

**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**

Form C-101  
August 1, 2011

Permit 289159

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

|                                                                                      |                                                 |                               |
|--------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------|
| 1. Operator Name and Address<br>MEWBOURNE OIL CO<br>P.O. Box 5270<br>Hobbs, NM 88241 |                                                 | 2. OGRID Number<br>14744      |
|                                                                                      |                                                 | 3. API Number<br>30-015-47693 |
| 4. Property Code<br>322296                                                           | 5. Property Name<br>SILVER BULLET 16 W1CN STATE | 6. Well No.<br>003H           |

**7. Surface Location**

|               |               |                 |              |              |                  |               |                   |               |                |
|---------------|---------------|-----------------|--------------|--------------|------------------|---------------|-------------------|---------------|----------------|
| UL - Lot<br>C | Section<br>16 | Township<br>26S | Range<br>29E | Lot Idn<br>C | Feet From<br>205 | N/S Line<br>N | Feet From<br>2100 | E/W Line<br>W | County<br>Eddy |
|---------------|---------------|-----------------|--------------|--------------|------------------|---------------|-------------------|---------------|----------------|

**8. Proposed Bottom Hole Location**

|               |               |                 |              |              |                  |               |                   |               |                |
|---------------|---------------|-----------------|--------------|--------------|------------------|---------------|-------------------|---------------|----------------|
| UL - Lot<br>N | Section<br>16 | Township<br>26S | Range<br>29E | Lot Idn<br>N | Feet From<br>330 | N/S Line<br>S | Feet From<br>1650 | E/W Line<br>W | County<br>Eddy |
|---------------|---------------|-----------------|--------------|--------------|------------------|---------------|-------------------|---------------|----------------|

**9. Pool Information**

|                            |       |
|----------------------------|-------|
| PURPLE SAGE;WOLFCAMP (GAS) | 98220 |
|----------------------------|-------|

**Additional Well Information**

|                           |                             |                                        |                         |                                    |
|---------------------------|-----------------------------|----------------------------------------|-------------------------|------------------------------------|
| 11. Work Type<br>New Well | 12. Well Type<br>GAS        | 13. Cable/Rotary                       | 14. Lease Type<br>State | 15. Ground Level Elevation<br>2919 |
| 16. Multiple<br>N         | 17. Proposed Depth<br>14583 | 18. Formation<br>Wolfcamp              | 19. Contractor          | 20. Spud Date<br>12/17/2020        |
| Depth to Ground water     |                             | Distance from nearest fresh water well |                         | Distance to nearest surface water  |

☒ We will be using a closed-loop system in lieu of lined pits

**21. Proposed Casing and Cement Program**

| Type   | Hole Size | Casing Size | Casing Weight/ft | Setting Depth | Sacks of Cement | Estimated TOC |
|--------|-----------|-------------|------------------|---------------|-----------------|---------------|
| Surf   | 17.5      | 13.375      | 48               | 550           | 440             | 0             |
| Int1   | 12.25     | 9.625       | 36               | 2785          | 590             | 0             |
| Prod   | 8.75      | 7           | 26               | 10100         | 850             | 2585          |
| Liner1 | 6.125     | 4.5         | 13.5             | 14583         | 210             | 9433          |

**Casing/Cement Program: Additional Comments**

MOC proposed to drill & test the Wolfcamp formation. H2S rule 118 does not apply because MOC has researched the area & no high concentrations were found. Will have on location & working all H2S safety equipment before Yates formation for safety & insurance purposes. Will stimulate as needed for production.

**22. Proposed Blowout Prevention Program**

| Type       | Working Pressure | Test Pressure | Manufacturer |
|------------|------------------|---------------|--------------|
| Annular    | 5000             | 2500          | Schaffer     |
| Double Ram | 5000             | 5000          | Schaffer     |
| Annular    | 5000             | 2500          | Schaffer     |

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.  
I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒, if applicable.

