.81                         | 8.67                        | 16.81                    | 5.35                             | -125.64                       | -575.00                 | 169.42                            | 146.44                             | 22.98                                | 7.371                    |                                     |
| 7,800.00                                                                         | 7,776.99                         | 7,793.11                         | 7,763.89                         | 9.01                        | 17.19                    | 5.37                             | -128.05                       | -582.84                 | 164.81                            | 141.18                             | 23.63                                | 6.975                    |                                     |
| 7,900.00                                                                         | 7,876.18                         | 7,893.39                         | 7,863.86                         | 9.36                        | 17.58                    | 5.44                             | -130.31                       | -590.45                 | 159.95                            | 135.67                             | 24.28                                | 6.588                    |                                     |
| 8,000.00                                                                         | 7,975.36                         | 7,993.54                         | 7,963.72                         | 9.71                        | 17.96                    | 5.49                             | -132.56                       | -597.70                 | 154.73                            | 129.80                             | 24.93                                | 6.207                    |                                     |
| 8,100.00                                                                         | 8,074.55                         | 8,092.77                         | 8,062.62                         | 10.05                       | 18.33                    | 5.31                             | -135.44                       | -605.16                 | 149.91                            | 124.33                             | 25.58                                | 5.860                    |                                     |
| 8,200.00                                                                         | 8,173.73                         | 8,192.93                         | 8,162.47                         | 10.41                       | 18.72                    | 5.21                             | -138.09                       | -612.56                 | 144.91                            | 118.67                             | 26.24                                | 5.523                    |                                     |
| 8,300.00                                                                         | 8,272.92                         | 8,290.63                         | 8,259.83                         | 10.76                       | 19.10                    | 5.51                             | -139.80                       | -620.46                 | 140.47                            | 113.57                             | 26.90                                | 5.222                    |                                     |
| 8,400.00                                                                         | 8,372.10                         | 8,387.74                         | 8,356.40                         | 11.12                       | 19.49                    | 6.18                             | -140.98                       | -630.71                 | 138.39                            | 110.81                             | 27.58                                | 5.018                    |                                     |
| 8,500.00                                                                         | 8,471.29                         | 8,487.93                         | 8,455.91                         | 11.48                       | 19.90                    | 6.98                             | -142.11                       | -642.19                 | 137.23                            | 108.96                             | 28.26                                | 4.855                    |                                     |

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

## Legacy Directional Drilling

### Anticollision Report

|                           |                                |                                     |                                  |
|---------------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Matador Resources Company      | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Project:</b>           | Lea County, New Mexico (NAD27) | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Reference Site:</b>    | Nina Cortell Fed Com           | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | ST01                           | <b>Database:</b>                    | EDM5000                          |
| <b>Reference Design:</b>  | Pan 3                          | <b>Offset TVD Reference:</b>        | Offset Datum                     |

|                                                                                  |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                          |                                     |
|----------------------------------------------------------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------|--------------------------|----------------------------------|-------------------------------|-------------------------|-----------------------------------|------------------------------------|--------------------------------------|--------------------------|-------------------------------------|
| <b>Offset Design:</b> Nina Cortell Fed Com - Nina Cortell Fed Com 203H - OH - OH |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                          | <b>Offset Site Error:</b> 0.00 usft |
| <b>Survey Program:</b> 220-MWD+IGRF                                              |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                          | <b>Offset Well Error:</b> 0.00 usft |
| <b>Reference</b>                                                                 |                                  | <b>Offset</b>                    |                                  | <b>Semi Major Axis</b>      |                          | <b>Highside Toolface<br/>(°)</b> | <b>Offset Wellbore Centre</b> |                         | <b>Distance</b>                   |                                    | <b>Minimum Separation<br/>(usft)</b> | <b>Separation Factor</b> | <b>Warning</b>                      |
| <b>Measured Depth<br/>(usft)</b>                                                 | <b>Vertical Depth<br/>(usft)</b> | <b>Measured Depth<br/>(usft)</b> | <b>Vertical Depth<br/>(usft)</b> | <b>Reference<br/>(usft)</b> | <b>Offset<br/>(usft)</b> |                                  | <b>+N/-S<br/>(usft)</b>       | <b>+E/-W<br/>(usft)</b> | <b>Between Centres<br/>(usft)</b> | <b>Between Ellipses<br/>(usft)</b> |                                      |                          |                                     |
| 8,600.00                                                                         | 8,570.47                         | 8,589.17                         | 8,556.57                         | 11.84                       | 20.31                    | 7.75                             | -143.30                       | -652.94                 | 135.26                            | 106.31                             | 28.94                                | 4.673                    |                                     |
| 8,700.00                                                                         | 8,669.66                         | 8,690.21                         | 8,657.12                         | 12.20                       | 20.71                    | 8.42                             | -144.66                       | -662.84                 | 132.51                            | 102.89                             | 29.63                                | 4.473                    |                                     |
| 8,800.00                                                                         | 8,768.84                         | 8,791.28                         | 8,757.78                         | 12.57                       | 21.10                    | 9.03                             | -146.15                       | -671.85                 | 128.92                            | 98.61                              | 30.31                                | 4.254                    |                                     |
| 8,900.00                                                                         | 8,868.02                         | 8,892.30                         | 8,858.45                         | 12.94                       | 21.49                    | 9.55                             | -147.81                       | -679.96                 | 124.46                            | 93.47                              | 30.99                                | 4.016                    |                                     |
| 9,000.00                                                                         | 8,967.21                         | 8,990.46                         | 8,956.28                         | 13.31                       | 21.87                    | 9.80                             | -150.07                       | -687.78                 | 120.01                            | 88.34                              | 31.67                                | 3.789                    |                                     |
| 9,100.00                                                                         | 9,066.39                         | 9,091.41                         | 9,056.79                         | 13.68                       | 22.27                    | 9.79                             | -153.01                       | -696.61                 | 116.39                            | 84.03                              | 32.36                                | 3.597                    |                                     |
| 9,200.00                                                                         | 9,165.58                         | 9,191.01                         | 9,156.04                         | 14.05                       | 22.65                    | 10.01                            | -155.42                       | -704.68                 | 112.09                            | 79.05                              | 33.05                                | 3.392                    |                                     |
| 9,300.00                                                                         | 9,264.76                         | 9,292.80                         | 9,257.52                         | 14.43                       | 23.05                    | 10.95                            | -156.54                       | -712.47                 | 107.24                            | 73.49                              | 33.75                                | 3.178                    |                                     |
| 9,400.00                                                                         | 9,363.95                         | 9,390.51                         | 9,354.92                         | 14.81                       | 23.42                    | 11.72                            | -158.01                       | -720.09                 | 102.60                            | 68.12                              | 34.47                                | 2.976                    |                                     |
| 9,500.00                                                                         | 9,463.13                         | 9,491.42                         | 9,455.46                         | 15.19                       | 23.81                    | 11.89                            | -160.73                       | -728.21                 | 98.27                             | 63.09                              | 35.17                                | 2.794                    |                                     |
| 9,600.00                                                                         | 9,562.32                         | 9,590.19                         | 9,553.86                         | 15.57                       | 24.21                    | 12.52                            | -162.68                       | -736.60                 | 94.36                             | 58.48                              | 35.88                                | 2.630                    |                                     |
| 9,700.00                                                                         | 9,661.50                         | 9,690.82                         | 9,654.12                         | 15.95                       | 24.60                    | 13.59                            | -164.06                       | -745.01                 | 90.30                             | 53.70                              | 36.60                                | 2.467                    |                                     |
| 9,800.00                                                                         | 9,760.69                         | 9,790.08                         | 9,753.00                         | 16.33                       | 24.99                    | 14.49                            | -165.83                       | -753.54                 | 86.52                             | 49.21                              | 37.32                                | 2.318                    |                                     |
| 9,900.00                                                                         | 9,859.87                         | 9,889.89                         | 9,852.38                         | 16.71                       | 25.39                    | 14.83                            | -168.53                       | -762.49                 | 83.14                             | 45.11                              | 38.02                                | 2.186                    |                                     |
| 10,000.00                                                                        | 9,959.06                         | 9,990.16                         | 9,952.20                         | 17.10                       | 25.78                    | 15.02                            | -171.48                       | -771.49                 | 79.77                             | 41.04                              | 38.73                                | 2.060                    |                                     |
| 10,100.00                                                                        | 10,058.24                        | 10,090.14                        | 10,051.78                        | 17.49                       | 26.17                    | 15.23                            | -174.44                       | -779.78                 | 75.71                             | 36.27                              | 39.43                                | 1.920                    |                                     |
| 10,200.00                                                                        | 10,157.43                        | 10,190.01                        | 10,151.21                        | 17.87                       | 26.56                    | 15.31                            | -177.58                       | -788.68                 | 72.26                             | 32.13                              | 40.13                                | 1.801                    |                                     |
| 10,300.00                                                                        | 10,256.61                        | 10,289.67                        | 10,250.46                        | 18.26                       | 26.96                    | 15.57                            | -180.52                       | -797.17                 | 68.43                             | 27.59                              | 40.84                                | 1.675                    |                                     |
| 10,400.00                                                                        | 10,355.80                        | 10,390.01                        | 10,350.34                        | 18.65                       | 27.35                    | 15.97                            | -183.32                       | -806.35                 | 65.23                             | 23.67                              | 41.56                                | 1.570                    |                                     |
| 10,500.00                                                                        | 10,454.98                        | 10,490.23                        | 10,450.21                        | 19.04                       | 27.74                    | 16.66                            | -185.91                       | -814.32                 | 60.84                             | 18.55                              | 42.30                                | 1.438 Level 3            |                                     |
| 10,600.00                                                                        | 10,554.17                        | 10,589.46                        | 10,549.07                        | 19.44                       | 28.13                    | 17.93                            | -187.97                       | -822.64                 | 56.94                             | 13.87                              | 43.07                                | 1.322 Level 3            |                                     |
| 10,700.00                                                                        | 10,653.47                        | 10,689.16                        | 10,648.29                        | 19.82                       | 28.52                    | 18.38                            | -190.59                       | -832.09                 | 55.06                             | 11.27                              | 43.79                                | 1.257 Level 3            |                                     |
| 10,800.00                                                                        | 10,752.97                        | 10,789.70                        | 10,748.35                        | 20.19                       | 28.92                    | 17.89                            | -193.60                       | -841.39                 | 54.58                             | 10.12                              | 44.46                                | 1.228 Level 3            |                                     |
| 10,900.00                                                                        | 10,852.63                        | 10,891.23                        | 10,849.53                        | 20.55                       | 29.31                    | 16.05                            | -197.47                       | -848.86                 | 53.86                             | 8.81                               | 45.06                                | 1.195 Level 3            |                                     |
| 11,000.00                                                                        | 10,952.41                        | 10,991.62                        | 10,949.68                        | 20.89                       | 29.68                    | 13.54                            | -201.46                       | -854.34                 | 52.99                             | 7.35                               | 45.64                                | 1.161 Level 3            |                                     |
| 11,100.00                                                                        | 11,052.30                        | 11,093.09                        | 11,051.05                        | 21.22                       | 30.04                    | 11.99                            | -204.07                       | -857.99                 | 51.99                             | 5.74                               | 46.25                                | 1.124 Level 3            |                                     |
| 11,200.00                                                                        | 11,152.25                        | 11,193.33                        | 11,151.25                        | 21.54                       | 30.38                    | 11.27                            | -205.44                       | -860.18                 | 51.25                             | 4.34                               | 46.91                                | 1.093 Level 3            |                                     |
| 11,285.10                                                                        | 11,237.34                        | 11,279.07                        | 11,236.99                        | 21.79                       | 30.67                    | 11.02                            | -205.97                       | -861.24                 | 51.14                             | 3.68                               | 47.46                                | 1.078 Level 3            |                                     |
| 11,300.00                                                                        | 11,252.24                        | 11,294.01                        | 11,251.92                        | 21.84                       | 30.72                    | 11.00                            | -206.00                       | -861.34                 | 51.16                             | 3.60                               | 47.56                                | 1.076 Level 3            |                                     |
| 11,400.00                                                                        | 11,352.24                        | 11,394.28                        | 11,352.20                        | 22.12                       | 31.05                    | -94.17                           | -206.62                       | -861.68                 | 51.49                             | 3.32                               | 48.17                                | 1.069 Level 3            |                                     |
| 11,400.45                                                                        | 11,352.69                        | 11,394.74                        | 11,352.65                        | 22.12                       | 31.05                    | -94.18                           | -206.63                       | -861.68                 | 51.49                             | 3.31                               | 48.18                                | 1.069 Level 3, ES, SF    |                                     |
| 11,500.00                                                                        | 11,452.24                        | 11,468.00                        | 11,425.91                        | 22.39                       | 31.28                    | -95.21                           | -207.55                       | -861.61                 | 57.84                             | 10.16                              | 47.68                                | 1.213 Level 3            |                                     |
| 11,600.00                                                                        | 11,552.10                        | 11,468.00                        | 11,425.91                        | 22.71                       | 31.28                    | -79.36                           | -207.55                       | -861.61                 | 136.34                            | 95.06                              | 41.28                                | 3.303                    |                                     |
| 11,700.00                                                                        | 11,650.49                        | 11,468.00                        | 11,425.91                        | 23.06                       | 31.28                    | -56.51                           | -207.55                       | -861.61                 | 231.37                            | 191.06                             | 40.30                                | 5.741                    |                                     |
| 11,800.00                                                                        | 11,745.50                        | 11,468.00                        | 11,425.91                        | 23.40                       | 31.28                    | -35.67                           | -207.55                       | -861.61                 | 327.85                            | 287.36                             | 40.49                                | 8.096                    |                                     |
| 11,900.00                                                                        | 11,834.80                        | 11,468.00                        | 11,425.91                        | 23.69                       | 31.28                    | -21.37                           | -207.55                       | -861.61                 | 423.31                            | 382.21                             | 41.10                                | 10.299                   |                                     |
| 12,000.00                                                                        | 11,915.02                        | 11,468.00                        | 11,425.91                        | 24.04                       | 31.28                    | -13.93                           | -207.55                       | -861.61                 | 516.02                            | 474.09                             | 41.93                                | 12.307                   |                                     |
| 12,100.00                                                                        | 11,983.70                        | 11,468.00                        | 11,425.91                        | 24.33                       | 31.28                    | -9.91                            | -207.55                       | -861.61                 | 605.05                            | 562.08                             | 42.96                                | 14.083                   |                                     |
| 12,200.00                                                                        | 12,038.74                        | 11,468.00                        | 11,425.91                        | 24.55                       | 31.28                    | -7.52                            | -207.55                       | -861.61                 | 689.62                            | 645.48                             | 44.14                                | 15.622                   |                                     |
| 12,300.00                                                                        | 12,078.48                        | 11,468.00                        | 11,425.91                        | 24.72                       | 31.28                    | -5.98                            | -207.55                       | -861.61                 | 769.05                            | 723.60                             | 45.45                                | 16.922                   |                                     |
| 12,400.00                                                                        | 12,101.70                        | 11,468.00                        | 11,425.91                        | 25.49                       | 31.28                    | -4.95                            | -207.55                       | -861.61                 | 842.69                            | 795.84                             | 46.85                                | 17.985                   |                                     |
| 12,500.00                                                                        | 12,107.84                        | 11,468.00                        | 11,425.91                        | 26.43                       | 31.28                    | -4.30                            | -207.55                       | -861.61                 | 910.08                            | 861.83                             | 48.26                                | 18.860                   |                                     |
| 12,600.00                                                                        | 12,107.31                        | 11,468.00                        | 11,425.91                        | 27.39                       | 31.28                    | -4.05                            | -207.55                       | -861.61                 | 978.59                            | 929.13                             | 49.46                                | 19.785                   |                                     |
| 12,700.00                                                                        | 12,106.79                        | 11,468.00                        | 11,425.91                        | 28.36                       | 31.28                    | -1.86                            | -207.55                       | -861.61                 | 1,052.23                          | 1,001.74                           | 50.50                                | 20.837                   |                                     |
| 12,800.00                                                                        | 12,106.27                        | 11,468.00                        | 11,425.91                        | 29.34                       | 31.28                    | 0.63                             | -207.55                       | -861.61                 | 1,130.01                          | 1,078.62                           | 51.39                                | 21.990                   |                                     |
| 12,900.00                                                                        | 12,105.75                        | 11,468.00                        | 11,425.91                        | 30.28                       | 31.28                    | 1.84                             | -207.55                       | -861.61                 | 1,211.04                          | 1,158.88                           | 52.15                                | 23.222                   |                                     |
| 13,000.00                                                                        | 12,105.23                        | 11,468.00                        | 11,425.91                        | 31.24                       | 31.28                    | 1.84                             | -207.55                       | -861.61                 | 1,294.72                          | 1,241.91                           | 52.81                                | 24.518                   |                                     |
| 13,100.00                                                                        | 12,104.71                        | 11,468.00                        | 11,425.91                        | 32.22                       | 31.28                    | 1.84                             | -207.55                       | -861.61                 | 1,380.57                          | 1,327.19                           | 53.38                                | 25.862                   |                                     |
| 13,200.00                                                                        | 12,104.19                        | 11,468.00                        | 11,425.91                        | 33.23                       | 31.28                    | 1.84                             | -207.55                       | -861.61                 | 1,468.22                          | 1,414.39                           | 53.82                                | 27.279                   |                                     |
| 13,300.00                                                                        | 12,103.67                        | 11,468.00                        | 11,425.91                        | 34.28                       | 31.28                    | 1.84                             | -207.55                       | -861.61                 | 1,557.35                          | 1,503.17                           | 54.19                                | 28.741                   |                                     |
| 13,400.00                                                                        | 12,103.14                        | 11,468.00                        | 11,425.91                        | 35.35                       | 31.28                    | 1.84                             | -207.55                       | -861.61                 | 1,647.73                          | 1,593.23                           | 54.50                                | 30.231                   |                                     |
| 13,500.00                                                                        | 12,102.62                        | 11,468.00                        | 11,425.91                        | 36.46                       | 31.28                    | 1.84                             | -207.55                       | -861.61                 | 1,739.17                          | 1,684.39                           | 54.78                                | 31.746                   |                                     |

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

## Legacy Directional Drilling

### Anticollision Report

|                           |                                |                                     |                                  |
|---------------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Matador Resources Company      | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Project:</b>           | Lea County, New Mexico (NAD27) | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Reference Site:</b>    | Nina Cortell Fed Com           | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | ST01                           | <b>Database:</b>                    | EDM5000                          |
| <b>Reference Design:</b>  | Pan 3                          | <b>Offset TVD Reference:</b>        | Offset Datum                     |

|                                                                                  |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                          |                                     |
|----------------------------------------------------------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------|--------------------------|----------------------------------|-------------------------------|-------------------------|-----------------------------------|------------------------------------|--------------------------------------|--------------------------|-------------------------------------|
| <b>Offset Design:</b> Nina Cortell Fed Com - Nina Cortell Fed Com 203H - OH - OH |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                          | <b>Offset Site Error:</b> 0.00 usft |
| <b>Survey Program:</b> 220-MWD+IGRF                                              |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                          | <b>Offset Well Error:</b> 0.00 usft |
| <b>Reference</b>                                                                 |                                  | <b>Offset</b>                    |                                  | <b>Semi Major Axis</b>      |                          | <b>Highside Toolface<br/>(°)</b> | <b>Offset Wellbore Centre</b> |                         | <b>Rule Assigned:</b>             |                                    |                                      |                          | <b>Warning</b>                      |
| <b>Measured Depth<br/>(usft)</b>                                                 | <b>Vertical Depth<br/>(usft)</b> | <b>Measured Depth<br/>(usft)</b> | <b>Vertical Depth<br/>(usft)</b> | <b>Reference<br/>(usft)</b> | <b>Offset<br/>(usft)</b> |                                  | <b>+N/-S<br/>(usft)</b>       | <b>+E/-W<br/>(usft)</b> | <b>Between Centres<br/>(usft)</b> | <b>Between Ellipses<br/>(usft)</b> | <b>Minimum Separation<br/>(usft)</b> | <b>Separation Factor</b> |                                     |
| 13,600.00                                                                        | 12,102.10                        | 11,468.00                        | 11,425.91                        | 37.59                       | 31.28                    | 1.84                             | -207.55                       | -861.61                 | 1,831.50                          | 1,776.47                           | 55.03                                | 33.282                   |                                     |
| 13,700.00                                                                        | 12,102.07                        | 11,468.00                        | 11,425.91                        | 38.76                       | 31.28                    | 1.85                             | -207.55                       | -861.61                 | 1,924.77                          | 1,869.52                           | 55.25                                | 34.839                   |                                     |
| 13,800.00                                                                        | 12,102.07                        | 11,468.00                        | 11,425.91                        | 39.96                       | 31.28                    | 1.85                             | -207.55                       | -861.61                 | 2,018.69                          | 1,963.25                           | 55.44                                | 36.411                   |                                     |
| 13,900.00                                                                        | 12,102.06                        | 11,468.00                        | 11,425.91                        | 41.19                       | 31.28                    | 1.85                             | -207.55                       | -861.61                 | 2,113.18                          | 2,057.56                           | 55.62                                | 37.995                   |                                     |
| 14,000.00                                                                        | 12,102.06                        | 11,468.00                        | 11,425.91                        | 42.45                       | 31.28                    | 1.85                             | -207.55                       | -861.61                 | 2,208.14                          | 2,152.37                           | 55.78                                | 39.589                   |                                     |
| 14,100.00                                                                        | 12,102.06                        | 11,468.00                        | 11,425.91                        | 43.75                       | 31.28                    | 1.85                             | -207.55                       | -861.61                 | 2,303.54                          | 2,247.62                           | 55.92                                | 41.192                   |                                     |
| 14,200.00                                                                        | 12,102.05                        | 11,468.00                        | 11,425.91                        | 45.07                       | 31.28                    | 1.85                             | -207.55                       | -861.61                 | 2,399.31                          | 2,343.25                           | 56.06                                | 42.802                   |                                     |

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

## Legacy Directional Drilling

### Anticollision Report

|                           |                                |                                     |                                  |
|---------------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Matador Resources Company      | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Project:</b>           | Lea County, New Mexico (NAD27) | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Reference Site:</b>    | Nina Cortell Fed Com           | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | ST01                           | <b>Database:</b>                    | EDM5000                          |
| <b>Reference Design:</b>  | Pan 3                          | <b>Offset TVD Reference:</b>        | Offset Datum                     |

|                                                                                  |                              |                              |                              |                               |                      |                     |                     |                     |                               |                                |                          |                           |           |
|----------------------------------------------------------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|----------------------|---------------------|---------------------|---------------------|-------------------------------|--------------------------------|--------------------------|---------------------------|-----------|
| <b>Offset Design:</b> Nina Cortell Fed Com - Nina Cortell Fed Com 204H - OH - OH |                              |                              |                              |                               |                      |                     |                     |                     |                               |                                |                          | <b>Offset Site Error:</b> | 0.00 usft |
| <b>Survey Program:</b> 220-MWD+IGRF                                              |                              |                              |                              |                               |                      |                     |                     |                     |                               |                                |                          | <b>Offset Well Error:</b> | 0.00 usft |
| <b>Reference</b>                                                                 | <b>Offset</b>                | <b>Semi Major Axis</b>       | <b>Highside</b>              | <b>Offset Wellbore Centre</b> |                      | <b>Distance</b>     |                     | <b>Minimum</b>      | <b>Separation</b>             | <b>Warning</b>                 |                          |                           |           |
| <b>Measured Depth (usft)</b>                                                     | <b>Vertical Depth (usft)</b> | <b>Measured Depth (usft)</b> | <b>Vertical Depth (usft)</b> | <b>Reference (usft)</b>       | <b>Offset (usft)</b> | <b>Toolface (°)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Between Centres (usft)</b> | <b>Between Ellipses (usft)</b> | <b>Separation (usft)</b> | <b>Factor</b>             |           |
| 0.00                                                                             | 0.00                         | 0.00                         | 0.00                         | 0.00                          | 0.00                 | 0.00                | 30.00               | 0.00                | 30.00                         |                                |                          |                           |           |
| 100.00                                                                           | 100.00                       | 100.21                       | 100.21                       | 0.60                          | 0.73                 | -77.81              | 29.65               | 0.33                | 29.60                         | 28.53                          | 1.07                     | 27.725                    |           |
| 200.00                                                                           | 200.00                       | 200.40                       | 200.39                       | 1.43                          | 1.45                 | -77.22              | 28.60               | 1.32                | 28.40                         | 26.14                          | 2.26                     | 12.566                    |           |
| 300.00                                                                           | 299.99                       | 300.42                       | 300.38                       | 1.95                          | 1.96                 | -87.75              | 27.08               | 2.80                | 26.76                         | 23.62                          | 3.14                     | 8.520                     |           |
| 400.00                                                                           | 399.98                       | 400.35                       | 400.29                       | 2.23                          | 2.25                 | -102.02             | 25.67               | 4.35                | 25.51                         | 21.76                          | 3.76                     | 6.789                     |           |
| 500.00                                                                           | 499.98                       | 500.28                       | 500.21                       | 2.50                          | 2.54                 | -107.54             | 24.52               | 5.81                | 24.68                         | 20.30                          | 4.39                     | 5.626                     |           |
| 600.00                                                                           | 599.98                       | 600.18                       | 600.09                       | 2.71                          | 2.84                 | 156.62              | 23.75               | 6.89                | 24.19                         | 19.21                          | 4.97                     | 4.863                     |           |
| 631.39                                                                           | 631.37                       | 631.55                       | 631.46                       | 2.79                          | 2.94                 | 146.93              | 23.59               | 7.08                | 24.15                         | 19.00                          | 5.15                     | 4.689 CC                  |           |
| 700.00                                                                           | 699.97                       | 700.11                       | 700.02                       | 2.97                          | 3.13                 | 141.24              | 23.35               | 7.25                | 24.37                         | 18.84                          | 5.52                     | 4.411 ES                  |           |
| 800.00                                                                           | 799.97                       | 800.02                       | 799.94                       | 3.28                          | 3.38                 | 134.07              | 23.34               | 7.17                | 25.13                         | 19.07                          | 6.05                     | 4.151                     |           |
| 900.00                                                                           | 899.96                       | 900.00                       | 899.91                       | 3.61                          | 3.70                 | 131.62              | 23.59               | 6.77                | 26.17                         | 19.52                          | 6.66                     | 3.932                     |           |
| 1,000.00                                                                         | 999.95                       | 1,000.00                     | 999.91                       | 3.93                          | 4.00                 | 128.98              | 23.81               | 6.27                | 27.03                         | 19.74                          | 7.29                     | 3.709                     |           |
| 1,100.00                                                                         | 1,099.95                     | 1,099.92                     | 1,099.84                     | 4.23                          | 4.30                 | 73.36               | 24.07               | 6.43                | 27.56                         | 19.62                          | 7.95                     | 3.469                     |           |
| 1,200.00                                                                         | 1,199.91                     | 1,199.77                     | 1,199.67                     | 4.91                          | 4.61                 | 91.49               | 24.48               | 7.27                | 28.02                         | 19.38                          | 8.64                     | 3.244 SF                  |           |
| 1,300.00                                                                         | 1,299.60                     | 1,299.26                     | 1,299.15                     | 6.12                          | 4.94                 | 118.19              | 25.12               | 8.56                | 31.47                         | 22.49                          | 8.98                     | 3.505                     |           |
| 1,400.00                                                                         | 1,399.03                     | 1,398.03                     | 1,397.88                     | 6.64                          | 5.29                 | 133.05              | 25.28               | 11.27               | 39.73                         | 30.08                          | 9.65                     | 4.118                     |           |
| 1,500.00                                                                         | 1,498.48                     | 1,496.08                     | 1,495.81                     | 6.92                          | 5.70                 | 147.60              | 24.87               | 16.14               | 51.84                         | 41.23                          | 10.61                    | 4.887                     |           |
| 1,600.00                                                                         | 1,597.95                     | 1,593.97                     | 1,593.45                     | 7.22                          | 6.12                 | 157.63              | 23.73               | 23.02               | 67.02                         | 55.46                          | 11.56                    | 5.797                     |           |
| 1,700.00                                                                         | 1,697.46                     | 1,692.89                     | 1,692.04                     | 7.54                          | 6.49                 | 170.63              | 21.24               | 30.72               | 83.25                         | 70.81                          | 12.44                    | 6.693                     |           |
| 1,800.00                                                                         | 1,797.03                     | 1,793.67                     | 1,792.54                     | 7.92                          | 6.86                 | -176.56             | 17.55               | 37.27               | 98.15                         | 84.91                          | 13.24                    | 7.413                     |           |
| 1,900.00                                                                         | 1,896.62                     | 1,894.71                     | 1,893.42                     | 8.26                          | 7.28                 | -173.46             | 13.89               | 41.57               | 110.74                        | 96.73                          | 14.00                    | 7.908                     |           |
| 2,000.00                                                                         | 1,996.27                     | 1,994.69                     | 1,993.30                     | 8.58                          | 7.64                 | -170.72             | 10.64               | 44.58               | 121.63                        | 106.91                         | 14.72                    | 8.263                     |           |
| 2,100.00                                                                         | 2,095.92                     | 2,092.81                     | 2,091.28                     | 8.91                          | 8.00                 | -165.82             | 6.76                | 47.85               | 132.67                        | 117.24                         | 15.43                    | 8.599                     |           |
| 2,200.00                                                                         | 2,195.48                     | 2,189.55                     | 2,187.77                     | 9.24                          | 8.42                 | -162.69             | 1.55                | 52.51               | 146.02                        | 129.88                         | 16.14                    | 9.046                     |           |
| 2,300.00                                                                         | 2,295.04                     | 2,287.56                     | 2,285.40                     | 9.58                          | 8.80                 | -158.52             | -4.66               | 58.44               | 160.48                        | 143.61                         | 16.87                    | 9.512                     |           |
| 2,400.00                                                                         | 2,394.64                     | 2,387.60                     | 2,385.06                     | 9.92                          | 9.14                 | -155.23             | -11.05              | 64.47               | 174.47                        | 156.86                         | 17.61                    | 9.907                     |           |
| 2,500.00                                                                         | 2,494.30                     | 2,488.39                     | 2,485.56                     | 10.26                         | 9.49                 | -152.37             | -16.63              | 69.66               | 186.82                        | 168.48                         | 18.34                    | 10.186                    |           |
| 2,600.00                                                                         | 2,594.03                     | 2,587.71                     | 2,584.65                     | 10.60                         | 9.83                 | -148.81             | -21.39              | 74.44               | 198.00                        | 178.95                         | 19.05                    | 10.395                    |           |
| 2,700.00                                                                         | 2,693.69                     | 2,687.51                     | 2,684.24                     | 10.95                         | 10.18                | -156.49             | -25.78              | 79.11               | 209.95                        | 190.16                         | 19.79                    | 10.608                    |           |
| 2,800.00                                                                         | 2,793.29                     | 2,786.96                     | 2,783.50                     | 11.32                         | 10.53                | -150.83             | -30.00              | 83.47               | 222.32                        | 201.80                         | 20.53                    | 10.831                    |           |
| 2,900.00                                                                         | 2,892.94                     | 2,884.69                     | 2,881.00                     | 11.67                         | 10.87                | -141.98             | -34.91              | 88.09               | 234.00                        | 212.78                         | 21.22                    | 11.028                    |           |
| 3,000.00                                                                         | 2,992.67                     | 2,981.76                     | 2,977.77                     | 12.02                         | 11.22                | -139.03             | -40.31              | 93.53               | 245.00                        | 223.09                         | 21.91                    | 11.182                    |           |
| 3,100.00                                                                         | 3,092.51                     | 3,079.21                     | 3,074.88                     | 12.38                         | 11.57                | -160.13             | -45.36              | 99.90               | 256.46                        | 233.84                         | 22.62                    | 11.337                    |           |
| 3,200.00                                                                         | 3,192.31                     | 3,179.09                     | 3,174.44                     | 12.75                         | 11.94                | -169.13             | -49.29              | 106.78              | 269.42                        | 246.06                         | 23.35                    | 11.536                    |           |
| 3,300.00                                                                         | 3,292.16                     | 3,279.42                     | 3,274.56                     | 13.10                         | 12.31                | 177.39              | -50.96              | 113.06              | 281.20                        | 257.13                         | 24.07                    | 11.682                    |           |
| 3,400.00                                                                         | 3,391.99                     | 3,373.89                     | 3,368.81                     | 13.47                         | 12.65                | 160.06              | -50.92              | 119.46              | 293.54                        | 268.79                         | 24.75                    | 11.859                    |           |
| 3,500.00                                                                         | 3,491.75                     | 3,465.90                     | 3,460.42                     | 13.78                         | 12.98                | 159.35              | -49.64              | 127.87              | 309.01                        | 283.62                         | 25.38                    | 12.173                    |           |
| 3,600.00                                                                         | 3,591.70                     | 3,562.50                     | 3,556.44                     | 13.81                         | 13.35                | 159.26              | -47.99              | 138.36              | 322.50                        | 296.72                         | 25.78                    | 12.510                    |           |
| 3,700.00                                                                         | 3,691.70                     | 3,666.04                     | 3,659.40                     | 13.85                         | 13.77                | 159.33              | -48.04              | 149.23              | 333.92                        | 307.71                         | 26.21                    | 12.741                    |           |
| 3,800.00                                                                         | 3,791.70                     | 3,770.37                     | 3,763.30                     | 13.90                         | 14.18                | 91.60               | -50.02              | 158.46              | 342.81                        | 316.16                         | 26.65                    | 12.863                    |           |
| 3,900.00                                                                         | 3,891.70                     | 3,872.99                     | 3,865.57                     | 13.95                         | 14.56                | 92.07               | -53.07              | 166.40              | 350.64                        | 323.55                         | 27.09                    | 12.944                    |           |
| 4,000.00                                                                         | 3,991.70                     | 3,976.42                     | 3,968.73                     | 14.02                         | 14.94                | 92.42               | -55.52              | 173.51              | 357.60                        | 330.06                         | 27.54                    | 12.986                    |           |
| 4,100.00                                                                         | 4,091.70                     | 4,079.35                     | 4,071.46                     | 14.09                         | 15.31                | 92.65               | -57.25              | 179.60              | 363.59                        | 335.60                         | 27.98                    | 12.993                    |           |
| 4,200.00                                                                         | 4,191.70                     | 4,181.97                     | 4,173.92                     | 14.18                         | 15.69                | 92.97               | -59.54              | 184.79              | 368.75                        | 340.31                         | 28.44                    | 12.967                    |           |
| 4,300.00                                                                         | 4,291.70                     | 4,282.49                     | 4,274.31                     | 14.27                         | 16.05                | 93.21               | -61.35              | 189.48              | 373.51                        | 344.63                         | 28.88                    | 12.932                    |           |
| 4,400.00                                                                         | 4,391.70                     | 4,383.33                     | 4,375.05                     | 14.37                         | 16.41                | 93.24               | -61.79              | 193.94              | 377.95                        | 348.62                         | 29.33                    | 12.885                    |           |
| 4,500.00                                                                         | 4,491.70                     | 4,482.47                     | 4,474.08                     | 14.48                         | 16.76                | 93.24               | -62.05              | 198.52              | 382.57                        | 352.79                         | 29.78                    | 12.846                    |           |
| 4,600.00                                                                         | 4,591.70                     | 4,585.29                     | 4,576.82                     | 14.60                         | 17.14                | 93.30               | -62.69              | 202.86              | 386.83                        | 356.57                         | 30.26                    | 12.784                    |           |
| 4,700.00                                                                         | 4,691.70                     | 4,687.95                     | 4,679.40                     | 14.73                         | 17.51                | 93.60               | -64.96              | 206.26              | 390.26                        | 359.51                         | 30.75                    | 12.692                    |           |
| 4,800.00                                                                         | 4,791.70                     | 4,789.01                     | 4,780.35                     | 14.86                         | 17.88                | 94.09               | -68.51              | 209.05              | 393.25                        | 362.00                         | 31.25                    | 12.585                    |           |
| 4,900.00                                                                         | 4,891.70                     | 4,889.72                     | 4,880.97                     | 15.00                         | 18.23                | 94.57               | -72.02              | 211.61              | 396.05                        | 364.30                         | 31.75                    | 12.474                    |           |
| 5,000.00                                                                         | 4,991.70                     | 4,989.63                     | 4,980.78                     | 15.15                         | 18.59                | 95.04               | -75.47              | 214.01              | 398.73                        | 366.48                         | 32.26                    | 12.361                    |           |

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

## Legacy Directional Drilling

### Anticollision Report

|                           |                                |                                     |                                  |
|---------------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Matador Resources Company      | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Project:</b>           | Lea County, New Mexico (NAD27) | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Reference Site:</b>    | Nina Cortell Fed Com           | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | ST01                           | <b>Database:</b>                    | EDM5000                          |
| <b>Reference Design:</b>  | Pan 3                          | <b>Offset TVD Reference:</b>        | Offset Datum                     |

|                                                                                  |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                          |                                     |
|----------------------------------------------------------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------|--------------------------|----------------------------------|-------------------------------|-------------------------|-----------------------------------|------------------------------------|--------------------------------------|--------------------------|-------------------------------------|
| <b>Offset Design:</b> Nina Cortell Fed Com - Nina Cortell Fed Com 204H - OH - OH |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                          | <b>Offset Site Error:</b> 0.00 usft |
| <b>Survey Program:</b> 220-MWD+IGRF                                              |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                          | <b>Offset Well Error:</b> 0.00 usft |
| <b>Reference</b>                                                                 |                                  | <b>Offset</b>                    |                                  | <b>Semi Major Axis</b>      |                          | <b>Highside Toolface<br/>(°)</b> | <b>Offset Wellbore Centre</b> |                         | <b>Distance</b>                   |                                    | <b>Minimum Separation<br/>(usft)</b> | <b>Separation Factor</b> | <b>Warning</b>                      |
| <b>Measured Depth<br/>(usft)</b>                                                 | <b>Vertical Depth<br/>(usft)</b> | <b>Measured Depth<br/>(usft)</b> | <b>Vertical Depth<br/>(usft)</b> | <b>Reference<br/>(usft)</b> | <b>Offset<br/>(usft)</b> |                                  | <b>+N/-S<br/>(usft)</b>       | <b>+E/-W<br/>(usft)</b> | <b>Between Centres<br/>(usft)</b> | <b>Between Ellipses<br/>(usft)</b> |                                      |                          |                                     |
| 5,100.00                                                                         | 5,091.70                         | 5,089.57                         | 5,080.64                         | 15.30                       | 18.94                    | 95.49                            | -78.84                        | 216.47                  | 401.50                            | 368.72                             | 32.77                                | 12.251                   |                                     |
| 5,200.00                                                                         | 5,191.70                         | 5,189.53                         | 5,180.52                         | 15.47                       | 19.29                    | 95.92                            | -82.16                        | 218.90                  | 404.25                            | 370.96                             | 33.29                                | 12.142                   |                                     |
| 5,300.00                                                                         | 5,291.70                         | 5,290.22                         | 5,281.12                         | 15.63                       | 19.65                    | 96.35                            | -85.47                        | 221.28                  | 406.95                            | 373.12                             | 33.82                                | 12.031                   |                                     |
| 5,400.00                                                                         | 5,391.70                         | 5,391.37                         | 5,382.20                         | 15.81                       | 20.01                    | 96.77                            | -88.72                        | 223.41                  | 409.41                            | 375.05                             | 34.36                                | 11.914                   |                                     |
| 5,500.00                                                                         | 5,491.70                         | 5,490.68                         | 5,481.45                         | 15.99                       | 20.36                    | 97.15                            | -91.71                        | 225.52                  | 411.89                            | 376.99                             | 34.90                                | 11.802                   |                                     |
| 5,600.00                                                                         | 5,591.69                         | 5,591.45                         | 5,582.15                         | 16.18                       | 20.71                    | -157.98                          | -94.73                        | 227.51                  | 414.90                            | 379.45                             | 35.45                                | 11.703                   |                                     |
| 5,700.00                                                                         | 5,691.66                         | 5,691.00                         | 5,681.63                         | 16.38                       | 21.06                    | -157.72                          | -97.71                        | 229.48                  | 419.56                            | 383.55                             | 36.01                                | 11.651                   |                                     |
| 5,800.00                                                                         | 5,791.57                         | 5,791.65                         | 5,782.22                         | 16.58                       | 21.42                    | -157.53                          | -100.87                       | 231.42                  | 425.80                            | 389.22                             | 36.58                                | 11.641                   |                                     |
| 5,900.00                                                                         | 5,891.39                         | 5,887.88                         | 5,878.39                         | 16.80                       | 21.77                    | -157.43                          | -103.81                       | 233.24                  | 433.60                            | 396.47                             | 37.13                                | 11.678                   |                                     |
| 6,000.00                                                                         | 5,991.09                         | 5,980.44                         | 5,970.85                         | 17.03                       | 22.12                    | -157.50                          | -106.19                       | 236.54                  | 444.58                            | 406.92                             | 37.66                                | 11.805                   |                                     |
| 6,100.00                                                                         | 6,090.64                         | 6,077.50                         | 6,067.77                         | 17.27                       | 22.49                    | -157.67                          | -108.60                       | 241.07                  | 458.24                            | 420.02                             | 38.22                                | 11.990                   |                                     |
| 6,200.00                                                                         | 6,190.02                         | 6,176.72                         | 6,166.86                         | 17.53                       | 22.85                    | -157.89                          | -111.19                       | 245.62                  | 473.45                            | 434.66                             | 38.80                                | 12.203                   |                                     |
| 6,300.00                                                                         | 6,289.22                         | 6,275.73                         | 6,265.73                         | 17.78                       | 23.21                    | -158.21                          | -113.60                       | 250.19                  | 489.99                            | 450.63                             | 39.36                                | 12.448                   |                                     |
| 6,400.00                                                                         | 6,388.40                         | 6,373.85                         | 6,363.72                         | 18.04                       | 23.57                    | -158.52                          | -116.09                       | 254.61                  | 506.58                            | 466.65                             | 39.94                                | 12.685                   |                                     |
| 6,500.00                                                                         | 6,487.59                         | 6,473.51                         | 6,463.25                         | 18.31                       | 23.94                    | -158.85                          | -118.34                       | 259.21                  | 523.27                            | 482.74                             | 40.53                                | 12.911                   |                                     |
| 6,600.00                                                                         | 6,586.77                         | 6,574.01                         | 6,563.65                         | 18.60                       | 24.30                    | -159.22                          | -120.01                       | 263.53                  | 539.59                            | 498.46                             | 41.13                                | 13.119                   |                                     |
| 6,700.00                                                                         | 6,685.96                         | 6,673.38                         | 6,662.92                         | 18.88                       | 24.67                    | -159.57                          | -121.57                       | 267.56                  | 555.69                            | 513.96                             | 41.73                                | 13.317                   |                                     |
| 6,800.00                                                                         | 6,785.14                         | 6,773.61                         | 6,763.06                         | 19.18                       | 25.03                    | -159.90                          | -123.19                       | 271.45                  | 571.64                            | 529.31                             | 42.34                                | 13.503                   |                                     |
| 6,900.00                                                                         | 6,884.33                         | 6,871.80                         | 6,861.16                         | 19.47                       | 25.39                    | -160.21                          | -124.71                       | 275.14                  | 587.48                            | 544.54                             | 42.94                                | 13.682                   |                                     |
| 7,000.00                                                                         | 6,983.51                         | 6,973.46                         | 6,962.75                         | 19.78                       | 25.75                    | -160.52                          | -126.16                       | 278.81                  | 603.18                            | 559.62                             | 43.56                                | 13.847                   |                                     |
| 7,100.00                                                                         | 7,082.70                         | 7,072.79                         | 7,062.02                         | 20.08                       | 26.11                    | -160.81                          | -127.55                       | 282.09                  | 618.58                            | 574.41                             | 44.17                                | 14.003                   |                                     |
| 7,200.00                                                                         | 7,181.88                         | 7,173.45                         | 7,162.62                         | 20.40                       | 26.48                    | -161.07                          | -129.14                       | 285.18                  | 633.79                            | 588.99                             | 44.80                                | 14.148                   |                                     |
| 7,300.00                                                                         | 7,281.07                         | 7,272.88                         | 7,261.99                         | 20.71                       | 26.83                    | -161.33                          | -130.66                       | 288.04                  | 648.82                            | 603.40                             | 45.42                                | 14.285                   |                                     |
| 7,400.00                                                                         | 7,380.25                         | 7,372.39                         | 7,361.45                         | 21.03                       | 27.19                    | -161.56                          | -132.19                       | 290.86                  | 663.82                            | 617.77                             | 46.05                                | 14.416                   |                                     |
| 7,500.00                                                                         | 7,479.44                         | 7,473.78                         | 7,462.79                         | 21.36                       | 27.56                    | -161.77                          | -134.01                       | 293.37                  | 678.49                            | 631.80                             | 46.69                                | 14.533                   |                                     |
| 7,600.00                                                                         | 7,578.62                         | 7,572.49                         | 7,561.46                         | 21.68                       | 27.91                    | -161.97                          | -135.70                       | 295.71                  | 693.05                            | 645.74                             | 47.32                                | 14.647                   |                                     |
| 7,700.00                                                                         | 7,677.81                         | 7,672.56                         | 7,661.49                         | 22.02                       | 28.27                    | -162.15                          | -137.62                       | 298.06                  | 707.62                            | 659.66                             | 47.95                                | 14.756                   |                                     |
| 7,800.00                                                                         | 7,776.99                         | 7,772.56                         | 7,761.45                         | 22.35                       | 28.63                    | -162.30                          | -139.80                       | 300.08                  | 721.88                            | 673.28                             | 48.60                                | 14.854                   |                                     |
| 7,900.00                                                                         | 7,876.18                         | 7,872.64                         | 7,861.48                         | 22.69                       | 28.99                    | -162.45                          | -141.84                       | 302.16                  | 736.20                            | 686.95                             | 49.24                                | 14.950                   |                                     |
| 8,000.00                                                                         | 7,975.36                         | 7,972.19                         | 7,961.00                         | 23.03                       | 29.35                    | -162.58                          | -144.07                       | 303.89                  | 750.19                            | 700.31                             | 49.89                                | 15.037                   |                                     |
| 8,100.00                                                                         | 8,074.55                         | 8,072.24                         | 8,061.00                         | 23.38                       | 29.70                    | -162.71                          | -146.30                       | 305.72                  | 764.28                            | 713.74                             | 50.54                                | 15.122                   |                                     |
| 8,200.00                                                                         | 8,173.73                         | 8,168.94                         | 8,157.66                         | 23.72                       | 30.05                    | -162.81                          | -148.71                       | 307.36                  | 778.25                            | 727.07                             | 51.18                                | 15.206                   |                                     |
| 8,300.00                                                                         | 8,272.92                         | 8,267.48                         | 8,256.15                         | 24.07                       | 30.40                    | -162.92                          | -150.91                       | 309.41                  | 792.59                            | 740.76                             | 51.83                                | 15.292                   |                                     |
| 8,400.00                                                                         | 8,372.10                         | 8,360.54                         | 8,349.18                         | 24.43                       | 30.74                    | -163.11                          | -151.92                       | 311.57                  | 807.13                            | 754.68                             | 52.45                                | 15.388                   |                                     |
| 8,500.00                                                                         | 8,471.29                         | 8,457.79                         | 8,446.38                         | 24.78                       | 31.10                    | -163.38                          | -151.74                       | 314.55                  | 822.37                            | 769.28                             | 53.09                                | 15.489                   |                                     |
| 8,600.00                                                                         | 8,570.47                         | 8,559.28                         | 8,547.83                         | 25.14                       | 31.46                    | -163.67                          | -151.43                       | 317.49                  | 837.46                            | 783.71                             | 53.75                                | 15.579                   |                                     |
| 8,700.00                                                                         | 8,669.66                         | 8,661.13                         | 8,649.64                         | 25.50                       | 31.81                    | -163.94                          | -151.08                       | 320.07                  | 852.21                            | 797.79                             | 54.42                                | 15.660                   |                                     |
| 8,800.00                                                                         | 8,768.84                         | 8,762.63                         | 8,751.12                         | 25.86                       | 32.17                    | -164.20                          | -150.92                       | 322.30                  | 866.65                            | 811.56                             | 55.08                                | 15.733                   |                                     |
| 8,900.00                                                                         | 8,868.02                         | 8,869.06                         | 8,857.54                         | 26.23                       | 32.54                    | -164.39                          | -151.73                       | 323.99                  | 880.51                            | 824.74                             | 55.77                                | 15.788                   |                                     |
| 9,000.00                                                                         | 8,967.21                         | 8,970.62                         | 8,959.07                         | 26.59                       | 32.90                    | -164.50                          | -153.49                       | 324.95                  | 893.75                            | 837.31                             | 56.44                                | 15.834                   |                                     |
| 9,100.00                                                                         | 9,066.39                         | 9,062.42                         | 9,050.84                         | 26.96                       | 33.23                    | -164.54                          | -156.00                       | 326.04                  | 907.26                            | 850.18                             | 57.08                                | 15.894                   |                                     |
| 9,200.00                                                                         | 9,165.58                         | 9,146.18                         | 9,134.51                         | 27.33                       | 33.53                    | -164.54                          | -158.97                       | 328.17                  | 922.11                            | 864.43                             | 57.69                                | 15.985                   |                                     |
| 9,300.00                                                                         | 9,264.76                         | 9,243.44                         | 9,231.63                         | 27.70                       | 33.88                    | -164.50                          | -162.92                       | 331.44                  | 937.79                            | 879.43                             | 58.36                                | 16.069                   |                                     |
| 9,400.00                                                                         | 9,363.95                         | 9,331.00                         | 9,319.04                         | 28.08                       | 34.21                    | -164.44                          | -166.84                       | 334.87                  | 954.04                            | 895.06                             | 58.98                                | 16.175                   |                                     |
| 9,500.00                                                                         | 9,463.13                         | 9,425.00                         | 9,412.86                         | 28.45                       | 34.56                    | -164.42                          | -170.51                       | 339.34                  | 971.09                            | 911.45                             | 59.64                                | 16.283                   |                                     |
| 9,600.00                                                                         | 9,562.32                         | 9,521.59                         | 9,509.28                         | 28.83                       | 34.91                    | -164.45                          | -173.32                       | 344.40                  | 988.60                            | 928.29                             | 60.31                                | 16.393                   |                                     |
| 9,700.00                                                                         | 9,661.50                         | 9,625.20                         | 9,612.73                         | 29.21                       | 35.30                    | -164.53                          | -175.60                       | 349.65                  | 1,005.94                          | 944.92                             | 61.01                                | 16.487                   |                                     |
| 9,800.00                                                                         | 9,760.69                         | 9,727.77                         | 9,715.16                         | 29.59                       | 35.67                    | -164.61                          | -177.82                       | 354.37                  | 1,022.81                          | 961.09                             | 61.72                                | 16.573                   |                                     |
| 9,900.00                                                                         | 9,859.87                         | 9,828.79                         | 9,816.05                         | 29.97                       | 36.05                    | -164.64                          | -180.67                       | 358.75                  | 1,039.43                          | 977.02                             | 62.41                                | 16.655                   |                                     |
| 10,000.00                                                                        | 9,959.06                         | 9,929.81                         | 9,916.97                         | 30.35                       | 36.42                    | -164.71                          | -182.95                       | 362.76                  | 1,055.67                          | 992.57                             | 63.11                                | 16.729                   |                                     |
| 10,100.00                                                                        | 10,058.24                        | 10,025.03                        | 10,012.09                        | 30.74                       | 36.76                    | -164.79                          | -184.66                       | 366.75                  | 1,072.14                          | 1,008.37                           | 63.77                                | 16.813                   |                                     |
| 10,200.00                                                                        | 10,157.43                        | 10,127.85                        | 10,114.81                        | 31.12                       | 37.14                    | -164.90                          | -186.15                       | 371.06                  | 1,088.62                          | 1,024.15                           | 64.47                                | 16.885                   |                                     |