**OIL CONSERVATION DIVISION**

Signature:

|                                                       |                                                       |
|-------------------------------------------------------|-------------------------------------------------------|
| Printed Name: Electronically filed by Monty Whetstone | Approved By: Kurt Simmons                             |
| Title: Vice President Operations                      | Title: Petroleum Specialist - A                       |
| Email Address: prodmgr@mewbourne.com                  | Approved Date: 11/20/2020 Expiration Date: 11/20/2022 |
| Date: 11/18/2020 Phone: 903-561-2900                  | Conditions of Approval Attached                       |

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 Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                 |                                                           |                                                    |
|---------------------------------|-----------------------------------------------------------|----------------------------------------------------|
| <sup>1</sup> API Number         | <sup>2</sup> Pool Code<br>98220                           | <sup>3</sup> Pool Name<br>PURPLE SAGE WOLFCAMP GAS |
| <sup>4</sup> Property Code      | <sup>5</sup> Property Name<br>SILVER BULLET 16 W1CN STATE | <sup>6</sup> Well Number<br>3H                     |
| <sup>7</sup> OGRID NO.<br>14744 | <sup>8</sup> Operator Name<br>MEWBOURNE OIL COMPANY       | <sup>9</sup> Elevation<br>2919'                    |

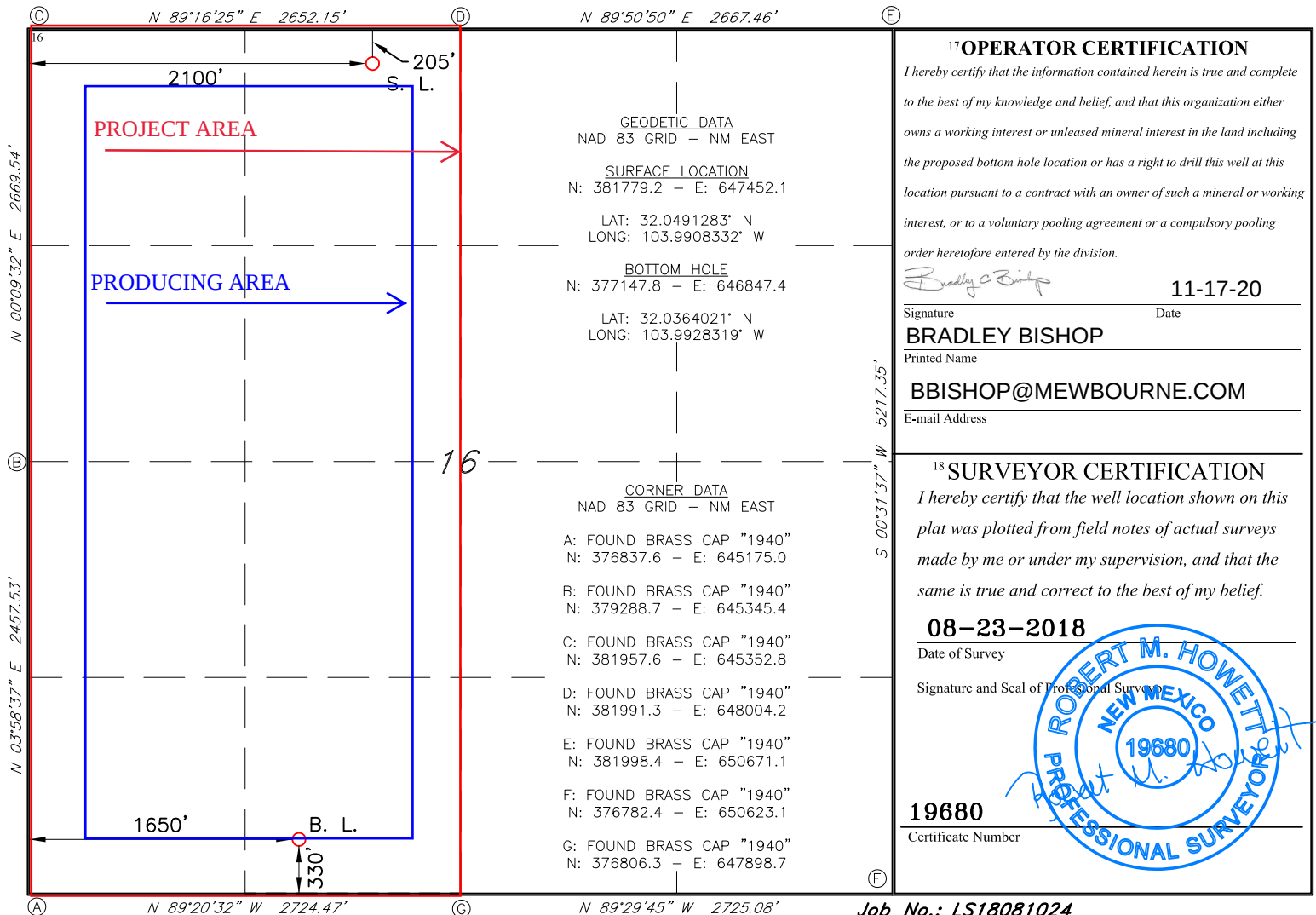
<sup>10</sup> Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet From the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| C             | 16      | 26S      | 29E   |         | 205           | NORTH            | 2100          | WEST           | EDDY   |