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



## Legacy Directional Drilling

### Anticollision Report

|                           |                                |                                     |                                  |
|---------------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Matador Resources Company      | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Project:</b>           | Lea County, New Mexico (NAD27) | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Reference Site:</b>    | Nina Cortell Fed Com           | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | ST01                           | <b>Database:</b>                    | EDM5000                          |
| <b>Reference Design:</b>  | Pan 3                          | <b>Offset TVD Reference:</b>        | Offset Datum                     |

|                                                                                  |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                                  |                          |                                     |
|----------------------------------------------------------------------------------|------------------------------|------------------------------|------------------------------|-------------------------|----------------------|------------------------------|-------------------------------|---------------------|-------------------------------|--------------------------------|----------------------------------|--------------------------|-------------------------------------|
| <b>Offset Design:</b> Nina Cortell Fed Com - Nina Cortell Fed Com 204H - OH - OH |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                                  |                          | <b>Offset Site Error:</b> 0.00 usft |
| <b>Survey Program:</b> 220-MWD+IGRF                                              |                              |                              |                              |                         |                      |                              |                               |                     |                               |                                |                                  |                          | <b>Offset Well Error:</b> 0.00 usft |
| <b>Reference</b>                                                                 |                              | <b>Offset</b>                |                              | <b>Semi Major Axis</b>  |                      |                              | <b>Offset Wellbore Centre</b> |                     | <b>Distance</b>               |                                |                                  |                          | <b>Warning</b>                      |
| <b>Measured Depth (usft)</b>                                                     | <b>Vertical Depth (usft)</b> | <b>Measured Depth (usft)</b> | <b>Vertical Depth (usft)</b> | <b>Reference (usft)</b> | <b>Offset (usft)</b> | <b>Highside Toolface (°)</b> | <b>+N/-S (usft)</b>           | <b>+E/-W (usft)</b> | <b>Between Centres (usft)</b> | <b>Between Ellipses (usft)</b> | <b>Minimum Separation (usft)</b> | <b>Separation Factor</b> |                                     |
| 10,300.00                                                                        | 10,256.61                    | 10,232.14                    | 10,219.02                    | 31.51                   | 37.52                | -165.00                      | -187.57                       | 374.76              | 1,104.45                      | 1,039.26                       | 65.18                            | 16.944                   |                                     |
| 10,400.00                                                                        | 10,355.80                    | 10,331.12                    | 10,317.93                    | 31.90                   | 37.88                | -165.10                      | -189.00                       | 378.10              | 1,120.11                      | 1,054.25                       | 65.87                            | 17.006                   |                                     |
| 10,500.00                                                                        | 10,454.98                    | 10,428.55                    | 10,415.29                    | 32.29                   | 38.23                | -165.21                      | -190.07                       | 381.43              | 1,135.83                      | 1,069.28                       | 66.54                            | 17.069                   |                                     |
| 10,600.00                                                                        | 10,554.17                    | 10,527.39                    | 10,514.07                    | 32.68                   | 38.59                | -165.33                      | -191.04                       | 384.91              | 1,151.64                      | 1,084.42                       | 67.23                            | 17.131                   |                                     |
| 10,700.00                                                                        | 10,653.47                    | 10,621.94                    | 10,608.55                    | 33.05                   | 38.93                | -165.45                      | -192.17                       | 388.30              | 1,166.57                      | 1,098.69                       | 67.88                            | 17.185                   |                                     |
| 10,800.00                                                                        | 10,752.97                    | 10,718.91                    | 10,705.44                    | 33.42                   | 39.28                | -165.56                      | -193.01                       | 392.20              | 1,180.26                      | 1,111.70                       | 68.56                            | 17.215                   |                                     |
| 10,900.00                                                                        | 10,852.63                    | 10,825.47                    | 10,811.91                    | 33.78                   | 39.67                | -165.62                      | -194.50                       | 396.25              | 1,192.06                      | 1,122.78                       | 69.28                            | 17.206                   |                                     |
| 11,000.00                                                                        | 10,952.41                    | 10,930.89                    | 10,917.26                    | 34.12                   | 40.05                | -165.63                      | -196.53                       | 399.57              | 1,201.52                      | 1,131.52                       | 70.00                            | 17.165                   |                                     |
| 11,100.00                                                                        | 11,052.30                    | 11,031.10                    | 11,017.42                    | 34.45                   | 40.42                | -165.63                      | -198.12                       | 402.47              | 1,209.05                      | 1,138.36                       | 70.69                            | 17.104                   |                                     |
| 11,200.00                                                                        | 11,152.25                    | 11,148.13                    | 11,134.40                    | 34.77                   | 40.83                | -165.65                      | -198.87                       | 405.41              | 1,214.57                      | 1,143.13                       | 71.44                            | 17.002                   |                                     |
| 11,300.00                                                                        | 11,252.24                    | 11,289.45                    | 11,275.71                    | 35.07                   | 41.30                | -165.68                      | -198.75                       | 404.23              | 1,214.74                      | 1,142.52                       | 72.22                            | 16.820                   |                                     |
| 11,400.00                                                                        | 11,352.24                    | 11,388.51                    | 11,374.72                    | 35.35                   | 41.62                | 89.71                        | -196.79                       | 402.09              | 1,212.65                      | 1,139.81                       | 72.83                            | 16.649                   |                                     |
| 11,500.00                                                                        | 11,452.24                    | 11,472.41                    | 11,458.01                    | 35.62                   | 42.14                | 89.26                        | -187.18                       | 401.28              | 1,211.73                      | 1,138.33                       | 73.40                            | 16.509                   |                                     |
| 11,534.32                                                                        | 11,486.55                    | 11,505.16                    | 11,490.04                    | 35.72                   | 42.41                | 94.58                        | -180.42                       | 401.05              | 1,211.65                      | 1,138.06                       | 73.59                            | 16.465                   |                                     |
| 11,600.00                                                                        | 11,552.10                    | 11,554.97                    | 11,537.94                    | 35.93                   | 42.99                | 94.00                        | -166.79                       | 400.89              | 1,212.11                      | 1,138.20                       | 73.91                            | 16.399                   |                                     |
| 11,700.00                                                                        | 11,650.49                    | 11,622.82                    | 11,601.00                    | 36.24                   | 43.78                | 93.06                        | -141.88                       | 401.70              | 1,215.77                      | 1,141.43                       | 74.35                            | 16.353                   |                                     |
| 11,800.00                                                                        | 11,745.50                    | 11,695.60                    | 11,665.48                    | 36.54                   | 44.07                | 91.94                        | -108.27                       | 404.33              | 1,223.13                      | 1,148.39                       | 74.74                            | 16.365                   |                                     |
| 11,900.00                                                                        | 11,834.80                    | 11,812.25                    | 11,762.83                    | 36.77                   | 44.41                | 90.56                        | -44.26                        | 407.32              | 1,230.81                      | 1,155.53                       | 75.28                            | 16.349                   |                                     |
| 12,000.00                                                                        | 11,915.02                    | 11,912.00                    | 11,837.82                    | 37.03                   | 44.62                | 89.44                        | 21.44                         | 408.01              | 1,237.95                      | 1,162.19                       | 75.76                            | 16.340                   |                                     |
| 12,100.00                                                                        | 11,983.70                    | 12,006.00                    | 11,901.20                    | 37.23                   | 44.88                | 88.62                        | 90.76                         | 408.50              | 1,245.69                      | 1,169.43                       | 76.26                            | 16.334                   |                                     |
| 12,200.00                                                                        | 12,038.74                    | 12,094.79                    | 11,954.45                    | 37.37                   | 45.14                | 88.10                        | 161.80                        | 409.08              | 1,253.94                      | 1,177.13                       | 76.81                            | 16.324                   |                                     |
| 12,300.00                                                                        | 12,078.48                    | 12,222.06                    | 12,027.17                    | 37.48                   | 45.31                | 88.59                        | 266.23                        | 407.66              | 1,260.31                      | 1,182.66                       | 77.65                            | 16.230                   |                                     |
| 12,400.00                                                                        | 12,101.70                    | 12,306.24                    | 12,070.31                    | 37.61                   | 45.44                | 89.13                        | 338.45                        | 405.78              | 1,266.21                      | 1,187.82                       | 78.39                            | 16.153                   |                                     |
| 12,500.00                                                                        | 12,107.84                    | 12,383.00                    | 12,101.82                    | 37.82                   | 45.59                | 89.70                        | 408.39                        | 405.28              | 1,274.42                      | 1,195.29                       | 79.14                            | 16.104                   |                                     |
| 12,600.00                                                                        | 12,107.31                    | 12,437.74                    | 12,119.13                    | 38.15                   | 45.67                | 90.49                        | 460.29                        | 406.05              | 1,285.37                      | 1,205.52                       | 79.85                            | 16.097                   |                                     |
| 12,700.00                                                                        | 12,106.79                    | 12,525.17                    | 12,137.56                    | 38.61                   | 45.76                | 91.34                        | 545.63                        | 408.90              | 1,296.59                      | 1,215.74                       | 80.85                            | 16.036                   |                                     |
| 12,800.00                                                                        | 12,106.27                    | 12,638.51                    | 12,143.02                    | 39.22                   | 45.90                | 91.60                        | 658.68                        | 412.40              | 1,303.94                      | 1,221.73                       | 82.21                            | 15.861                   |                                     |
| 12,900.00                                                                        | 12,105.75                    | 12,754.67                    | 12,138.18                    | 39.90                   | 46.29                | 91.42                        | 774.71                        | 415.02              | 1,307.25                      | 1,223.54                       | 83.71                            | 15.616                   |                                     |
| 12,904.45                                                                        | 12,105.73                    | 12,759.90                    | 12,137.97                    | 39.93                   | 46.32                | 91.41                        | 779.93                        | 415.10              | 1,307.35                      | 1,223.57                       | 83.78                            | 15.604                   |                                     |
| 13,000.00                                                                        | 12,105.23                    | 12,871.99                    | 12,133.50                    | 40.68                   | 46.99                | 91.23                        | 891.92                        | 416.04              | 1,308.84                      | 1,223.43                       | 85.41                            | 15.325                   |                                     |
| 13,004.45                                                                        | 12,105.20                    | 12,876.71                    | 12,133.32                    | 40.72                   | 47.02                | 91.23                        | 896.64                        | 416.05              | 1,308.89                      | 1,223.40                       | 85.48                            | 15.311                   |                                     |
| 13,100.00                                                                        | 12,104.71                    | 12,975.39                    | 12,130.06                    | 41.55                   | 47.74                | 91.11                        | 995.27                        | 416.08              | 1,309.63                      | 1,222.51                       | 87.13                            | 15.031                   |                                     |
| 13,104.45                                                                        | 12,104.68                    | 12,979.66                    | 12,129.92                    | 41.59                   | 47.78                | 91.10                        | 999.54                        | 416.08              | 1,309.66                      | 1,222.46                       | 87.20                            | 15.018                   |                                     |
| 13,200.00                                                                        | 12,104.19                    | 13,073.07                    | 12,126.77                    | 42.50                   | 48.53                | 90.98                        | 1,092.89                      | 416.20              | 1,310.50                      | 1,221.59                       | 88.91                            | 14.739                   |                                     |
| 13,204.45                                                                        | 12,104.16                    | 13,077.62                    | 12,126.65                    | 42.55                   | 48.57                | 90.98                        | 1,097.44                      | 416.21              | 1,310.54                      | 1,221.54                       | 89.00                            | 14.725                   |                                     |
| 13,300.00                                                                        | 12,103.67                    | 13,180.07                    | 12,125.39                    | 43.52                   | 49.47                | 90.95                        | 1,199.88                      | 416.16              | 1,311.27                      | 1,220.34                       | 90.93                            | 14.420                   |                                     |
| 13,400.00                                                                        | 12,103.14                    | 13,297.14                    | 12,123.24                    | 44.60                   | 50.57                | 90.88                        | 1,316.92                      | 414.95              | 1,311.03                      | 1,217.82                       | 93.21                            | 14.065                   |                                     |
| 13,500.00                                                                        | 12,102.62                    | 13,396.22                    | 12,119.68                    | 45.74                   | 51.56                | 90.75                        | 1,415.92                      | 413.14              | 1,309.96                      | 1,214.58                       | 95.38                            | 13.733                   |                                     |
| 13,600.00                                                                        | 12,102.10                    | 13,481.87                    | 12,115.98                    | 46.93                   | 52.47                | 90.61                        | 1,501.49                      | 412.16              | 1,309.59                      | 1,212.13                       | 97.46                            | 13.437                   |                                     |
| 13,604.45                                                                        | 12,102.08                    | 13,485.56                    | 12,115.86                    | 46.98                   | 52.50                | 90.60                        | 1,505.18                      | 412.14              | 1,309.60                      | 1,212.05                       | 97.55                            | 13.425                   |                                     |
| 13,700.00                                                                        | 12,102.07                    | 13,558.94                    | 12,114.27                    | 48.16                   | 53.31                | 90.53                        | 1,578.53                      | 412.32              | 1,310.63                      | 1,211.16                       | 99.47                            | 13.176                   |                                     |
| 13,800.00                                                                        | 12,102.07                    | 13,641.04                    | 12,114.19                    | 49.44                   | 54.24                | 90.53                        | 1,660.61                      | 414.12              | 1,313.58                      | 1,211.97                       | 101.61                           | 12.927                   |                                     |
| 13,900.00                                                                        | 12,102.06                    | 13,743.37                    | 12,114.81                    | 50.76                   | 55.43                | 90.55                        | 1,762.91                      | 416.52              | 1,316.75                      | 1,212.59                       | 104.16                           | 12.642                   |                                     |
| 14,000.00                                                                        | 12,102.06                    | 13,839.76                    | 12,115.03                    | 52.11                   | 56.59                | 90.56                        | 1,859.27                      | 418.99              | 1,320.12                      | 1,213.45                       | 106.67                           | 12.375                   |                                     |
| 14,100.00                                                                        | 12,102.06                    | 13,943.31                    | 12,116.91                    | 53.50                   | 57.88                | 90.64                        | 1,962.76                      | 421.64              | 1,323.53                      | 1,214.14                       | 109.39                           | 12.100                   |                                     |
| 14,200.00                                                                        | 12,102.05                    | 14,073.39                    | 12,119.90                    | 54.92                   | 59.55                | 90.77                        | 2,092.79                      | 423.56              | 1,325.93                      | 1,213.27                       | 112.65                           | 11.770                   |                                     |
| 14,204.45                                                                        | 12,102.05                    | 14,079.88                    | 12,120.08                    | 54.98                   | 59.63                | 90.78                        | 2,099.28                      | 423.56              | 1,325.96                      | 1,213.15                       | 112.81                           | 11.754                   |                                     |
| 14,300.00                                                                        | 12,102.05                    | 14,175.00                    | 12,121.87                    | 56.37                   | 60.89                | 90.86                        | 2,194.38                      | 423.04              | 1,326.26                      | 1,210.77                       | 115.48                           | 11.484                   |                                     |
| 14,304.45                                                                        | 12,102.05                    | 14,187.61                    | 12,121.95                    | 56.43                   | 61.06                | 90.86                        | 2,207.00                      | 422.94              | 1,326.22                      | 1,210.46                       | 115.76                           | 11.457                   |                                     |
| 14,400.00                                                                        | 12,102.05                    | 14,268.00                    | 12,120.73                    | 57.84                   | 62.16                | 90.81                        | 2,287.37                      | 423.25              | 1,327.28                      | 1,209.07                       | 118.22                           | 11.228                   |                                     |
| 14,404.45                                                                        | 12,102.05                    | 14,268.00                    | 12,120.73                    | 57.91                   | 62.16                | 90.81                        | 2,287.37                      | 423.25              | 1,327.35                      | 1,209.09                       | 118.26                           | 11.224                   |                                     |
| 14,500.00                                                                        | 12,102.05                    | 14,359.10                    | 12,117.53                    | 59.34                   | 63.42                | 90.67                        | 2,378.40                      | 424.46              | 1,329.34                      | 1,208.38                       | 120.96                           | 10.990                   |                                     |

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

## Legacy Directional Drilling

### Anticollision Report

|                           |                                |                                     |                                  |
|---------------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Matador Resources Company      | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Project:</b>           | Lea County, New Mexico (NAD27) | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Reference Site:</b>    | Nina Cortell Fed Com           | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | ST01                           | <b>Database:</b>                    | EDM5000                          |
| <b>Reference Design:</b>  | Pan 3                          | <b>Offset TVD Reference:</b>        | Offset Datum                     |

|                                                                                  |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                          |                                     |
|----------------------------------------------------------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------|--------------------------|----------------------------------|-------------------------------|-------------------------|-----------------------------------|------------------------------------|--------------------------------------|--------------------------|-------------------------------------|
| <b>Offset Design:</b> Nina Cortell Fed Com - Nina Cortell Fed Com 204H - OH - OH |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                          | <b>Offset Site Error:</b> 0.00 usft |
| <b>Survey Program:</b> 220-MWD+IGRF                                              |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                          | <b>Offset Well Error:</b> 0.00 usft |
| <b>Reference</b>                                                                 |                                  | <b>Offset</b>                    |                                  | <b>Semi Major Axis</b>      |                          | <b>Highside Toolface<br/>(°)</b> | <b>Offset Wellbore Centre</b> |                         | <b>Distance</b>                   |                                    | <b>Minimum Separation<br/>(usft)</b> | <b>Separation Factor</b> | <b>Warning</b>                      |
| <b>Measured Depth<br/>(usft)</b>                                                 | <b>Vertical Depth<br/>(usft)</b> | <b>Measured Depth<br/>(usft)</b> | <b>Vertical Depth<br/>(usft)</b> | <b>Reference<br/>(usft)</b> | <b>Offset<br/>(usft)</b> |                                  | <b>+N/-S<br/>(usft)</b>       | <b>+E/-W<br/>(usft)</b> | <b>Between Centres<br/>(usft)</b> | <b>Between Ellipses<br/>(usft)</b> |                                      |                          |                                     |
| 14,600.00                                                                        | 12,102.04                        | 14,461.64                        | 12,115.30                        | 60.87                       | 64.86                    | 90.57                            | 2,480.91                      | 425.58                  | 1,331.23                          | 1,207.26                           | 123.97                               | 10.739                   |                                     |
| 14,700.00                                                                        | 12,102.04                        | 14,559.17                        | 12,114.45                        | 62.41                       | 66.25                    | 90.53                            | 2,578.43                      | 426.75                  | 1,333.24                          | 1,206.32                           | 126.92                               | 10.505                   |                                     |
| 14,800.00                                                                        | 12,102.04                        | 14,683.37                        | 12,113.56                        | 63.97                       | 68.06                    | 90.50                            | 2,702.62                      | 426.78                  | 1,334.00                          | 1,203.56                           | 130.44                               | 10.227                   |                                     |
| 14,900.00                                                                        | 12,102.03                        | 14,878.48                        | 12,113.83                        | 65.55                       | 71.01                    | 90.51                            | 2,897.52                      | 421.46                  | 1,333.49                          | 1,198.24                           | 135.25                               | 9.859                    |                                     |
| 15,000.00                                                                        | 12,102.03                        | 14,994.98                        | 12,116.41                        | 67.15                       | 72.97                    | 90.62                            | 3,013.35                      | 409.94                  | 1,324.18                          | 1,185.32                           | 138.87                               | 9.536                    |                                     |
| 15,100.00                                                                        | 12,102.03                        | 15,097.80                        | 12,116.23                        | 68.77                       | 74.64                    | 90.62                            | 3,115.80                      | 401.43                  | 1,316.75                          | 1,174.56                           | 142.19                               | 9.261                    |                                     |
| 15,200.00                                                                        | 12,102.03                        | 15,160.83                        | 12,119.37                        | 70.40                       | 75.64                    | 90.76                            | 3,178.52                      | 396.11                  | 1,309.37                          | 1,164.52                           | 144.85                               | 9.040                    |                                     |
| 15,300.00                                                                        | 12,102.02                        | 15,207.00                        | 12,121.36                        | 72.04                       | 76.38                    | 90.85                            | 3,224.59                      | 393.83                  | 1,305.57                          | 1,158.45                           | 147.12                               | 8.874                    |                                     |
| 15,354.45                                                                        | 12,102.02                        | 15,235.38                        | 12,122.31                        | 72.94                       | 76.87                    | 90.89                            | 3,252.95                      | 393.30                  | 1,305.15                          | 1,156.76                           | 148.39                               | 8.795                    |                                     |
| 15,400.00                                                                        | 12,102.02                        | 15,254.64                        | 12,122.75                        | 73.70                       | 77.21                    | 90.91                            | 3,272.20                      | 393.42                  | 1,305.83                          | 1,156.51                           | 149.32                               | 8.745                    |                                     |
| 15,500.00                                                                        | 12,102.02                        | 15,300.00                        | 12,123.17                        | 75.36                       | 77.99                    | 90.93                            | 3,317.52                      | 395.25                  | 1,310.54                          | 1,159.24                           | 151.29                               | 8.662                    |                                     |
| 15,600.00                                                                        | 12,102.01                        | 15,460.38                        | 12,126.33                        | 77.04                       | 80.73                    | 91.06                            | 3,477.79                      | 398.28                  | 1,312.30                          | 1,156.04                           | 156.26                               | 8.398                    |                                     |
| 15,700.00                                                                        | 12,102.01                        | 15,531.84                        | 12,124.94                        | 78.73                       | 81.90                    | 91.00                            | 3,549.21                      | 399.91                  | 1,315.39                          | 1,156.49                           | 158.90                               | 8.278                    |                                     |
| 15,800.00                                                                        | 12,102.01                        | 15,603.48                        | 12,123.29                        | 80.43                       | 83.06                    | 90.92                            | 3,620.76                      | 403.23                  | 1,320.76                          | 1,159.27                           | 161.49                               | 8.178                    |                                     |
| 15,900.00                                                                        | 12,102.01                        | 15,687.25                        | 12,123.17                        | 82.14                       | 84.41                    | 90.92                            | 3,704.35                      | 408.54                  | 1,327.89                          | 1,163.51                           | 164.38                               | 8.078                    |                                     |
| 16,000.00                                                                        | 12,102.00                        | 15,831.01                        | 12,119.50                        | 83.86                       | 86.76                    | 90.75                            | 3,847.87                      | 415.79                  | 1,333.67                          | 1,164.73                           | 168.93                               | 7.895                    |                                     |
| 16,100.00                                                                        | 12,102.00                        | 15,986.89                        | 12,119.86                        | 85.58                       | 89.33                    | 90.77                            | 4,003.71                      | 417.72                  | 1,335.66                          | 1,162.00                           | 173.65                               | 7.692                    |                                     |
| 16,200.00                                                                        | 12,101.80                        | 16,095.54                        | 12,120.97                        | 87.31                       | 91.14                    | 90.82                            | 4,112.35                      | 416.55                  | 1,335.39                          | 1,158.15                           | 177.25                               | 7.534                    |                                     |
| 16,300.00                                                                        | 12,101.60                        | 16,222.24                        | 12,121.35                        | 89.06                       | 93.25                    | 90.85                            | 4,239.02                      | 413.89                  | 1,334.18                          | 1,152.97                           | 181.22                               | 7.362                    |                                     |
| 16,400.00                                                                        | 12,101.40                        | 16,325.43                        | 12,125.40                        | 90.80                       | 94.98                    | 91.04                            | 4,341.95                      | 410.04                  | 1,331.30                          | 1,146.59                           | 184.72                               | 7.207                    |                                     |
| 16,500.00                                                                        | 12,101.20                        | 16,434.03                        | 12,140.33                        | 92.56                       | 96.81                    | 91.69                            | 4,449.42                      | 405.55                  | 1,328.26                          | 1,139.98                           | 188.28                               | 7.055                    |                                     |
| 16,600.00                                                                        | 12,101.00                        | 16,523.00                        | 12,150.26                        | 94.32                       | 98.32                    | 92.13                            | 4,537.76                      | 402.15                  | 1,325.57                          | 1,134.07                           | 191.50                               | 6.922                    |                                     |
| 16,679.45                                                                        | 12,100.84                        | 16,569.34                        | 12,153.35                        | 95.72                       | 99.12                    | 92.27                            | 4,583.98                      | 401.18                  | 1,324.69                          | 1,131.13                           | 193.56                               | 6.844                    |                                     |
| 16,700.00                                                                        | 12,100.80                        | 16,582.22                        | 12,153.92                        | 96.08                       | 99.34                    | 92.30                            | 4,596.85                      | 401.09                  | 1,324.75                          | 1,130.65                           | 194.10                               | 6.825                    |                                     |
| 16,704.45                                                                        | 12,100.79                        | 16,585.01                        | 12,154.03                        | 96.16                       | 99.38                    | 92.30                            | 4,599.64                      | 401.09                  | 1,324.78                          | 1,130.56                           | 194.22                               | 6.821                    |                                     |
| 16,800.00                                                                        | 12,100.60                        | 16,661.37                        | 12,155.08                        | 97.86                       | 100.70                   | 92.35                            | 4,675.98                      | 401.86                  | 1,326.49                          | 1,129.40                           | 197.09                               | 6.730                    |                                     |
| 16,804.45                                                                        | 12,100.59                        | 16,665.86                        | 12,155.07                        | 97.93                       | 100.77                   | 92.35                            | 4,680.47                      | 401.92                  | 1,326.59                          | 1,129.34                           | 197.25                               | 6.725                    |                                     |
| 16,900.00                                                                        | 12,100.40                        | 16,797.64                        | 12,153.64                        | 99.63                       | 103.04                   | 92.30                            | 4,812.24                      | 402.57                  | 1,327.95                          | 1,126.49                           | 201.46                               | 6.592                    |                                     |
| 17,000.00                                                                        | 12,100.20                        | 16,912.58                        | 12,152.48                        | 101.41                      | 105.02                   | 92.26                            | 4,927.15                      | 400.45                  | 1,326.89                          | 1,121.58                           | 205.31                               | 6.463                    |                                     |
| 17,100.00                                                                        | 12,100.00                        | 17,023.57                        | 12,150.95                        | 103.20                      | 106.96                   | 92.21                            | 5,038.06                      | 396.34                  | 1,323.85                          | 1,114.77                           | 209.08                               | 6.332                    |                                     |
| 17,200.00                                                                        | 12,099.80                        | 17,088.00                        | 12,150.37                        | 104.99                      | 108.09                   | 92.19                            | 5,102.47                      | 395.21                  | 1,322.80                          | 1,110.92                           | 211.88                               | 6.243                    |                                     |
| 17,300.00                                                                        | 12,099.60                        | 17,223.71                        | 12,151.52                        | 106.79                      | 110.49                   | 92.26                            | 5,238.10                      | 391.28                  | 1,320.44                          | 1,104.21                           | 216.22                               | 6.107                    |                                     |
| 17,400.00                                                                        | 12,099.40                        | 17,294.62                        | 12,152.19                        | 108.58                      | 111.74                   | 92.29                            | 5,308.99                      | 389.62                  | 1,318.96                          | 1,099.78                           | 219.18                               | 6.018                    |                                     |
| 17,412.60                                                                        | 12,099.37                        | 17,302.96                        | 12,152.26                        | 108.81                      | 111.89                   | 92.30                            | 5,317.33                      | 389.54                  | 1,318.94                          | 1,099.41                           | 219.53                               | 6.008                    |                                     |
| 17,500.00                                                                        | 12,099.20                        | 17,371.00                        | 12,152.96                        | 110.39                      | 113.09                   | 92.33                            | 5,385.36                      | 389.86                  | 1,319.98                          | 1,097.79                           | 222.19                               | 5.941                    |                                     |
| 17,504.45                                                                        | 12,099.19                        | 17,371.00                        | 12,152.96                        | 110.47                      | 113.09                   | 92.33                            | 5,385.36                      | 389.86                  | 1,320.05                          | 1,097.82                           | 222.23                               | 5.940                    |                                     |
| 17,600.00                                                                        | 12,099.00                        | 17,484.35                        | 12,151.68                        | 112.19                      | 115.09                   | 92.28                            | 5,498.69                      | 390.89                  | 1,321.74                          | 1,095.65                           | 226.10                               | 5.846                    |                                     |
| 17,700.00                                                                        | 12,099.60                        | 17,598.39                        | 12,149.55                        | 114.00                      | 117.10                   | 92.17                            | 5,612.69                      | 388.99                  | 1,320.67                          | 1,090.64                           | 230.03                               | 5.741                    |                                     |
| 17,727.18                                                                        | 12,099.79                        | 17,617.14                        | 12,149.47                        | 114.49                      | 117.44                   | 92.16                            | 5,631.44                      | 388.79                  | 1,320.58                          | 1,089.76                           | 230.82                               | 5.721                    |                                     |
| 17,800.00                                                                        | 12,100.30                        | 17,652.00                        | 12,149.57                        | 115.81                      | 118.05                   | 92.15                            | 5,666.30                      | 388.72                  | 1,321.33                          | 1,088.86                           | 232.47                               | 5.684                    |                                     |
| 17,808.45                                                                        | 12,100.36                        | 17,670.61                        | 12,149.69                        | 115.97                      | 118.39                   | 92.15                            | 5,684.91                      | 388.88                  | 1,321.39                          | 1,088.33                           | 233.05                               | 5.670                    |                                     |
| 17,900.00                                                                        | 12,101.01                        | 17,725.98                        | 12,149.85                        | 117.63                      | 119.37                   | 92.14                            | 5,740.25                      | 390.36                  | 1,324.56                          | 1,089.24                           | 235.32                               | 5.629                    |                                     |
| 18,000.00                                                                        | 12,101.72                        | 17,811.26                        | 12,149.24                        | 119.45                      | 120.89                   | 92.07                            | 5,825.42                      | 394.61                  | 1,330.24                          | 1,091.78                           | 238.46                               | 5.578                    |                                     |
| 18,100.00                                                                        | 12,102.42                        | 18,011.82                        | 12,145.56                        | 121.27                      | 124.49                   | 91.85                            | 6,025.83                      | 396.56                  | 1,331.45                          | 1,086.64                           | 244.81                               | 5.439                    |                                     |
| 18,200.00                                                                        | 12,103.13                        | 18,121.00                        | 12,146.18                        | 123.10                      | 126.46                   | 91.85                            | 6,134.95                      | 393.22                  | 1,329.15                          | 1,080.52                           | 248.64                               | 5.346                    |                                     |
| 18,260.86                                                                        | 12,103.56                        | 18,151.25                        | 12,146.49                        | 124.21                      | 127.00                   | 91.85                            | 6,165.20                      | 392.82                  | 1,328.65                          | 1,078.46                           | 250.19                               | 5.311                    |                                     |
| 18,300.00                                                                        | 12,103.83                        | 18,178.60                        | 12,146.71                        | 124.93                      | 127.49                   | 91.85                            | 6,192.55                      | 392.72                  | 1,328.83                          | 1,077.50                           | 251.33                               | 5.287                    |                                     |
| 18,304.45                                                                        | 12,103.86                        | 18,181.71                        | 12,146.73                        | 125.01                      | 127.55                   | 91.85                            | 6,195.66                      | 392.73                  | 1,328.87                          | 1,077.41                           | 251.46                               | 5.285                    |                                     |
| 18,400.00                                                                        | 12,104.54                        | 18,250.67                        | 12,147.13                        | 126.76                      | 128.79                   | 91.85                            | 6,264.61                      | 393.59                  | 1,330.81                          | 1,076.59                           | 254.22                               | 5.235                    |                                     |
| 18,404.45                                                                        | 12,104.57                        | 18,253.99                        | 12,147.16                        | 126.84                      | 128.85                   | 91.85                            | 6,267.93                      | 393.66                  | 1,330.94                          | 1,076.59                           | 254.35                               | 5.233                    |                                     |
| 18,500.00                                                                        | 12,105.24                        | 18,327.38                        | 12,148.00                        | 128.59                      | 130.16                   | 91.86                            | 6,341.28                      | 395.99                  | 1,334.73                          | 1,077.58                           | 257.15                               | 5.190                    |                                     |
| 18,600.00                                                                        | 12,105.95                        | 18,422.73                        | 12,148.70                        | 130.42                      | 131.86                   | 91.85                            | 6,436.53                      | 400.28                  | 1,340.01                          | 1,079.38                           | 260.63                               | 5.141                    |                                     |

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

## Legacy Directional Drilling

### Anticollision Report

|                           |                                |                                     |                                  |
|---------------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Matador Resources Company      | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Project:</b>           | Lea County, New Mexico (NAD27) | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Reference Site:</b>    | Nina Cortell Fed Com           | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | ST01                           | <b>Database:</b>                    | EDM5000                          |
| <b>Reference Design:</b>  | Pan 3                          | <b>Offset TVD Reference:</b>        | Offset Datum                     |