<sup>11</sup> Bottom Hole Location If Different From Surface

| UL or lot no.                        | Section                       | Township                         | Range                   | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|--------------------------------------|-------------------------------|----------------------------------|-------------------------|---------|---------------|------------------|---------------|----------------|--------|
| N                                    | 16                            | 26S                              | 29E                     |         | 330           | SOUTH            | 1650          | WEST           | EDDY   |
| <sup>12</sup> Dedicated Acres<br>320 | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No. |         |               |                  |               |                |        |

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.



**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**

## GAS CAPTURE PLAN

Date: 11/20/2020

☒ Original

Operator & OGRID No.: [14744] MEWBOURNE OIL CO

☐ Amended - Reason for  
Amendment: \_\_\_\_\_

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomple to new zone, re-frac) activity.

*Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).*

### Well(s)/Production Facility – Name of facility

The well(s) that will be located at the production facility are shown in the table below.

| Well Name                         | API          | Well Location<br>(ULSTR) | Footages    | Expected<br>MCF/D | Flared or<br>Vented | Comments          |
|-----------------------------------|--------------|--------------------------|-------------|-------------------|---------------------|-------------------|
| SILVER BULLET 16 W1CN STATE #003H | 30-015-47693 | C-16-26S-29E             | 0205N 2100W | 10                | None                | ONLINE AFTER FRAC |

### Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to WESTERN GAS PROCESSING and will be connected to WESTERN GAS PROCESSING High Pressure gathering system located in Eddy County, New Mexico. It will require 3400' of pipeline to connect the facility to High Pressure gathering system. MEWBOURNE OIL CO provides (periodically) to WESTERN GAS PROCESSING a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, MEWBOURNE OIL CO and WESTERN GAS PROCESSING have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at WESTERN GAS PROCESSING Processing Plant located in Sec. 16, Twn. 26S, Rng. 29E, Eddy County, New Mexico. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

### Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on WESTERN GAS PROCESSING system at that time. Based on current information, it is MEWBOURNE OIL CO's belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

### Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On lease
  - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas – On lease
  - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal – On lease
  - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines

**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

Form APD Comments

Permit 289159

PERMIT COMMENTS

|                                                                                            |         |                                            |
|--------------------------------------------------------------------------------------------|---------|--------------------------------------------|
| Operator Name and Address:<br>MEWBOURNE OIL CO [14744]<br>P.O. Box 5270<br>Hobbs, NM 88241 |         | API Number:<br>30-015-47693                |
|                                                                                            |         | Well:<br>SILVER BULLET 16 W1CN STATE #003H |
| Created By                                                                                 | Comment | Comment Date                               |