|                                                                                  |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      |                           |                |
|----------------------------------------------------------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------|--------------------------|----------------------------------|-------------------------------|-------------------------|-----------------------------------|------------------------------------|--------------------------------------|---------------------------|----------------|
| <b>Offset Design:</b> Nina Cortell Fed Com - Nina Cortell Fed Com 204H - OH - OH |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      | <b>Offset Site Error:</b> | 0.00 usft      |
| <b>Survey Program:</b> 220-MWD+IGRF                                              |                                  |                                  |                                  |                             |                          |                                  |                               |                         |                                   |                                    |                                      | <b>Offset Well Error:</b> | 0.00 usft      |
| <b>Reference</b>                                                                 |                                  | <b>Offset</b>                    |                                  | <b>Semi Major Axis</b>      |                          | <b>Highside Toolface<br/>(°)</b> | <b>Offset Wellbore Centre</b> |                         | <b>Distance</b>                   |                                    | <b>Minimum Separation<br/>(usft)</b> | <b>Separation Factor</b>  | <b>Warning</b> |
| <b>Measured Depth<br/>(usft)</b>                                                 | <b>Vertical Depth<br/>(usft)</b> | <b>Measured Depth<br/>(usft)</b> | <b>Vertical Depth<br/>(usft)</b> | <b>Reference<br/>(usft)</b> | <b>Offset<br/>(usft)</b> |                                  | <b>+N/-S<br/>(usft)</b>       | <b>+E/-W<br/>(usft)</b> | <b>Between Centres<br/>(usft)</b> | <b>Between Ellipses<br/>(usft)</b> |                                      |                           |                |
| 18,700.00                                                                        | 12,106.66                        | 18,556.88                        | 12,155.95                        | 132.26                      | 134.27                   | 92.11                            | 6,570.42                      | 403.15                  | 1,342.88                          | 1,077.63                           | 265.25                               | 5.063                     |                |
| 18,704.45                                                                        | 12,106.69                        | 18,561.08                        | 12,156.13                        | 132.34                      | 134.35                   | 92.12                            | 6,574.62                      | 403.21                  | 1,342.99                          | 1,077.59                           | 265.40                               | 5.060                     |                |
| 18,800.00                                                                        | 12,107.36                        | 18,662.28                        | 12,158.24                        | 134.10                      | 136.17                   | 92.18                            | 6,675.78                      | 404.86                  | 1,345.36                          | 1,076.33                           | 269.03                               | 5.001                     |                |
| 18,804.45                                                                        | 12,107.39                        | 18,667.27                        | 12,158.28                        | 134.18                      | 136.26                   | 92.18                            | 6,680.77                      | 404.92                  | 1,345.45                          | 1,076.25                           | 269.20                               | 4.998                     |                |
| 18,900.00                                                                        | 12,108.07                        | 18,761.88                        | 12,157.42                        | 135.94                      | 137.96                   | 92.11                            | 6,775.36                      | 406.14                  | 1,347.40                          | 1,074.72                           | 272.67                               | 4.941                     |                |
| 18,911.74                                                                        | 12,108.15                        | 18,773.13                        | 12,157.04                        | 136.16                      | 138.16                   | 92.09                            | 6,786.61                      | 406.32                  | 1,347.65                          | 1,074.56                           | 273.09                               | 4.935                     |                |
| 19,000.00                                                                        | 12,108.77                        | 18,909.59                        | 12,150.20                        | 137.78                      | 140.64                   | 91.76                            | 6,922.87                      | 405.41                  | 1,347.38                          | 1,069.85                           | 277.53                               | 4.855                     |                |
| 19,100.00                                                                        | 12,109.48                        | 19,004.80                        | 12,145.60                        | 139.63                      | 142.37                   | 91.53                            | 7,017.96                      | 403.82                  | 1,346.34                          | 1,065.20                           | 281.13                               | 4.789                     |                |
| 19,200.00                                                                        | 12,110.19                        | 19,129.01                        | 12,140.19                        | 141.47                      | 144.62                   | 91.27                            | 7,142.01                      | 400.99                  | 1,344.80                          | 1,059.49                           | 285.31                               | 4.713                     |                |
| 19,300.00                                                                        | 12,110.89                        | 19,219.82                        | 12,140.20                        | 143.32                      | 146.27                   | 91.24                            | 7,232.75                      | 397.66                  | 1,341.96                          | 1,053.14                           | 288.82                               | 4.646                     |                |
| 19,400.00                                                                        | 12,111.60                        | 19,305.82                        | 12,139.48                        | 145.17                      | 147.84                   | 91.19                            | 7,318.73                      | 395.76                  | 1,340.51                          | 1,048.28                           | 292.23                               | 4.587                     |                |
| 19,500.00                                                                        | 12,112.30                        | 19,388.56                        | 12,137.28                        | 147.02                      | 149.35                   | 91.07                            | 7,401.44                      | 394.66                  | 1,339.94                          | 1,044.41                           | 295.53                               | 4.534                     |                |
| 19,504.45                                                                        | 12,112.33                        | 19,391.93                        | 12,137.20                        | 147.11                      | 149.41                   | 91.06                            | 7,404.80                      | 394.64                  | 1,339.95                          | 1,044.29                           | 295.67                               | 4.532                     |                |
| 19,600.00                                                                        | 12,113.01                        | 19,464.70                        | 12,135.83                        | 148.88                      | 150.73                   | 90.98                            | 7,477.55                      | 394.95                  | 1,341.07                          | 1,042.46                           | 298.61                               | 4.491                     |                |
| 19,700.00                                                                        | 12,112.28                        | 19,549.71                        | 12,134.51                        | 150.73                      | 152.28                   | 90.93                            | 7,562.53                      | 396.75                  | 1,343.93                          | 1,042.07                           | 301.86                               | 4.452                     |                |
| 19,800.00                                                                        | 12,111.02                        | 19,742.09                        | 12,138.31                        | 152.59                      | 155.81                   | 91.19                            | 7,754.75                      | 395.19                  | 1,344.28                          | 1,036.63                           | 307.65                               | 4.370                     |                |
| 19,900.00                                                                        | 12,109.76                        | 19,831.93                        | 12,142.20                        | 154.45                      | 157.46                   | 91.41                            | 7,844.44                      | 391.89                  | 1,341.47                          | 1,030.31                           | 311.16                               | 4.311                     |                |
| 20,000.00                                                                        | 12,108.50                        | 19,943.14                        | 12,144.21                        | 156.31                      | 159.49                   | 91.56                            | 7,955.53                      | 387.06                  | 1,337.99                          | 1,022.97                           | 315.02                               | 4.247                     |                |
| 20,100.00                                                                        | 12,107.24                        | 20,033.09                        | 12,143.85                        | 158.17                      | 161.14                   | 91.59                            | 8,045.38                      | 383.00                  | 1,334.34                          | 1,015.78                           | 318.56                               | 4.189                     |                |
| 20,200.00                                                                        | 12,105.98                        | 20,107.52                        | 12,142.30                        | 160.03                      | 162.51                   | 91.57                            | 8,119.77                      | 380.99                  | 1,332.38                          | 1,010.60                           | 321.78                               | 4.141                     |                |
| 20,300.00                                                                        | 12,104.73                        | 20,224.13                        | 12,141.02                        | 161.89                      | 164.66                   | 91.58                            | 8,236.31                      | 377.59                  | 1,330.20                          | 1,004.38                           | 325.82                               | 4.083                     |                |
| 20,400.00                                                                        | 12,103.47                        | 20,304.79                        | 12,140.83                        | 163.76                      | 166.14                   | 91.62                            | 8,316.94                      | 375.56                  | 1,328.53                          | 999.39                             | 329.14                               | 4.036                     |                |
| 20,446.50                                                                        | 12,102.88                        | 20,339.29                        | 12,140.64                        | 164.62                      | 166.78                   | 91.63                            | 8,351.44                      | 375.12                  | 1,328.32                          | 997.73                             | 330.59                               | 4.018                     |                |
| 20,500.00                                                                        | 12,102.21                        | 20,386.00                        | 12,140.21                        | 165.62                      | 167.64                   | 91.64                            | 8,398.15                      | 375.03                  | 1,328.62                          | 996.21                             | 332.41                               | 3.997                     |                |
| 20,504.45                                                                        | 12,102.15                        | 20,386.00                        | 12,140.21                        | 165.71                      | 167.64                   | 91.64                            | 8,398.15                      | 375.03                  | 1,328.65                          | 996.19                             | 332.46                               | 3.996                     |                |
| 20,600.00                                                                        | 12,100.95                        | 20,470.30                        | 12,138.32                        | 167.49                      | 169.19                   | 91.60                            | 8,482.42                      | 375.60                  | 1,330.02                          | 994.31                             | 335.71                               | 3.962                     |                |
| 20,604.45                                                                        | 12,100.89                        | 20,474.44                        | 12,138.18                        | 167.57                      | 169.26                   | 91.59                            | 8,486.56                      | 375.64                  | 1,330.10                          | 994.23                             | 335.87                               | 3.960                     |                |
| 20,700.00                                                                        | 12,099.69                        | 20,599.60                        | 12,135.50                        | 169.36                      | 171.57                   | 91.55                            | 8,611.68                      | 375.36                  | 1,330.61                          | 990.44                             | 340.17                               | 3.912                     |                |
| 20,800.00                                                                        | 12,098.43                        | 20,707.03                        | 12,134.76                        | 171.23                      | 173.55                   | 91.57                            | 8,719.10                      | 373.50                  | 1,329.69                          | 985.64                             | 344.05                               | 3.865                     |                |
| 20,900.00                                                                        | 12,097.17                        | 20,795.35                        | 12,133.76                        | 173.10                      | 175.18                   | 91.58                            | 8,807.40                      | 372.02                  | 1,328.84                          | 981.33                             | 347.51                               | 3.824                     |                |
| 20,910.03                                                                        | 12,097.05                        | 20,802.87                        | 12,133.69                        | 173.28                      | 175.32                   | 91.58                            | 8,814.92                      | 371.95                  | 1,328.83                          | 981.01                             | 347.82                               | 3.820                     |                |
| 21,000.00                                                                        | 12,095.91                        | 20,876.93                        | 12,133.45                        | 174.97                      | 176.69                   | 91.61                            | 8,888.98                      | 371.96                  | 1,329.55                          | 978.79                             | 350.76                               | 3.790                     |                |
| 21,004.45                                                                        | 12,095.86                        | 20,881.92                        | 12,133.46                        | 175.05                      | 176.78                   | 91.61                            | 8,893.96                      | 371.98                  | 1,329.60                          | 978.66                             | 350.94                               | 3.789                     |                |
| 21,100.00                                                                        | 12,094.66                        | 20,996.92                        | 12,133.99                        | 176.84                      | 178.90                   | 91.70                            | 9,008.96                      | 371.68                  | 1,330.20                          | 975.22                             | 354.97                               | 3.747                     |                |
| 21,200.00                                                                        | 12,093.40                        | 21,157.31                        | 12,134.15                        | 178.71                      | 181.88                   | 91.80                            | 9,169.21                      | 365.78                  | 1,327.20                          | 967.45                             | 359.76                               | 3.689                     |                |
| 21,300.00                                                                        | 12,092.14                        | 21,234.00                        | 12,132.96                        | 180.58                      | 183.32                   | 91.79                            | 9,245.82                      | 362.61                  | 1,323.72                          | 960.54                             | 363.18                               | 3.645                     |                |
| 21,400.00                                                                        | 12,090.88                        | 21,329.00                        | 12,131.31                        | 182.46                      | 185.09                   | 91.77                            | 9,340.74                      | 359.20                  | 1,320.91                          | 954.07                             | 366.84                               | 3.601                     |                |
| 21,500.00                                                                        | 12,089.62                        | 21,396.37                        | 12,130.35                        | 184.33                      | 186.35                   | 91.77                            | 9,408.06                      | 357.32                  | 1,319.08                          | 949.16                             | 369.92                               | 3.566                     |                |
| 21,508.02                                                                        | 12,089.52                        | 21,401.12                        | 12,130.20                        | 184.48                      | 186.44                   | 91.77                            | 9,412.81                      | 357.27                  | 1,319.07                          | 948.93                             | 370.14                               | 3.564                     |                |
| 21,600.00                                                                        | 12,088.36                        | 21,469.45                        | 12,127.64                        | 186.21                      | 187.71                   | 91.69                            | 9,481.09                      | 357.59                  | 1,320.10                          | 947.13                             | 372.97                               | 3.539                     |                |
| 21,604.45                                                                        | 12,088.31                        | 21,473.24                        | 12,127.53                        | 186.29                      | 187.78                   | 91.69                            | 9,484.89                      | 357.64                  | 1,320.18                          | 947.06                             | 373.11                               | 3.538                     |                |
| 21,700.00                                                                        | 12,087.10                        | 21,553.35                        | 12,125.78                        | 188.08                      | 189.27                   | 91.66                            | 9,564.97                      | 358.93                  | 1,322.47                          | 946.25                             | 376.21                               | 3.515                     |                |
| 21,800.00                                                                        | 12,085.84                        | 21,667.25                        | 12,123.90                        | 189.96                      | 191.38                   | 91.63                            | 9,678.81                      | 361.72                  | 1,325.81                          | 945.43                             | 380.38                               | 3.486                     |                |
| 21,804.45                                                                        | 12,085.79                        | 21,675.88                        | 12,123.93                        | 190.04                      | 191.54                   | 91.64                            | 9,687.44                      | 361.81                  | 1,325.89                          | 945.23                             | 380.67                               | 3.483                     |                |
| 21,900.00                                                                        | 12,084.58                        | 21,776.15                        | 12,124.28                        | 191.84                      | 193.40                   | 91.71                            | 9,787.71                      | 361.94                  | 1,326.81                          | 942.45                             | 384.36                               | 3.452                     |                |
| 21,904.45                                                                        | 12,084.53                        | 21,780.09                        | 12,124.20                        | 191.92                      | 193.47                   | 91.70                            | 9,791.64                      | 361.97                  | 1,326.87                          | 942.36                             | 384.51                               | 3.451                     |                |
| 22,000.00                                                                        | 12,083.33                        | 21,898.23                        | 12,120.94                        | 193.72                      | 195.67                   | 91.63                            | 9,909.73                      | 361.92                  | 1,327.61                          | 938.94                             | 388.67                               | 3.416                     |                |
| 22,100.00                                                                        | 12,082.07                        | 22,004.23                        | 12,119.48                        | 195.60                      | 197.64                   | 91.62                            | 10,015.71                     | 360.47                  | 1,327.05                          | 934.49                             | 392.55                               | 3.381                     |                |
| 22,200.00                                                                        | 12,080.81                        | 22,120.19                        | 12,116.64                        | 197.48                      | 199.80                   | 91.56                            | 10,131.61                     | 358.18                  | 1,325.88                          | 929.25                             | 396.63                               | 3.343                     |                |
| 22,294.38                                                                        | 12,079.62                        | 22,191.00                        | 12,113.62                        | 199.25                      | 201.12                   | 91.47                            | 10,202.33                     | 356.15                  | 1,324.09                          | 924.40                             | 399.69                               | 3.313                     |                |

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

## Legacy Directional Drilling

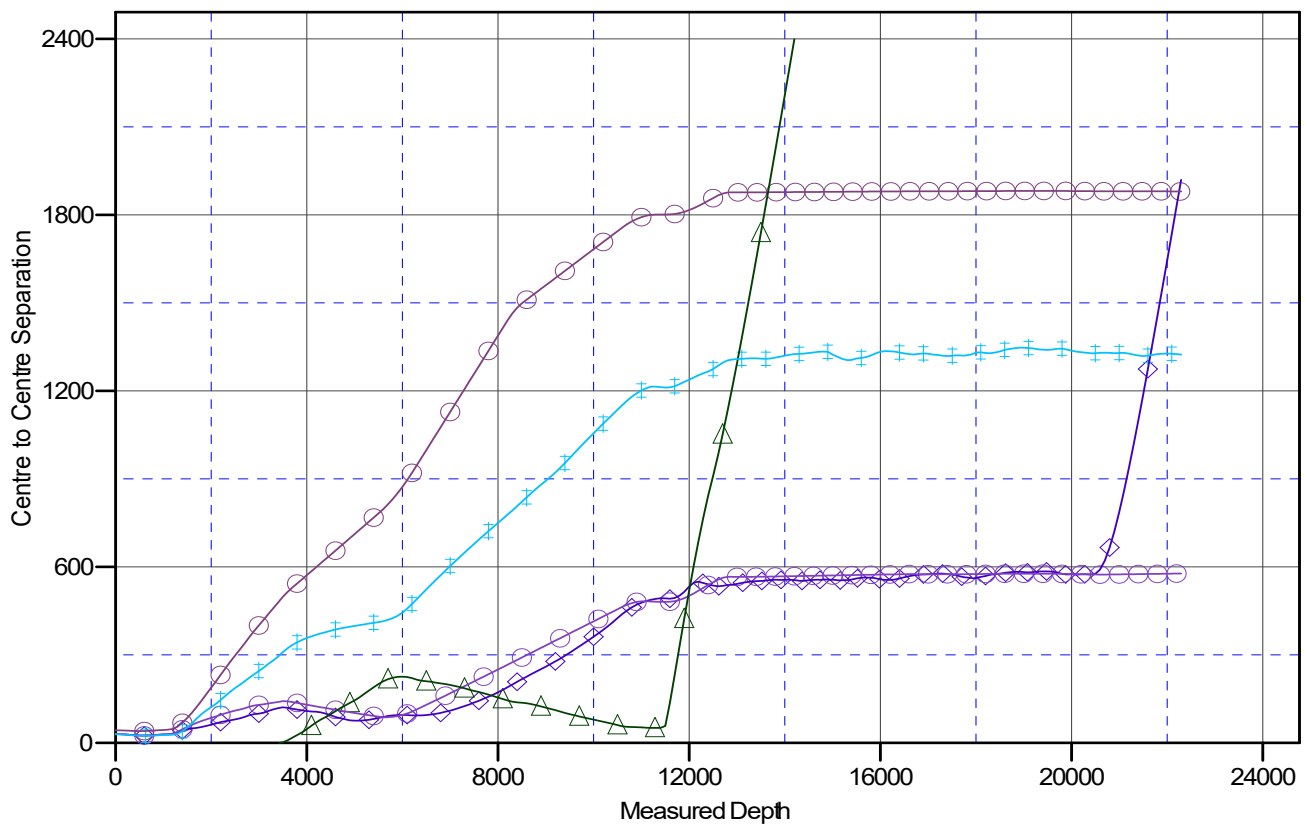
### Anticollision Report

|                           |                                |                                     |                                  |
|---------------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Matador Resources Company      | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Project:</b>           | Lea County, New Mexico (NAD27) | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Reference Site:</b>    | Nina Cortell Fed Com           | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | ST01                           | <b>Database:</b>                    | EDM5000                          |
| <b>Reference Design:</b>  | Pan 3                          | <b>Offset TVD Reference:</b>        | Offset Datum                     |

Reference Depths are relative to GL 3790 + 28.5' KB @ 3818.50usft  
 Offset Depths are relative to Offset Datum  
 Central Meridian is -104.333334

Coordinates are relative to: Nina Cortell Fed Com 203H  
 Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30  
 Grid Convergence at Surface is: 0.36°

### Ladder Plot



#### LEGEND



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

## Legacy Directional Drilling

## Anticollision Report

|                           |                                |                                     |                                  |
|---------------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Company:</b>           | Matador Resources Company      | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Project:</b>           | Lea County, New Mexico (NAD27) | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Reference Site:</b>    | Nina Cortell Fed Com           | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site Error:</b>        | 0.00 usft                      | <b>North Reference:</b>             | Grid                             |
| <b>Reference Well:</b>    | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Well Error:</b>        | 0.00 usft                      | <b>Output errors are at</b>         | 2.00 sigma                       |
| <b>Reference Wellbore</b> | ST01                           | <b>Database:</b>                    | EDM5000                          |
| <b>Reference Design:</b>  | Pan 3                          | <b>Offset TVD Reference:</b>        | Offset Datum                     |

Reference Depths are relative to GL 3790 + 28.5' KB @ 3818.50usft

Offset Depths are relative to Offset Datum

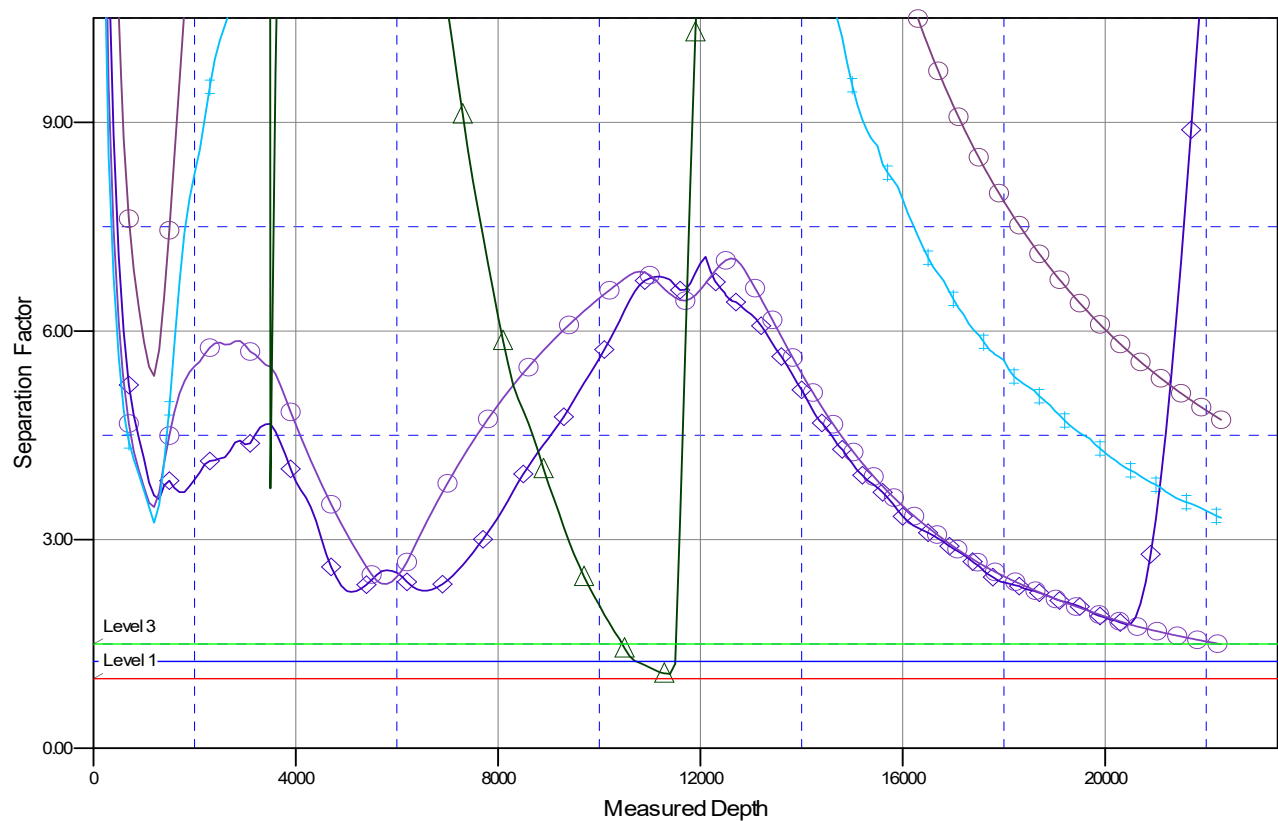
Central Meridian is -104.333334

Coordinates are relative to: Nina Cortell Fed Com 203H

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

Grid Convergence at Surface is: 0.36°

## Separation Factor Plot



## LEGEND



# **Matador Resources Company**

**Lea County, New Mexico (NAD27)**

**Nina Cortell Fed Com**

**Nina Cortell Fed Com 203H**

**ST01**

**Plan: Pan 3**

## **Standard Planning Report**

**17 November, 2022**



## Legacy Directional Drilling

## Planning Report

|                  |                                |                                     |                                  |
|------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Database:</b> | EDM5000                        | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Company:</b>  | Matador Resources Company      | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Project:</b>  | Lea County, New Mexico (NAD27) | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site:</b>     | Nina Cortell Fed Com           | <b>North Reference:</b>             | Grid                             |
| <b>Well:</b>     | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Wellbore:</b> | ST01                           |                                     |                                  |
| <b>Design:</b>   | Pan 3                          |                                     |                                  |

|                    |                                      |                      |                |
|--------------------|--------------------------------------|----------------------|----------------|
| <b>Project</b>     | Lea County, New Mexico (NAD27)       |                      |                |
| <b>Map System:</b> | US State Plane 1927 (Exact solution) | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | NAD 1927 (NADCON CONUS)              |                      |                |
| <b>Map Zone:</b>   | New Mexico East 3001                 |                      |                |

|                       |     |                      |                 |            |             |
|-----------------------|-----|----------------------|-----------------|------------|-------------|
| Site                  |     | Nina Cortell Fed Com |                 |            |             |
| Site Position:        |     | Northing:            | 509,728.00 usft | Latitude:  | 32.399589   |
| From:                 | Map | Easting:             | 705,998.00 usft | Longitude: | -103.665908 |
| Position Uncertainty: |     | 0.00 usft            | Slot Radius:    | 13-3/16 "  |             |

| Well                 | Nina Cortell Fed Com 203H |           |                     |                 |               |               |
|----------------------|---------------------------|-----------|---------------------|-----------------|---------------|---------------|
| Well Position        | +N/-S                     | 0.00 usft | Northing:           | 509,726.00 usft | Latitude:     | 32.399542     |
|                      | +E/-W                     | 0.00 usft | Easting:            | 708,451.00 usft | Longitude:    | -103.657961   |
| Position Uncertainty |                           | 0.00 usft | Wellhead Elevation: | usft            | Ground Level: | 3,790.00 usft |
| Grid Convergence:    |                           | 0.36 °    |                     |                 |               |               |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | ST01              |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2020          | 10/26/2022         | 6.44                   | 60.00                | 47,444.22572143            |

|                          |                                |                     |                     |                      |          |
|--------------------------|--------------------------------|---------------------|---------------------|----------------------|----------|
| <b>Design</b>            | Pan 3                          |                     |                     |                      |          |
| <b>Audit Notes:</b>      |                                |                     |                     |                      |          |
| <b>Version:</b>          |                                | <b>Phase:</b>       | PLAN                | <b>Tie On Depth:</b> | 3,430.00 |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Direction (°)</b> |          |
|                          | 0.00                           | 0.00                | 0.00                | 359.54               |          |

|                                 |                        |                          |                  |                        |  |
|---------------------------------|------------------------|--------------------------|------------------|------------------------|--|
| <b>Plan Survey Tool Program</b> | <b>Date</b>            | 11/17/2022               |                  |                        |  |
| <b>Depth From (usft)</b>        | <b>Depth To (usft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b> | <b>Remarks</b>         |  |
| 1                               | 3,430.00               | 22,294.25                | Pan 3 (ST01)     | MWD+IGRF               |  |
|                                 |                        |                          |                  | OWSG MWD + IGRF or WMM |  |

## Legacy Directional Drilling

## Planning Report

|                  |                                |                                     |                                  |
|------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Database:</b> | EDM5000                        | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Company:</b>  | Matador Resources Company      | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Project:</b>  | Lea County, New Mexico (NAD27) | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site:</b>     | Nina Cortell Fed Com           | <b>North Reference:</b>             | Grid                             |
| <b>Well:</b>     | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Wellbore:</b> | ST01                           |                                     |                                  |
| <b>Design:</b>   | Pan 3                          |                                     |                                  |

| Plan Sections         |                 |             |                       |              |              |                         |                        |                       |         |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|------------------------|-----------------------|---------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target                |
| 3,430.00              | 4.76            | 291.98      | 3,421.90              | -43.60       | -175.25      | 0.00                    | 0.00                   | 0.00                  | 0.00    |                       |
| 3,530.00              | 1.76            | 291.98      | 3,521.72              | -41.47       | -180.52      | 3.00                    | -3.00                  | 0.00                  | 180.00  |                       |
| 3,706.24              | 0.00            | 291.98      | 3,697.94              | -40.46       | -183.04      | 1.00                    | -1.00                  | 0.00                  | 180.00  |                       |
| 5,508.30              | 0.00            | 291.98      | 5,500.00              | -40.46       | -183.04      | 0.00                    | 0.00                   | 0.00                  | 291.98  |                       |
| 6,240.38              | 7.32            | 255.48      | 6,230.09              | -52.17       | -228.25      | 1.00                    | 1.00                   | -4.99                 | 255.48  |                       |
| 10,592.52             | 7.32            | 255.48      | 10,546.74             | -191.17      | -765.12      | 0.00                    | 0.00                   | 0.00                  | 0.00    |                       |
| 11,324.59             | 0.00            | 0.00        | 11,276.83             | -202.88      | -810.33      | 1.00                    | -1.00                  | 0.00                  | 180.00  |                       |
| 11,524.59             | 0.00            | 0.00        | 11,476.83             | -202.88      | -810.33      | 0.00                    | 0.00                   | 0.00                  | 0.00    |                       |
| 11,673.84             | 11.94           | 354.39      | 11,625.00             | -187.46      | -811.84      | 8.00                    | 8.00                   | 0.00                  | 354.39  |                       |
| 11,823.84             | 23.94           | 354.39      | 11,767.45             | -141.56      | -816.35      | 8.00                    | 8.00                   | 0.00                  | 0.00    |                       |
| 12,487.44             | 90.30           | 354.39      | 12,107.90             | 382.58       | -867.84      | 10.00                   | 10.00                  | 0.00                  | 0.00    |                       |
| 12,587.44             | 90.30           | 354.39      | 12,107.38             | 482.10       | -877.61      | 0.00                    | 0.00                   | 0.00                  | 0.00    |                       |
| 12,844.80             | 90.30           | 359.54      | 12,106.04             | 739.01       | -891.24      | 2.00                    | 0.00                   | 2.00                  | 90.00   |                       |
| 13,598.67             | 90.30           | 359.54      | 12,102.11             | 1,492.84     | -897.33      | 0.00                    | 0.00                   | 0.00                  | 0.00    | 1500°VS - Nina Cortel |
| 13,613.51             | 90.00           | 359.53      | 12,102.07             | 1,507.68     | -897.45      | 2.00                    | -2.00                  | -0.04                 | -178.90 |                       |
| 16,098.67             | 90.00           | 359.53      | 12,102.00             | 3,992.76     | -917.77      | 0.00                    | 0.00                   | 0.00                  | 0.00    | 4000°VS - Nina Cortel |
| 16,104.35             | 90.11           | 359.54      | 12,101.99             | 3,998.44     | -917.82      | 2.00                    | 1.99                   | 0.16                  | 4.73    |                       |
| 17,598.67             | 90.11           | 359.54      | 12,099.00             | 5,492.71     | -929.79      | 0.00                    | 0.00                   | 0.00                  | 0.00    | 5500°VS - Nina Cortel |
| 17,624.63             | 89.60           | 359.54      | 12,099.07             | 5,518.67     | -930.00      | 2.00                    | -2.00                  | 0.00                  | -179.99 |                       |
| 19,598.73             | 89.60           | 359.54      | 12,113.00             | 7,492.65     | -945.82      | 0.00                    | 0.00                   | 0.00                  | 0.00    | 7500°VS - Nina Cortel |
| 19,655.01             | 90.72           | 359.54      | 12,112.84             | 7,548.93     | -946.27      | 2.00                    | 2.00                   | 0.00                  | 0.00    |                       |
| 22,294.38             | 90.72           | 359.54      | 12,079.62             | 10,188.01    | -967.42      | 0.00                    | 0.00                   | 0.00                  | 0.00    | PBHL (LPP -10') - Nin |

## Legacy Directional Drilling

## Planning Report

|                  |                                |                                     |                                  |
|------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Database:</b> | EDM5000                        | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Company:</b>  | Matador Resources Company      | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Project:</b>  | Lea County, New Mexico (NAD27) | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site:</b>     | Nina Cortell Fed Com           | <b>North Reference:</b>             | Grid                             |
| <b>Well:</b>     | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Wellbore:</b> | ST01                           |                                     |                                  |
| <b>Design:</b>   | Pan 3                          |                                     |                                  |

| 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) |
| 0.00                                  | 0.00            | 0.00        | 0.00                  | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 220.00                                | 0.60            | 78.00       | 220.00                | 0.24         | 1.13         | 0.23                    | 0.27                    | 0.27                   | 0.00                  |
| 309.00                                | 0.75            | 90.36       | 308.99                | 0.33         | 2.17         | 0.32                    | 0.23                    | 0.17                   | 13.89                 |
| 403.00                                | 0.75            | 104.74      | 402.98                | 0.17         | 3.38         | 0.15                    | 0.20                    | 0.00                   | 15.30                 |
| 493.00                                | 0.44            | 109.93      | 492.98                | -0.10        | 4.27         | -0.13                   | 0.35                    | -0.34                  | 5.77                  |
| 584.00                                | 0.10            | 193.70      | 583.98                | -0.29        | 4.58         | -0.33                   | 0.48                    | -0.37                  | 92.05                 |
| 676.00                                | 0.50            | 223.30      | 675.97                | -0.66        | 4.29         | -0.70                   | 0.45                    | 0.43                   | 32.17                 |
| 766.00                                | 0.64            | 232.14      | 765.97                | -1.26        | 3.62         | -1.29                   | 0.18                    | 0.16                   | 9.82                  |
| 859.00                                | 0.78            | 238.54      | 858.96                | -1.91        | 2.67         | -1.93                   | 0.17                    | 0.15                   | 6.88                  |
| 952.00                                | 0.58            | 238.17      | 951.96                | -2.48        | 1.73         | -2.50                   | 0.22                    | -0.22                  | -0.40                 |
| 964.00                                | 0.69            | 236.31      | 963.96                | -2.56        | 1.62         | -2.57                   | 0.93                    | 0.92                   | -15.50                |
| 1,112.00                              | 0.21            | 313.49      | 1,111.95              | -2.86        | 0.68         | -2.87                   | 0.46                    | -0.32                  | 52.15                 |
| 1,202.00                              | 2.87            | 286.69      | 1,201.91              | -2.10        | -1.60        | -2.09                   | 2.98                    | 2.96                   | -29.78                |
| 1,293.00                              | 5.82            | 275.49      | 1,292.64              | -1.01        | -8.38        | -0.94                   | 3.36                    | 3.24                   | -12.31                |
| 1,383.00                              | 6.34            | 278.22      | 1,382.13              | 0.14         | -17.84       | 0.28                    | 0.66                    | 0.58                   | 3.03                  |
| 1,473.00                              | 5.91            | 276.15      | 1,471.62              | 1.35         | -27.36       | 1.57                    | 0.54                    | -0.48                  | -2.30                 |
| 1,565.00                              | 5.90            | 273.69      | 1,563.13              | 2.16         | -36.79       | 2.45                    | 0.28                    | -0.01                  | -2.67                 |
| 1,659.00                              | 5.71            | 273.16      | 1,656.65              | 2.73         | -46.28       | 3.10                    | 0.21                    | -0.20                  | -0.56                 |
| 1,753.00                              | 5.29            | 256.91      | 1,750.22              | 2.00         | -55.17       | 2.45                    | 1.71                    | -0.45                  | -17.29                |
| 1,848.00                              | 5.19            | 256.86      | 1,844.83              | 0.04         | -63.62       | 0.55                    | 0.11                    | -0.11                  | -0.05                 |
| 1,942.00                              | 4.84            | 254.77      | 1,938.47              | -1.97        | -71.59       | -1.40                   | 0.42                    | -0.37                  | -2.22                 |
| 2,036.00                              | 4.56            | 253.83      | 2,032.15              | -4.06        | -79.00       | -3.42                   | 0.31                    | -0.30                  | -1.00                 |
| 2,130.00                              | 5.44            | 249.22      | 2,125.79              | -6.68        | -86.76       | -5.98                   | 1.03                    | 0.94                   | -4.90                 |
| 2,225.00                              | 5.38            | 248.49      | 2,220.37              | -9.91        | -95.11       | -9.14                   | 0.10                    | -0.06                  | -0.77                 |
| 2,320.00                              | 5.29            | 245.17      | 2,314.96              | -13.38       | -103.23      | -12.55                  | 0.34                    | -0.09                  | -3.49                 |
| 2,415.00                              | 4.87            | 243.34      | 2,409.58              | -17.03       | -110.81      | -16.14                  | 0.47                    | -0.44                  | -1.93                 |
| 2,510.00                              | 4.38            | 241.19      | 2,504.27              | -20.59       | -117.59      | -19.64                  | 0.55                    | -0.52                  | -2.26                 |
| 2,603.00                              | 4.07            | 238.13      | 2,597.02              | -24.04       | -123.50      | -23.05                  | 0.41                    | -0.33                  | -3.29                 |
| 2,696.00                              | 5.35            | 246.36      | 2,689.71              | -27.52       | -130.28      | -26.47                  | 1.55                    | 1.38                   | 8.85                  |
| 2,791.00                              | 4.98            | 241.37      | 2,784.32              | -31.27       | -137.95      | -30.16                  | 0.61                    | -0.39                  | -5.25                 |
| 2,886.00                              | 4.73            | 232.81      | 2,878.98              | -35.62       | -144.69      | -34.45                  | 0.81                    | -0.26                  | -9.01                 |
| 2,980.00                              | 3.89            | 225.36      | 2,972.72              | -40.20       | -150.05      | -38.99                  | 1.07                    | -0.89                  | -7.93                 |
| 3,074.00                              | 3.05            | 246.70      | 3,066.55              | -43.43       | -154.62      | -42.19                  | 1.62                    | -0.89                  | 22.70                 |
| 3,169.00                              | 3.83            | 258.70      | 3,161.38              | -45.05       | -160.05      | -43.76                  | 1.11                    | 0.82                   | 12.63                 |
| 3,264.00                              | 3.03            | 263.48      | 3,256.21              | -45.96       | -165.66      | -44.63                  | 0.89                    | -0.84                  | 5.03                  |
| 3,357.00                              | 3.17            | 289.04      | 3,349.07              | -45.40       | -170.53      | -44.03                  | 1.48                    | 0.15                   | 27.48                 |
| 3,430.00                              | 4.76            | 291.98      | 3,421.90              | -43.60       | -175.25      | -42.20                  | 2.20                    | 2.18                   | 4.03                  |
| Tie into OH Start DLS 3.00 TFO 180.00 |                 |             |                       |              |              |                         |                         |                        |                       |
| 3,500.00                              | 2.66            | 291.98      | 3,491.75              | -41.91       | -179.45      | -40.47                  | 3.00                    | -3.00                  | 0.00                  |
| 3,530.00                              | 1.76            | 291.98      | 3,521.72              | -41.47       | -180.52      | -40.02                  | 3.00                    | -3.00                  | 0.00                  |
| Start Drop -1.00                      |                 |             |                       |              |              |                         |                         |                        |                       |
| 3,600.00                              | 1.06            | 291.98      | 3,591.70              | -40.83       | -182.12      | -39.37                  | 1.00                    | -1.00                  | 0.00                  |
| 3,706.24                              | 0.00            | 291.98      | 3,697.94              | -40.46       | -183.04      | -38.99                  | 1.00                    | -1.00                  | 0.00                  |
| Vertical at 3706.24 MD                |                 |             |                       |              |              |                         |                         |                        |                       |
| 3,800.00                              | 0.00            | 291.98      | 3,791.70              | -40.46       | -183.04      | -38.99                  | 0.00                    | 0.00                   | 0.00                  |
| 3,900.00                              | 0.00            | 291.98      | 3,891.70              | -40.46       | -183.04      | -38.99                  | 0.00                    | 0.00                   | 0.00                  |
| 4,000.00                              | 0.00            | 291.98      | 3,991.70              | -40.46       | -183.04      | -38.99                  | 0.00                    | 0.00                   | 0.00                  |
| 4,100.00                              | 0.00            | 291.98      | 4,091.70              | -40.46       | -183.04      | -38.99                  | 0.00                    | 0.00                   | 0.00                  |
| 4,200.00                              | 0.00            | 291.98      | 4,191.70              | -40.46       | -183.04      | -38.99                  | 0.00                    | 0.00                   | 0.00                  |
| 4,300.00                              | 0.00            | 291.98      | 4,291.70              | -40.46       | -183.04      | -38.99                  | 0.00                    | 0.00                   | 0.00                  |
| 4,400.00                              | 0.00            | 291.98      | 4,391.70              | -40.46       | -183.04      | -38.99                  | 0.00                    | 0.00                   | 0.00                  |
| 4,500.00                              | 0.00            | 291.98      | 4,491.70              | -40.46       | -183.04      | -38.99                  | 0.00                    | 0.00                   | 0.00                  |
| 4,600.00                              | 0.00            | 291.98      | 4,591.70              | -40.46       | -183.04      | -38.99                  | 0.00                    | 0.00                   | 0.00                  |

## Legacy Directional Drilling

## Planning Report

|                  |                                |                                     |                                  |
|------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Database:</b> | EDM5000                        | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Company:</b>  | Matador Resources Company      | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Project:</b>  | Lea County, New Mexico (NAD27) | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site:</b>     | Nina Cortell Fed Com           | <b>North Reference:</b>             | Grid                             |
| <b>Well:</b>     | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Wellbore:</b> | ST01                           |                                     |                                  |
| <b>Design:</b>   | Pan 3                          |                                     |                                  |

| 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) |
| 4,700.00                         | 0.00            | 291.98      | 4,691.70              | -40.46       | -183.04      | -38.99                  | 0.00                    | 0.00                   | 0.00                  |
| 4,800.00                         | 0.00            | 291.98      | 4,791.70              | -40.46       | -183.04      | -38.99                  | 0.00                    | 0.00                   | 0.00                  |
| 4,900.00                         | 0.00            | 291.98      | 4,891.70              | -40.46       | -183.04      | -38.99                  | 0.00                    | 0.00                   | 0.00                  |
| 4,947.30                         | 0.00            | 0.00        | 4,939.00              | -40.46       | -183.04      | -38.99                  | 0.00                    | 0.00                   | 0.00                  |
| <b>Bell Canyon</b>               |                 |             |                       |              |              |                         |                         |                        |                       |
| 5,000.00                         | 0.00            | 291.98      | 4,991.70              | -40.46       | -183.04      | -38.99                  | 0.00                    | 0.00                   | 0.00                  |
| 5,100.00                         | 0.00            | 291.98      | 5,091.70              | -40.46       | -183.04      | -38.99                  | 0.00                    | 0.00                   | 0.00                  |
| 5,200.00                         | 0.00            | 291.98      | 5,191.70              | -40.46       | -183.04      | -38.99                  | 0.00                    | 0.00                   | 0.00                  |
| 5,300.00                         | 0.00            | 291.98      | 5,291.70              | -40.46       | -183.04      | -38.99                  | 0.00                    | 0.00                   | 0.00                  |
| 5,400.00                         | 0.00            | 291.98      | 5,391.70              | -40.46       | -183.04      | -38.99                  | 0.00                    | 0.00                   | 0.00                  |
| 5,508.30                         | 0.00            | 0.00        | 5,500.00              | -40.46       | -183.04      | -38.99                  | 0.00                    | 0.00                   | 0.00                  |
| <b>Start DLS 1.00 TFO 255.48</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 5,600.00                         | 0.92            | 255.48      | 5,591.69              | -40.64       | -183.75      | -39.17                  | 1.00                    | 1.00                   | 0.00                  |
| 5,700.00                         | 1.92            | 255.48      | 5,691.66              | -41.26       | -186.14      | -39.77                  | 1.00                    | 1.00                   | 0.00                  |
| 5,800.00                         | 2.92            | 255.48      | 5,791.57              | -42.32       | -190.22      | -40.79                  | 1.00                    | 1.00                   | 0.00                  |
| 5,850.51                         | 3.42            | 255.48      | 5,842.00              | -43.02       | -192.93      | -41.47                  | 1.00                    | 1.00                   | 0.00                  |
| <b>Cherry Canyon</b>             |                 |             |                       |              |              |                         |                         |                        |                       |
| 5,900.00                         | 3.92            | 255.48      | 5,891.39              | -43.82       | -195.99      | -42.24                  | 1.00                    | 1.00                   | 0.00                  |
| 6,000.00                         | 4.92            | 255.48      | 5,991.09              | -45.75       | -203.45      | -44.11                  | 1.00                    | 1.00                   | 0.00                  |
| 6,100.00                         | 5.92            | 255.48      | 6,090.64              | -48.11       | -212.59      | -46.40                  | 1.00                    | 1.00                   | 0.00                  |
| 6,200.00                         | 6.92            | 255.48      | 6,190.02              | -50.91       | -223.41      | -49.12                  | 1.00                    | 1.00                   | 0.00                  |
| 6,240.38                         | 7.32            | 255.48      | 6,230.09              | -52.17       | -228.25      | -50.33                  | 1.00                    | 1.00                   | 0.00                  |
| <b>7.32° at 6240.38 MD</b>       |                 |             |                       |              |              |                         |                         |                        |                       |
| 6,300.00                         | 7.32            | 255.48      | 6,289.22              | -54.07       | -235.61      | -52.18                  | 0.00                    | 0.00                   | 0.00                  |
| 6,400.00                         | 7.32            | 255.48      | 6,388.40              | -57.27       | -247.94      | -55.27                  | 0.00                    | 0.00                   | 0.00                  |
| 6,500.00                         | 7.32            | 255.48      | 6,487.59              | -60.46       | -260.28      | -58.37                  | 0.00                    | 0.00                   | 0.00                  |
| 6,600.00                         | 7.32            | 255.48      | 6,586.77              | -63.65       | -272.61      | -61.46                  | 0.00                    | 0.00                   | 0.00                  |
| 6,700.00                         | 7.32            | 255.48      | 6,685.96              | -66.85       | -284.95      | -64.56                  | 0.00                    | 0.00                   | 0.00                  |
| 6,800.00                         | 7.32            | 255.48      | 6,785.14              | -70.04       | -297.28      | -67.65                  | 0.00                    | 0.00                   | 0.00                  |
| 6,900.00                         | 7.32            | 255.48      | 6,884.33              | -73.24       | -309.62      | -70.75                  | 0.00                    | 0.00                   | 0.00                  |
| 7,000.00                         | 7.32            | 255.48      | 6,983.51              | -76.43       | -321.96      | -73.84                  | 0.00                    | 0.00                   | 0.00                  |
| 7,001.50                         | 7.32            | 255.48      | 6,985.00              | -76.48       | -322.14      | -73.89                  | 0.00                    | 0.00                   | 0.00                  |
| <b>Brushy Canyon</b>             |                 |             |                       |              |              |                         |                         |                        |                       |
| 7,100.00                         | 7.32            | 255.48      | 7,082.70              | -79.62       | -334.29      | -76.94                  | 0.00                    | 0.00                   | 0.00                  |
| 7,200.00                         | 7.32            | 255.48      | 7,181.88              | -82.82       | -346.63      | -80.03                  | 0.00                    | 0.00                   | 0.00                  |
| 7,300.00                         | 7.32            | 255.48      | 7,281.07              | -86.01       | -358.96      | -83.13                  | 0.00                    | 0.00                   | 0.00                  |
| 7,400.00                         | 7.32            | 255.48      | 7,380.25              | -89.21       | -371.30      | -86.22                  | 0.00                    | 0.00                   | 0.00                  |
| 7,500.00                         | 7.32            | 255.48      | 7,479.44              | -92.40       | -383.63      | -89.32                  | 0.00                    | 0.00                   | 0.00                  |
| 7,600.00                         | 7.32            | 255.48      | 7,578.62              | -95.59       | -395.97      | -92.41                  | 0.00                    | 0.00                   | 0.00                  |
| 7,700.00                         | 7.32            | 255.48      | 7,677.81              | -98.79       | -408.30      | -95.51                  | 0.00                    | 0.00                   | 0.00                  |
| 7,800.00                         | 7.32            | 255.48      | 7,776.99              | -101.98      | -420.64      | -98.60                  | 0.00                    | 0.00                   | 0.00                  |
| 7,900.00                         | 7.32            | 255.48      | 7,876.18              | -105.18      | -432.98      | -101.70                 | 0.00                    | 0.00                   | 0.00                  |
| 8,000.00                         | 7.32            | 255.48      | 7,975.36              | -108.37      | -445.31      | -104.79                 | 0.00                    | 0.00                   | 0.00                  |
| 8,100.00                         | 7.32            | 255.48      | 8,074.55              | -111.56      | -457.65      | -107.89                 | 0.00                    | 0.00                   | 0.00                  |
| 8,200.00                         | 7.32            | 255.48      | 8,173.73              | -114.76      | -469.98      | -110.98                 | 0.00                    | 0.00                   | 0.00                  |
| 8,300.00                         | 7.32            | 255.48      | 8,272.92              | -117.95      | -482.32      | -114.07                 | 0.00                    | 0.00                   | 0.00                  |
| 8,400.00                         | 7.32            | 255.48      | 8,372.10              | -121.14      | -494.65      | -117.17                 | 0.00                    | 0.00                   | 0.00                  |
| 8,500.00                         | 7.32            | 255.48      | 8,471.29              | -124.34      | -506.99      | -120.26                 | 0.00                    | 0.00                   | 0.00                  |
| 8,600.00                         | 7.32            | 255.48      | 8,570.47              | -127.53      | -519.33      | -123.36                 | 0.00                    | 0.00                   | 0.00                  |
| 8,700.00                         | 7.32            | 255.48      | 8,669.66              | -130.73      | -531.66      | -126.45                 | 0.00                    | 0.00                   | 0.00                  |
| 8,800.00                         | 7.32            | 255.48      | 8,768.84              | -133.92      | -544.00      | -129.55                 | 0.00                    | 0.00                   | 0.00                  |
| 8,857.63                         | 7.32            | 255.48      | 8,826.00              | -135.76      | -551.11      | -131.33                 | 0.00                    | 0.00                   | 0.00                  |
| <b>Bone Spring Lime</b>          |                 |             |                       |              |              |                         |                         |                        |                       |

## Legacy Directional Drilling

## Planning Report

|                  |                                |                                     |                                  |
|------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Database:</b> | EDM5000                        | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Company:</b>  | Matador Resources Company      | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Project:</b>  | Lea County, New Mexico (NAD27) | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site:</b>     | Nina Cortell Fed Com           | <b>North Reference:</b>             | Grid                             |
| <b>Well:</b>     | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Wellbore:</b> | ST01                           |                                     |                                  |
| <b>Design:</b>   | Pan 3                          |                                     |                                  |

| Planned Survey                 |                 |             |                       |              |              |                         |                         |                        |                       |
|--------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)          | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 8,900.00                       | 7.32            | 255.48      | 8,868.02              | -137.11      | -556.33      | -132.64                 | 0.00                    | 0.00                   | 0.00                  |
| 9,000.00                       | 7.32            | 255.48      | 8,967.21              | -140.31      | -568.67      | -135.74                 | 0.00                    | 0.00                   | 0.00                  |
| 9,100.00                       | 7.32            | 255.48      | 9,066.39              | -143.50      | -581.00      | -138.83                 | 0.00                    | 0.00                   | 0.00                  |
| 9,200.00                       | 7.32            | 255.48      | 9,165.58              | -146.70      | -593.34      | -141.93                 | 0.00                    | 0.00                   | 0.00                  |
| 9,300.00                       | 7.32            | 255.48      | 9,264.76              | -149.89      | -605.68      | -145.02                 | 0.00                    | 0.00                   | 0.00                  |
| 9,400.00                       | 7.32            | 255.48      | 9,363.95              | -153.08      | -618.01      | -148.12                 | 0.00                    | 0.00                   | 0.00                  |
| 9,500.00                       | 7.32            | 255.48      | 9,463.13              | -156.28      | -630.35      | -151.21                 | 0.00                    | 0.00                   | 0.00                  |
| 9,600.00                       | 7.32            | 255.48      | 9,562.32              | -159.47      | -642.68      | -154.31                 | 0.00                    | 0.00                   | 0.00                  |
| 9,700.00                       | 7.32            | 255.48      | 9,661.50              | -162.67      | -655.02      | -157.40                 | 0.00                    | 0.00                   | 0.00                  |
| 9,702.52                       | 7.32            | 255.48      | 9,664.00              | -162.75      | -655.33      | -157.48                 | 0.00                    | 0.00                   | 0.00                  |
| <b>1st Bone Spring Carb</b>    |                 |             |                       |              |              |                         |                         |                        |                       |
| 9,800.00                       | 7.32            | 255.48      | 9,760.69              | -165.86      | -667.35      | -160.50                 | 0.00                    | 0.00                   | 0.00                  |
| 9,900.00                       | 7.32            | 255.48      | 9,859.87              | -169.05      | -679.69      | -163.59                 | 0.00                    | 0.00                   | 0.00                  |
| 9,937.43                       | 7.32            | 255.48      | 9,897.00              | -170.25      | -684.31      | -164.75                 | 0.00                    | 0.00                   | 0.00                  |
| <b>1st Bone Spring Sand</b>    |                 |             |                       |              |              |                         |                         |                        |                       |
| 10,000.00                      | 7.32            | 255.48      | 9,959.06              | -172.25      | -692.02      | -166.69                 | 0.00                    | 0.00                   | 0.00                  |
| 10,100.00                      | 7.32            | 255.48      | 10,058.24             | -175.44      | -704.36      | -169.78                 | 0.00                    | 0.00                   | 0.00                  |
| 10,200.00                      | 7.32            | 255.48      | 10,157.43             | -178.64      | -716.70      | -172.88                 | 0.00                    | 0.00                   | 0.00                  |
| 10,220.74                      | 7.32            | 255.48      | 10,178.00             | -179.30      | -719.25      | -173.52                 | 0.00                    | 0.00                   | 0.00                  |
| <b>2nd Bone Spring Carb</b>    |                 |             |                       |              |              |                         |                         |                        |                       |
| 10,300.00                      | 7.32            | 255.48      | 10,256.61             | -181.83      | -729.03      | -175.97                 | 0.00                    | 0.00                   | 0.00                  |
| 10,400.00                      | 7.32            | 255.48      | 10,355.80             | -185.02      | -741.37      | -179.07                 | 0.00                    | 0.00                   | 0.00                  |
| 10,500.00                      | 7.32            | 255.48      | 10,454.98             | -188.22      | -753.70      | -182.16                 | 0.00                    | 0.00                   | 0.00                  |
| 10,592.52                      | 7.32            | 255.48      | 10,546.74             | -191.17      | -765.12      | -185.02                 | 0.00                    | 0.00                   | 0.00                  |
| <b>Start Drop -1.00</b>        |                 |             |                       |              |              |                         |                         |                        |                       |
| 10,600.00                      | 7.25            | 255.48      | 10,554.17             | -191.41      | -766.03      | -185.25                 | 1.00                    | -1.00                  | 0.00                  |
| 10,602.86                      | 7.22            | 255.48      | 10,557.00             | -191.50      | -766.38      | -185.34                 | 1.00                    | -1.00                  | 0.00                  |
| <b>2nd Bone Spring Sand</b>    |                 |             |                       |              |              |                         |                         |                        |                       |
| 10,700.00                      | 6.25            | 255.48      | 10,653.47             | -194.36      | -777.41      | -188.11                 | 1.00                    | -1.00                  | 0.00                  |
| 10,800.00                      | 5.25            | 255.48      | 10,752.97             | -196.86      | -787.10      | -190.54                 | 1.00                    | -1.00                  | 0.00                  |
| 10,900.00                      | 4.25            | 255.48      | 10,852.63             | -198.94      | -795.11      | -192.55                 | 1.00                    | -1.00                  | 0.00                  |
| 11,000.00                      | 3.25            | 255.48      | 10,952.41             | -200.58      | -801.43      | -194.14                 | 1.00                    | -1.00                  | 0.00                  |
| 11,026.63                      | 2.98            | 255.48      | 10,979.00             | -200.94      | -802.83      | -194.49                 | 1.00                    | -1.00                  | 0.00                  |
| <b>3rd Bone Spring Carb</b>    |                 |             |                       |              |              |                         |                         |                        |                       |
| 11,100.00                      | 2.25            | 255.48      | 11,052.30             | -201.78      | -806.07      | -195.30                 | 1.00                    | -1.00                  | 0.00                  |
| 11,200.00                      | 1.25            | 255.48      | 11,152.25             | -202.54      | -809.02      | -196.04                 | 1.00                    | -1.00                  | 0.00                  |
| 11,300.00                      | 0.25            | 255.48      | 11,252.24             | -202.87      | -810.28      | -196.35                 | 1.00                    | -1.00                  | 0.00                  |
| 11,324.59                      | 0.00            | 0.00        | 11,276.83             | -202.88      | -810.33      | -196.37                 | 1.00                    | -1.00                  | 0.00                  |
| <b>Vertical at 11324.59 MD</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 11,400.00                      | 0.00            | 0.00        | 11,352.24             | -202.88      | -810.33      | -196.37                 | 0.00                    | 0.00                   | 0.00                  |
| 11,500.00                      | 0.00            | 0.00        | 11,452.24             | -202.88      | -810.33      | -196.37                 | 0.00                    | 0.00                   | 0.00                  |
| 11,524.59                      | 0.00            | 0.00        | 11,476.83             | -202.88      | -810.33      | -196.37                 | 0.00                    | 0.00                   | 0.00                  |
| <b>Start Build 8.00</b>        |                 |             |                       |              |              |                         |                         |                        |                       |
| 11,550.00                      | 2.03            | 354.39      | 11,502.23             | -202.43      | -810.37      | -195.92                 | 8.00                    | 8.00                   | 0.00                  |
| 11,600.00                      | 6.03            | 354.39      | 11,552.10             | -198.93      | -810.72      | -192.42                 | 8.00                    | 8.00                   | 0.00                  |
| 11,650.00                      | 10.03           | 354.39      | 11,601.60             | -191.98      | -811.40      | -185.46                 | 8.00                    | 8.00                   | 0.00                  |
| 11,663.63                      | 11.12           | 354.39      | 11,615.00             | -189.49      | -811.65      | -182.97                 | 8.00                    | 8.00                   | 0.00                  |
| <b>3rd Bone Spring Sand</b>    |                 |             |                       |              |              |                         |                         |                        |                       |
| 11,673.84                      | 11.94           | 354.39      | 11,625.00             | -187.46      | -811.84      | -180.94                 | 8.00                    | 8.00                   | 0.00                  |
| <b>Start Build 8.00</b>        |                 |             |                       |              |              |                         |                         |                        |                       |
| 11,700.00                      | 14.03           | 354.39      | 11,650.49             | -181.61      | -812.42      | -175.08                 | 8.00                    | 8.00                   | 0.00                  |
| 11,750.00                      | 18.03           | 354.39      | 11,698.53             | -167.87      | -813.77      | -161.33                 | 8.00                    | 8.00                   | 0.00                  |
| 11,800.00                      | 22.03           | 354.39      | 11,745.50             | -150.83      | -815.44      | -144.28                 | 8.00                    | 8.00                   | 0.00                  |

## Legacy Directional Drilling

## Planning Report

|                  |                                |                                     |                                  |
|------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Database:</b> | EDM5000                        | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Company:</b>  | Matador Resources Company      | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Project:</b>  | Lea County, New Mexico (NAD27) | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site:</b>     | Nina Cortell Fed Com           | <b>North Reference:</b>             | Grid                             |
| <b>Well:</b>     | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Wellbore:</b> | ST01                           |                                     |                                  |
| <b>Design:</b>   | Pan 3                          |                                     |                                  |

| Planned Survey                            |                 |             |                       |              |              |                         |                         |                        |                       |
|-------------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)                     | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 11,823.35                                 | 23.90           | 354.39      | 11,767.00             | -141.76      | -816.33      | -135.20                 | 8.00                    | 8.00                   | 0.00                  |
| <b>7 5/8"</b>                             |                 |             |                       |              |              |                         |                         |                        |                       |
| 11,823.84                                 | 23.94           | 354.39      | 11,767.45             | -141.56      | -816.35      | -135.00                 | 8.00                    | 8.00                   | 0.00                  |
| <b>Start Build 10.00</b>                  |                 |             |                       |              |              |                         |                         |                        |                       |
| 11,850.00                                 | 26.56           | 354.39      | 11,791.11             | -130.46      | -817.44      | -123.89                 | 10.00                   | 10.00                  | 0.00                  |
| 11,900.00                                 | 31.56           | 354.39      | 11,834.80             | -106.30      | -819.82      | -99.71                  | 10.00                   | 10.00                  | 0.00                  |
| 11,950.00                                 | 36.56           | 354.39      | 11,876.21             | -78.44       | -822.55      | -71.84                  | 10.00                   | 10.00                  | 0.00                  |
| 12,000.00                                 | 41.56           | 354.39      | 11,915.02             | -47.10       | -825.63      | -40.47                  | 10.00                   | 10.00                  | 0.00                  |
| 12,050.00                                 | 46.56           | 354.39      | 11,950.95             | -12.51       | -829.03      | -5.85                   | 10.00                   | 10.00                  | 0.00                  |
| 12,100.00                                 | 51.56           | 354.39      | 11,983.70             | 25.07        | -832.72      | 31.75                   | 10.00                   | 10.00                  | 0.00                  |
| 12,150.00                                 | 56.56           | 354.39      | 12,013.04             | 65.34        | -836.68      | 72.05                   | 10.00                   | 10.00                  | 0.00                  |
| 12,200.00                                 | 61.56           | 354.39      | 12,038.74             | 108.00       | -840.87      | 114.75                  | 10.00                   | 10.00                  | 0.00                  |
| 12,250.00                                 | 66.56           | 354.39      | 12,060.61             | 152.73       | -845.26      | 159.51                  | 10.00                   | 10.00                  | 0.00                  |
| 12,300.00                                 | 71.56           | 354.39      | 12,078.48             | 199.19       | -849.82      | 206.01                  | 10.00                   | 10.00                  | 0.00                  |
| 12,350.00                                 | 76.56           | 354.39      | 12,092.21             | 247.02       | -854.52      | 253.88                  | 10.00                   | 10.00                  | 0.00                  |
| 12,400.00                                 | 81.56           | 354.39      | 12,101.70             | 295.86       | -859.32      | 302.75                  | 10.00                   | 10.00                  | 0.00                  |
| 12,450.00                                 | 86.56           | 354.39      | 12,106.88             | 345.34       | -864.18      | 352.27                  | 10.00                   | 10.00                  | 0.00                  |
| 12,487.44                                 | 90.30           | 354.39      | 12,107.90             | 382.58       | -867.84      | 389.54                  | 10.00                   | 10.00                  | 0.00                  |
| <b>LP 90.30° at 12487.44 MD</b>           |                 |             |                       |              |              |                         |                         |                        |                       |
| 12,500.00                                 | 90.30           | 354.39      | 12,107.84             | 395.08       | -869.07      | 402.04                  | 0.00                    | 0.00                   | 0.00                  |
| 12,587.44                                 | 90.30           | 354.39      | 12,107.38             | 482.10       | -877.61      | 489.13                  | 0.00                    | 0.00                   | 0.00                  |
| <b>Start DLS 2.00 TFO 90.00</b>           |                 |             |                       |              |              |                         |                         |                        |                       |
| 12,600.00                                 | 90.30           | 354.64      | 12,107.31             | 494.60       | -878.81      | 501.64                  | 2.00                    | 0.00                   | 2.00                  |
| 12,700.00                                 | 90.30           | 356.64      | 12,106.79             | 594.31       | -886.41      | 601.40                  | 2.00                    | 0.00                   | 2.00                  |
| 12,800.00                                 | 90.30           | 358.64      | 12,106.27             | 694.22       | -890.53      | 701.34                  | 2.00                    | 0.00                   | 2.00                  |
| 12,844.80                                 | 90.30           | 359.54      | 12,106.04             | 739.01       | -891.24      | 746.14                  | 2.00                    | 0.00                   | 2.00                  |
| <b>End of Turn at 12844.80 MD</b>         |                 |             |                       |              |              |                         |                         |                        |                       |
| 12,900.00                                 | 90.30           | 359.54      | 12,105.75             | 794.21       | -891.69      | 801.34                  | 0.00                    | 0.00                   | 0.00                  |
| 13,000.00                                 | 90.30           | 359.54      | 12,105.23             | 894.20       | -892.49      | 901.34                  | 0.00                    | 0.00                   | 0.00                  |
| 13,100.00                                 | 90.30           | 359.54      | 12,104.71             | 994.20       | -893.30      | 1,001.34                | 0.00                    | 0.00                   | 0.00                  |
| 13,200.00                                 | 90.30           | 359.54      | 12,104.19             | 1,094.19     | -894.11      | 1,101.34                | 0.00                    | 0.00                   | 0.00                  |
| 13,300.00                                 | 90.30           | 359.54      | 12,103.67             | 1,194.19     | -894.92      | 1,201.33                | 0.00                    | 0.00                   | 0.00                  |
| 13,400.00                                 | 90.30           | 359.54      | 12,103.14             | 1,294.18     | -895.73      | 1,301.33                | 0.00                    | 0.00                   | 0.00                  |
| 13,500.00                                 | 90.30           | 359.54      | 12,102.62             | 1,394.18     | -896.53      | 1,401.33                | 0.00                    | 0.00                   | 0.00                  |
| 13,598.67                                 | 90.30           | 359.54      | 12,102.11             | 1,492.84     | -897.33      | 1,500.00                | 0.00                    | 0.00                   | 0.00                  |
| <b>1500'VS Start DLS 2.00 TFO -178.90</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 13,600.00                                 | 90.27           | 359.54      | 12,102.10             | 1,494.17     | -897.34      | 1,501.33                | 2.00                    | -2.00                  | -0.04                 |
| 13,613.51                                 | 90.00           | 359.53      | 12,102.07             | 1,507.68     | -897.45      | 1,514.83                | 2.00                    | -2.00                  | -0.04                 |
| <b>90.00° at 13613.51 MD</b>              |                 |             |                       |              |              |                         |                         |                        |                       |
| 13,700.00                                 | 90.00           | 359.53      | 12,102.07             | 1,594.17     | -898.16      | 1,601.33                | 0.00                    | 0.00                   | 0.00                  |
| 13,800.00                                 | 90.00           | 359.53      | 12,102.07             | 1,694.17     | -898.98      | 1,701.33                | 0.00                    | 0.00                   | 0.00                  |
| 13,900.00                                 | 90.00           | 359.53      | 12,102.06             | 1,794.16     | -899.79      | 1,801.33                | 0.00                    | 0.00                   | 0.00                  |
| 14,000.00                                 | 90.00           | 359.53      | 12,102.06             | 1,894.16     | -900.61      | 1,901.33                | 0.00                    | 0.00                   | 0.00                  |
| 14,100.00                                 | 90.00           | 359.53      | 12,102.06             | 1,994.16     | -901.43      | 2,001.33                | 0.00                    | 0.00                   | 0.00                  |
| 14,200.00                                 | 90.00           | 359.53      | 12,102.05             | 2,094.15     | -902.25      | 2,101.33                | 0.00                    | 0.00                   | 0.00                  |
| 14,300.00                                 | 90.00           | 359.53      | 12,102.05             | 2,194.15     | -903.06      | 2,201.33                | 0.00                    | 0.00                   | 0.00                  |
| 14,400.00                                 | 90.00           | 359.53      | 12,102.05             | 2,294.15     | -903.88      | 2,301.33                | 0.00                    | 0.00                   | 0.00                  |
| 14,500.00                                 | 90.00           | 359.53      | 12,102.05             | 2,394.14     | -904.70      | 2,401.33                | 0.00                    | 0.00                   | 0.00                  |
| 14,600.00                                 | 90.00           | 359.53      | 12,102.04             | 2,494.14     | -905.52      | 2,501.33                | 0.00                    | 0.00                   | 0.00                  |
| 14,700.00                                 | 90.00           | 359.53      | 12,102.04             | 2,594.14     | -906.33      | 2,601.33                | 0.00                    | 0.00                   | 0.00                  |
| 14,800.00                                 | 90.00           | 359.53      | 12,102.04             | 2,694.13     | -907.15      | 2,701.33                | 0.00                    | 0.00                   | 0.00                  |
| 14,900.00                                 | 90.00           | 359.53      | 12,102.03             | 2,794.13     | -907.97      | 2,801.33                | 0.00                    | 0.00                   | 0.00                  |
| 15,000.00                                 | 90.00           | 359.53      | 12,102.03             | 2,894.13     | -908.79      | 2,901.33                | 0.00                    | 0.00                   | 0.00                  |



## Legacy Directional Drilling

## Planning Report

|                  |                                |                                     |                                  |
|------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Database:</b> | EDM5000                        | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Company:</b>  | Matador Resources Company      | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Project:</b>  | Lea County, New Mexico (NAD27) | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site:</b>     | Nina Cortell Fed Com           | <b>North Reference:</b>             | Grid                             |
| <b>Well:</b>     | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Wellbore:</b> | ST01                           |                                     |                                  |
| <b>Design:</b>   | Pan 3                          |                                     |                                  |

| 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) |
| 15,100.00                          | 90.00           | 359.53      | 12,102.03             | 2,994.12     | -909.60      | 3,001.33                | 0.00                    | 0.00                   | 0.00                  |
| 15,200.00                          | 90.00           | 359.53      | 12,102.03             | 3,094.12     | -910.42      | 3,101.33                | 0.00                    | 0.00                   | 0.00                  |
| 15,300.00                          | 90.00           | 359.53      | 12,102.02             | 3,194.12     | -911.24      | 3,201.33                | 0.00                    | 0.00                   | 0.00                  |
| 15,400.00                          | 90.00           | 359.53      | 12,102.02             | 3,294.11     | -912.06      | 3,301.33                | 0.00                    | 0.00                   | 0.00                  |
| 15,500.00                          | 90.00           | 359.53      | 12,102.02             | 3,394.11     | -912.88      | 3,401.33                | 0.00                    | 0.00                   | 0.00                  |
| 15,600.00                          | 90.00           | 359.53      | 12,102.01             | 3,494.11     | -913.69      | 3,501.33                | 0.00                    | 0.00                   | 0.00                  |
| 15,700.00                          | 90.00           | 359.53      | 12,102.01             | 3,594.10     | -914.51      | 3,601.33                | 0.00                    | 0.00                   | 0.00                  |
| 15,800.00                          | 90.00           | 359.53      | 12,102.01             | 3,694.10     | -915.33      | 3,701.33                | 0.00                    | 0.00                   | 0.00                  |
| 15,900.00                          | 90.00           | 359.53      | 12,102.01             | 3,794.10     | -916.15      | 3,801.33                | 0.00                    | 0.00                   | 0.00                  |
| 16,000.00                          | 90.00           | 359.53      | 12,102.00             | 3,894.09     | -916.96      | 3,901.33                | 0.00                    | 0.00                   | 0.00                  |
| 16,098.67                          | 90.00           | 359.53      | 12,102.00             | 3,992.76     | -917.77      | 4,000.00                | 0.00                    | 0.00                   | 0.00                  |
| 4000'VS Start DLS 2.00 TFO 4.73    |                 |             |                       |              |              |                         |                         |                        |                       |
| 16,104.35                          | 90.11           | 359.54      | 12,101.99             | 3,998.44     | -917.82      | 4,005.68                | 2.00                    | 1.99                   | 0.16                  |
| 90.11° at 16104.35 MD              |                 |             |                       |              |              |                         |                         |                        |                       |
| 16,200.00                          | 90.11           | 359.54      | 12,101.80             | 4,094.09     | -918.58      | 4,101.33                | 0.00                    | 0.00                   | 0.00                  |
| 16,300.00                          | 90.11           | 359.54      | 12,101.60             | 4,194.08     | -919.38      | 4,201.33                | 0.00                    | 0.00                   | 0.00                  |
| 16,400.00                          | 90.11           | 359.54      | 12,101.40             | 4,294.08     | -920.19      | 4,301.33                | 0.00                    | 0.00                   | 0.00                  |
| 16,500.00                          | 90.11           | 359.54      | 12,101.20             | 4,394.08     | -920.99      | 4,401.33                | 0.00                    | 0.00                   | 0.00                  |
| 16,600.00                          | 90.11           | 359.54      | 12,101.00             | 4,494.07     | -921.79      | 4,501.33                | 0.00                    | 0.00                   | 0.00                  |
| 16,700.00                          | 90.11           | 359.54      | 12,100.80             | 4,594.07     | -922.59      | 4,601.33                | 0.00                    | 0.00                   | 0.00                  |
| 16,800.00                          | 90.11           | 359.54      | 12,100.60             | 4,694.07     | -923.39      | 4,701.33                | 0.00                    | 0.00                   | 0.00                  |
| 16,900.00                          | 90.11           | 359.54      | 12,100.40             | 4,794.06     | -924.19      | 4,801.33                | 0.00                    | 0.00                   | 0.00                  |
| 17,000.00                          | 90.11           | 359.54      | 12,100.20             | 4,894.06     | -924.99      | 4,901.33                | 0.00                    | 0.00                   | 0.00                  |
| 17,100.00                          | 90.11           | 359.54      | 12,100.00             | 4,994.06     | -925.79      | 5,001.33                | 0.00                    | 0.00                   | 0.00                  |
| 17,200.00                          | 90.11           | 359.54      | 12,099.80             | 5,094.05     | -926.60      | 5,101.33                | 0.00                    | 0.00                   | 0.00                  |
| 17,300.00                          | 90.11           | 359.54      | 12,099.60             | 5,194.05     | -927.40      | 5,201.33                | 0.00                    | 0.00                   | 0.00                  |
| 17,400.00                          | 90.11           | 359.54      | 12,099.40             | 5,294.05     | -928.20      | 5,301.33                | 0.00                    | 0.00                   | 0.00                  |
| 17,500.00                          | 90.11           | 359.54      | 12,099.20             | 5,394.04     | -929.00      | 5,401.33                | 0.00                    | 0.00                   | 0.00                  |
| 17,598.67                          | 90.11           | 359.54      | 12,099.00             | 5,492.71     | -929.79      | 5,500.00                | 0.00                    | 0.00                   | 0.00                  |
| 5500'VS Start DLS 2.00 TFO -179.99 |                 |             |                       |              |              |                         |                         |                        |                       |
| 17,600.00                          | 90.09           | 359.54      | 12,099.00             | 5,494.04     | -929.80      | 5,501.33                | 2.00                    | -2.00                  | 0.00                  |
| 17,624.63                          | 89.60           | 359.54      | 12,099.07             | 5,518.67     | -930.00      | 5,525.96                | 2.00                    | -2.00                  | 0.00                  |
| 89.60° at 17624.63 MD              |                 |             |                       |              |              |                         |                         |                        |                       |
| 17,700.00                          | 89.60           | 359.54      | 12,099.60             | 5,594.03     | -930.60      | 5,601.32                | 0.00                    | 0.00                   | 0.00                  |
| 17,800.00                          | 89.60           | 359.54      | 12,100.30             | 5,694.03     | -931.40      | 5,701.32                | 0.00                    | 0.00                   | 0.00                  |
| 17,900.00                          | 89.60           | 359.54      | 12,101.01             | 5,794.02     | -932.21      | 5,801.32                | 0.00                    | 0.00                   | 0.00                  |
| 18,000.00                          | 89.60           | 359.54      | 12,101.72             | 5,894.02     | -933.01      | 5,901.32                | 0.00                    | 0.00                   | 0.00                  |
| 18,100.00                          | 89.60           | 359.54      | 12,102.42             | 5,994.01     | -933.81      | 6,001.31                | 0.00                    | 0.00                   | 0.00                  |
| 18,200.00                          | 89.60           | 359.54      | 12,103.13             | 6,094.01     | -934.61      | 6,101.31                | 0.00                    | 0.00                   | 0.00                  |
| 18,300.00                          | 89.60           | 359.54      | 12,103.83             | 6,194.00     | -935.41      | 6,201.31                | 0.00                    | 0.00                   | 0.00                  |
| 18,400.00                          | 89.60           | 359.54      | 12,104.54             | 6,293.99     | -936.21      | 6,301.31                | 0.00                    | 0.00                   | 0.00                  |
| 18,500.00                          | 89.60           | 359.54      | 12,105.24             | 6,393.99     | -937.01      | 6,401.30                | 0.00                    | 0.00                   | 0.00                  |
| 18,600.00                          | 89.60           | 359.54      | 12,105.95             | 6,493.98     | -937.82      | 6,501.30                | 0.00                    | 0.00                   | 0.00                  |
| 18,700.00                          | 89.60           | 359.54      | 12,106.66             | 6,593.98     | -938.62      | 6,601.30                | 0.00                    | 0.00                   | 0.00                  |
| 18,800.00                          | 89.60           | 359.54      | 12,107.36             | 6,693.97     | -939.42      | 6,701.30                | 0.00                    | 0.00                   | 0.00                  |
| 18,900.00                          | 89.60           | 359.54      | 12,108.07             | 6,793.97     | -940.22      | 6,801.29                | 0.00                    | 0.00                   | 0.00                  |
| 19,000.00                          | 89.60           | 359.54      | 12,108.77             | 6,893.96     | -941.02      | 6,901.29                | 0.00                    | 0.00                   | 0.00                  |
| 19,100.00                          | 89.60           | 359.54      | 12,109.48             | 6,993.95     | -941.82      | 7,001.29                | 0.00                    | 0.00                   | 0.00                  |
| 19,200.00                          | 89.60           | 359.54      | 12,110.19             | 7,093.95     | -942.62      | 7,101.29                | 0.00                    | 0.00                   | 0.00                  |
| 19,300.00                          | 89.60           | 359.54      | 12,110.89             | 7,193.94     | -943.43      | 7,201.28                | 0.00                    | 0.00                   | 0.00                  |
| 19,400.00                          | 89.60           | 359.54      | 12,111.60             | 7,293.94     | -944.23      | 7,301.28                | 0.00                    | 0.00                   | 0.00                  |
| 19,500.00                          | 89.60           | 359.54      | 12,112.30             | 7,393.93     | -945.03      | 7,401.28                | 0.00                    | 0.00                   | 0.00                  |
| 19,598.73                          | 89.60           | 359.54      | 12,113.00             | 7,492.65     | -945.82      | 7,500.00                | 0.00                    | 0.00                   | 0.00                  |
| 7500'VS Start DLS 2.00 TFO 0.00    |                 |             |                       |              |              |                         |                         |                        |                       |

## Legacy Directional Drilling

## Planning Report

|                  |                                |                                     |                                  |
|------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Database:</b> | EDM5000                        | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Company:</b>  | Matador Resources Company      | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Project:</b>  | Lea County, New Mexico (NAD27) | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site:</b>     | Nina Cortell Fed Com           | <b>North Reference:</b>             | Grid                             |
| <b>Well:</b>     | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Wellbore:</b> | ST01                           |                                     |                                  |
| <b>Design:</b>   | Pan 3                          |                                     |                                  |

| Planned Survey                     |                 |             |                       |              |              |                         |                         |                        |                       |
|------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)              | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 19,600.00                          | 89.62           | 359.54      | 12,113.01             | 7,493.93     | -945.83      | 7,501.28                | 2.00                    | 2.00                   | 0.00                  |
| 19,655.01                          | 90.72           | 359.54      | 12,112.84             | 7,548.93     | -946.27      | 7,556.29                | 2.00                    | 2.00                   | 0.00                  |
| <b>90.72° at 19655.01 MD</b>       |                 |             |                       |              |              |                         |                         |                        |                       |
| 19,700.00                          | 90.72           | 359.54      | 12,112.28             | 7,593.92     | -946.63      | 7,601.27                | 0.00                    | 0.00                   | 0.00                  |
| 19,800.00                          | 90.72           | 359.54      | 12,111.02             | 7,693.91     | -947.43      | 7,701.26                | 0.00                    | 0.00                   | 0.00                  |
| 19,900.00                          | 90.72           | 359.54      | 12,109.76             | 7,793.90     | -948.23      | 7,801.26                | 0.00                    | 0.00                   | 0.00                  |
| 20,000.00                          | 90.72           | 359.54      | 12,108.50             | 7,893.88     | -949.04      | 7,901.25                | 0.00                    | 0.00                   | 0.00                  |
| 20,100.00                          | 90.72           | 359.54      | 12,107.24             | 7,993.87     | -949.84      | 8,001.24                | 0.00                    | 0.00                   | 0.00                  |
| 20,200.00                          | 90.72           | 359.54      | 12,105.98             | 8,093.86     | -950.64      | 8,101.23                | 0.00                    | 0.00                   | 0.00                  |
| 20,300.00                          | 90.72           | 359.54      | 12,104.73             | 8,193.85     | -951.44      | 8,201.23                | 0.00                    | 0.00                   | 0.00                  |
| 20,400.00                          | 90.72           | 359.54      | 12,103.47             | 8,293.84     | -952.24      | 8,301.22                | 0.00                    | 0.00                   | 0.00                  |
| 20,500.00                          | 90.72           | 359.54      | 12,102.21             | 8,393.83     | -953.04      | 8,401.21                | 0.00                    | 0.00                   | 0.00                  |
| 20,600.00                          | 90.72           | 359.54      | 12,100.95             | 8,493.82     | -953.84      | 8,501.20                | 0.00                    | 0.00                   | 0.00                  |
| 20,700.00                          | 90.72           | 359.54      | 12,099.69             | 8,593.81     | -954.64      | 8,601.19                | 0.00                    | 0.00                   | 0.00                  |
| 20,800.00                          | 90.72           | 359.54      | 12,098.43             | 8,693.79     | -955.45      | 8,701.19                | 0.00                    | 0.00                   | 0.00                  |
| 20,900.00                          | 90.72           | 359.54      | 12,097.17             | 8,793.78     | -956.25      | 8,801.18                | 0.00                    | 0.00                   | 0.00                  |
| 21,000.00                          | 90.72           | 359.54      | 12,095.91             | 8,893.77     | -957.05      | 8,901.17                | 0.00                    | 0.00                   | 0.00                  |
| 21,100.00                          | 90.72           | 359.54      | 12,094.66             | 8,993.76     | -957.85      | 9,001.16                | 0.00                    | 0.00                   | 0.00                  |
| 21,200.00                          | 90.72           | 359.54      | 12,093.40             | 9,093.75     | -958.65      | 9,101.15                | 0.00                    | 0.00                   | 0.00                  |
| 21,300.00                          | 90.72           | 359.54      | 12,092.14             | 9,193.74     | -959.45      | 9,201.15                | 0.00                    | 0.00                   | 0.00                  |
| 21,400.00                          | 90.72           | 359.54      | 12,090.88             | 9,293.73     | -960.25      | 9,301.14                | 0.00                    | 0.00                   | 0.00                  |
| 21,500.00                          | 90.72           | 359.54      | 12,089.62             | 9,393.72     | -961.05      | 9,401.13                | 0.00                    | 0.00                   | 0.00                  |
| 21,600.00                          | 90.72           | 359.54      | 12,088.36             | 9,493.71     | -961.86      | 9,501.12                | 0.00                    | 0.00                   | 0.00                  |
| 21,700.00                          | 90.72           | 359.54      | 12,087.10             | 9,593.69     | -962.66      | 9,601.11                | 0.00                    | 0.00                   | 0.00                  |
| 21,800.00                          | 90.72           | 359.54      | 12,085.84             | 9,693.68     | -963.46      | 9,701.11                | 0.00                    | 0.00                   | 0.00                  |
| 21,900.00                          | 90.72           | 359.54      | 12,084.58             | 9,793.67     | -964.26      | 9,801.10                | 0.00                    | 0.00                   | 0.00                  |
| 22,000.00                          | 90.72           | 359.54      | 12,083.33             | 9,893.66     | -965.06      | 9,901.09                | 0.00                    | 0.00                   | 0.00                  |
| 22,100.00                          | 90.72           | 359.54      | 12,082.07             | 9,993.65     | -965.86      | 10,001.08               | 0.00                    | 0.00                   | 0.00                  |
| 22,200.00                          | 90.72           | 359.54      | 12,080.81             | 10,093.64    | -966.66      | 10,101.07               | 0.00                    | 0.00                   | 0.00                  |
| 22,294.38                          | 90.72           | 359.54      | 12,079.62             | 10,188.01    | -967.42      | 10,195.45               | 0.00                    | 0.00                   | 0.00                  |
| <b>PBHL (110' FNL) at 22294.38</b> |                 |             |                       |              |              |                         |                         |                        |                       |

## Legacy Directional Drilling

## Planning Report

|                  |                                |                                     |                                  |
|------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Database:</b> | EDM5000                        | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Company:</b>  | Matador Resources Company      | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Project:</b>  | Lea County, New Mexico (NAD27) | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site:</b>     | Nina Cortell Fed Com           | <b>North Reference:</b>             | Grid                             |
| <b>Well:</b>     | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Wellbore:</b> | ST01                           |                                     |                                  |
| <b>Design:</b>   | Pan 3                          |                                     |                                  |

| Design Targets                                                                                                                          |                  |                 |               |                 |                 |                    |                   |           |             |
|-----------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------|---------------|-----------------|-----------------|--------------------|-------------------|-----------|-------------|
| Target Name<br>- hit/miss target<br>- Shape                                                                                             | Dip Angle<br>(°) | Dip Dir.<br>(°) | TVD<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Northing<br>(usft) | Easting<br>(usft) | Latitude  | Longitude   |
| PBHL (LPP -10') - Nina C<br>- plan hits target center<br>- Point                                                                        | 0.00             | 0.00            | 12,079.62     | 10,188.01       | -967.42         | 519,914.01         | 707,483.58        | 32.427562 | -103.660888 |
| 5500'VS - Nina Cortell F<br>- plan hits target center<br>- Point                                                                        | 0.00             | 0.00            | 12,099.00     | 5,492.71        | -929.79         | 515,218.71         | 707,521.21        | 32.414656 | -103.660862 |
| 4000'VS - Nina Cortell F<br>- plan hits target center<br>- Point                                                                        | 0.00             | 0.00            | 12,102.00     | 3,992.76        | -917.77         | 513,718.76         | 707,533.23        | 32.410532 | -103.660853 |
| 1500'VS - Nina Cortell F<br>- plan hits target center<br>- Point                                                                        | 0.00             | 0.00            | 12,102.11     | 1,492.84        | -897.33         | 511,218.84         | 707,553.67        | 32.403660 | -103.660838 |
| FPP - Nina Cortell Fed C<br>- plan misses target center by 216.76usft at 12051.20usft MD (11951.77 TVD, -11.64 N, -829.11 E)<br>- Point | 0.00             | 0.00            | 12,107.00     | -152.41         | -884.55         | 509,573.59         | 707,566.45        | 32.399138 | -103.660830 |
| LP - Nina Cortell Fed Cc<br>- plan misses target center by 21.97usft at 12477.63usft MD (12107.87 TVD, 372.82 N, -866.88 E)<br>- Point  | 0.00             | 0.00            | 12,107.88     | 370.67          | -888.74         | 510,096.67         | 707,562.26        | 32.400576 | -103.660833 |
| 7500'VS - Nina Cortell F<br>- plan hits target center<br>- Point                                                                        | 0.00             | 0.00            | 12,113.00     | 7,492.65        | -945.82         | 517,218.65         | 707,505.18        | 32.420153 | -103.660873 |

| Casing Points               |                             |        |                           |                         |
|-----------------------------|-----------------------------|--------|---------------------------|-------------------------|
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Name   | Casing<br>Diameter<br>(") | Hole<br>Diameter<br>(") |
| 11,823.35                   | 11,767.00                   | 7 5/8" | 7-5/8                     | 7-5/8                   |

| Formations                  |                             |                      |           |            |                         |
|-----------------------------|-----------------------------|----------------------|-----------|------------|-------------------------|
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Name                 | Lithology | Dip<br>(°) | Dip<br>Direction<br>(°) |
| 839.04                      | 839.00                      | Rustler              |           | 0.00       |                         |
| 1,191.08                    | 1,191.00                    | Salado               |           | 0.00       |                         |
| 3,292.83                    | 3,285.00                    | Castile              |           | 0.00       |                         |
| 4,947.30                    | 4,939.00                    | Bell Canyon          |           | 0.00       |                         |
| 5,850.51                    | 5,842.00                    | Cherry Canyon        |           | 0.00       |                         |
| 7,001.50                    | 6,985.00                    | Brushy Canyon        |           | 0.00       |                         |
| 8,857.63                    | 8,826.00                    | Bone Spring Lime     |           | 0.00       |                         |
| 9,702.52                    | 9,664.00                    | 1st Bone Spring Carb |           | 0.00       |                         |
| 9,937.43                    | 9,897.00                    | 1st Bone Spring Sand |           | 0.00       |                         |
| 10,220.74                   | 10,178.00                   | 2nd Bone Spring Carb |           | 0.00       |                         |
| 10,602.86                   | 10,557.00                   | 2nd Bone Spring Sand |           | 0.00       |                         |
| 11,026.63                   | 10,979.00                   | 3rd Bone Spring Carb |           | 0.00       |                         |
| 11,663.63                   | 11,615.00                   | 3rd Bone Spring Sand |           | 0.00       |                         |

## Legacy Directional Drilling

## Planning Report

|                  |                                |                                     |                                  |
|------------------|--------------------------------|-------------------------------------|----------------------------------|
| <b>Database:</b> | EDM5000                        | <b>Local Co-ordinate Reference:</b> | Well Nina Cortell Fed Com 203H   |
| <b>Company:</b>  | Matador Resources Company      | <b>TVD Reference:</b>               | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Project:</b>  | Lea County, New Mexico (NAD27) | <b>MD Reference:</b>                | GL 3790 + 28.5' KB @ 3818.50usft |
| <b>Site:</b>     | Nina Cortell Fed Com           | <b>North Reference:</b>             | Grid                             |
| <b>Well:</b>     | Nina Cortell Fed Com 203H      | <b>Survey Calculation Method:</b>   | Minimum Curvature                |
| <b>Wellbore:</b> | ST01                           |                                     |                                  |
| <b>Design:</b>   | Pan 3                          |                                     |                                  |

| Plan Annotations      |                       |                   |              |                                       |
|-----------------------|-----------------------|-------------------|--------------|---------------------------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              | Comment                               |
|                       |                       | +N/-S (usft)      | +E/-W (usft) |                                       |
| 3,430.00              | 3,421.90              | -43.60            | -175.25      | Tie into OH Start DLS 3.00 TFO 180.00 |
| 3,530.00              | 3,521.72              | -41.47            | -180.52      | Start Drop -1.00                      |
| 3,706.24              | 3,697.94              | -40.46            | -183.04      | Vertical at 3706.24 MD                |
| 5,508.30              | 5,500.00              | -40.46            | -183.04      | Start DLS 1.00 TFO 255.48             |
| 6,240.38              | 6,230.09              | -52.17            | -228.25      | 7.32° at 6240.38 MD                   |
| 10,592.52             | 10,546.74             | -191.17           | -765.12      | Start Drop -1.00                      |
| 11,324.59             | 11,276.83             | -202.88           | -810.33      | Vertical at 11324.59 MD               |
| 11,524.59             | 11,476.83             | -202.88           | -810.33      | Start Build 8.00                      |
| 11,673.84             | 11,625.00             | -187.46           | -811.84      | Start Build 8.00                      |
| 11,823.84             | 11,767.45             | -141.56           | -816.35      | Start Build 10.00                     |
| 12,487.44             | 12,107.90             | 382.58            | -867.84      | LP 90.30° at 12487.44 MD              |
| 12,587.44             | 12,107.38             | 482.10            | -877.61      | Start DLS 2.00 TFO 90.00              |
| 12,844.80             | 12,106.04             | 739.01            | -891.24      | End of Turn at 12844.80 MD            |
| 13,598.67             | 12,102.11             | 1,492.84          | -897.33      | 1500°VS Start DLS 2.00 TFO -178.90    |
| 13,613.51             | 12,102.07             | 1,507.68          | -897.45      | 90.00° at 13613.51 MD                 |
| 16,098.67             | 12,102.00             | 3,992.76          | -917.77      | 4000°VS Start DLS 2.00 TFO 4.73       |
| 16,104.35             | 12,101.99             | 3,998.44          | -917.82      | 90.11° at 16104.35 MD                 |
| 17,598.67             | 12,099.00             | 5,492.71          | -929.79      | 5500°VS Start DLS 2.00 TFO -179.99    |
| 17,624.63             | 12,099.07             | 5,518.67          | -930.00      | 89.60° at 17624.63 MD                 |
| 19,598.73             | 12,113.00             | 7,492.65          | -945.82      | 7500°VS Start DLS 2.00 TFO 0.00       |
| 19,655.01             | 12,112.84             | 7,548.93          | -946.27      | 90.72° at 19655.01 MD                 |
| 22,294.38             | 12,079.62             | 10,188.01         | -967.42      | PBHL (110' FNL) at 22294.38           |

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 179978

CONDITIONS

|                                                                                   |                                                      |
|-----------------------------------------------------------------------------------|------------------------------------------------------|
| Operator:<br>MATADOR PRODUCTION COMPANY<br>One Lincoln Centre<br>Dallas, TX 75240 | OGRID:<br>228937                                     |
|                                                                                   | Action Number:<br>179978                             |
|                                                                                   | Action Type:<br>[C-103] NOI Change of Plans (C-103A) |

CONDITIONS

|            |           |                |
|------------|-----------|----------------|
| Created By | Condition | Condition Date |
| pkautz     | None      | 2/3/2023       |