**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**

Form APD Conditions

Permit 289159

**PERMIT CONDITIONS OF APPROVAL**

|                                                                                            |                                            |
|--------------------------------------------------------------------------------------------|--------------------------------------------|
| Operator Name and Address:<br>MEWBOURNE OIL CO [14744]<br>P.O. Box 5270<br>Hobbs, NM 88241 | API Number:<br>30-015-47693                |
|                                                                                            | Well:<br>SILVER BULLET 16 W1CN STATE #003H |

|                 |                                                                                                                                                                                                                                                                 |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OCD<br>Reviewer | Condition                                                                                                                                                                                                                                                       |
| ksimmons        | Will require a directional survey with the C-104                                                                                                                                                                                                                |
| ksimmons        | Cement is required to circulate on both surface and intermediate1 strings of casing                                                                                                                                                                             |
| kpickford       | Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water                                                                                                                                                            |
| kpickford       | Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system             |
| kpickford       | The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud                                                                                                                                                              |
| kpickford       | The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud 2)- Drilling Sundries Form C-103 (Casing and Cement test are to be submitted within 10 days 3)- Completion Reports & Logs are to be submitted within 45 days |

Intent ☐ As Drilled ☐

|                |                |             |
|----------------|----------------|-------------|
| API #          |                |             |
| Operator Name: | Property Name: | Well Number |

## Kick Off Point (KOP)

|          |         |          |       |     |           |          |      |          |        |
|----------|---------|----------|-------|-----|-----------|----------|------|----------|--------|
| UL       | Section | Township | Range | Lot | Feet      | From N/S | Feet | From E/W | County |
| Latitude |         |          |       |     | Longitude |          |      |          | NAD    |

## First Take Point (FTP)

|          |         |          |       |     |           |          |      |          |        |
|----------|---------|----------|-------|-----|-----------|----------|------|----------|--------|
| UL       | Section | Township | Range | Lot | Feet      | From N/S | Feet | From E/W | County |
| Latitude |         |          |       |     | Longitude |          |      |          | NAD    |

## Last Take Point (LTP)

|          |         |          |       |     |           |          |      |          |        |
|----------|---------|----------|-------|-----|-----------|----------|------|----------|--------|
| UL       | Section | Township | Range | Lot | Feet      | From N/S | Feet | From E/W | County |
| Latitude |         |          |       |     | Longitude |          |      |          | NAD    |

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

|                |                |             |
|----------------|----------------|-------------|
| API #          |                |             |
| Operator Name: | Property Name: | Well Number |

KZ 06/29/2018



**MEWBOURNE**  
**OIL COMPANY**

## **Mewbourne Oil Company**

**Eddy Co., NM (NAD 83)**

**Sliver Bullet Pad**

**Silver Bullet 16 W1CN State #3H**

**OH**

**Plan: Plan #2**

## **Standard Planning Report**

**06 November, 2020**





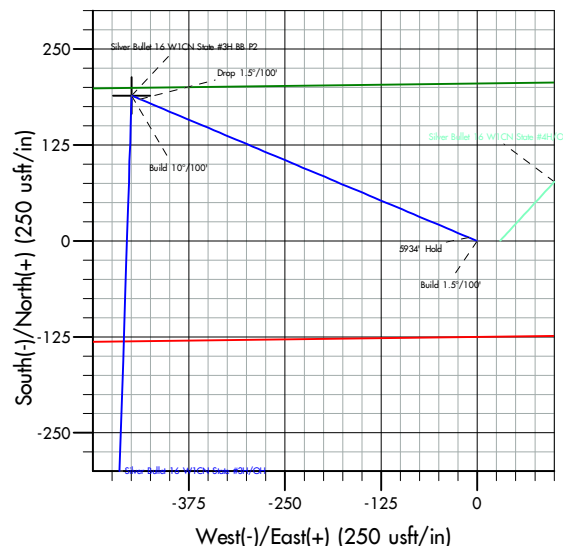
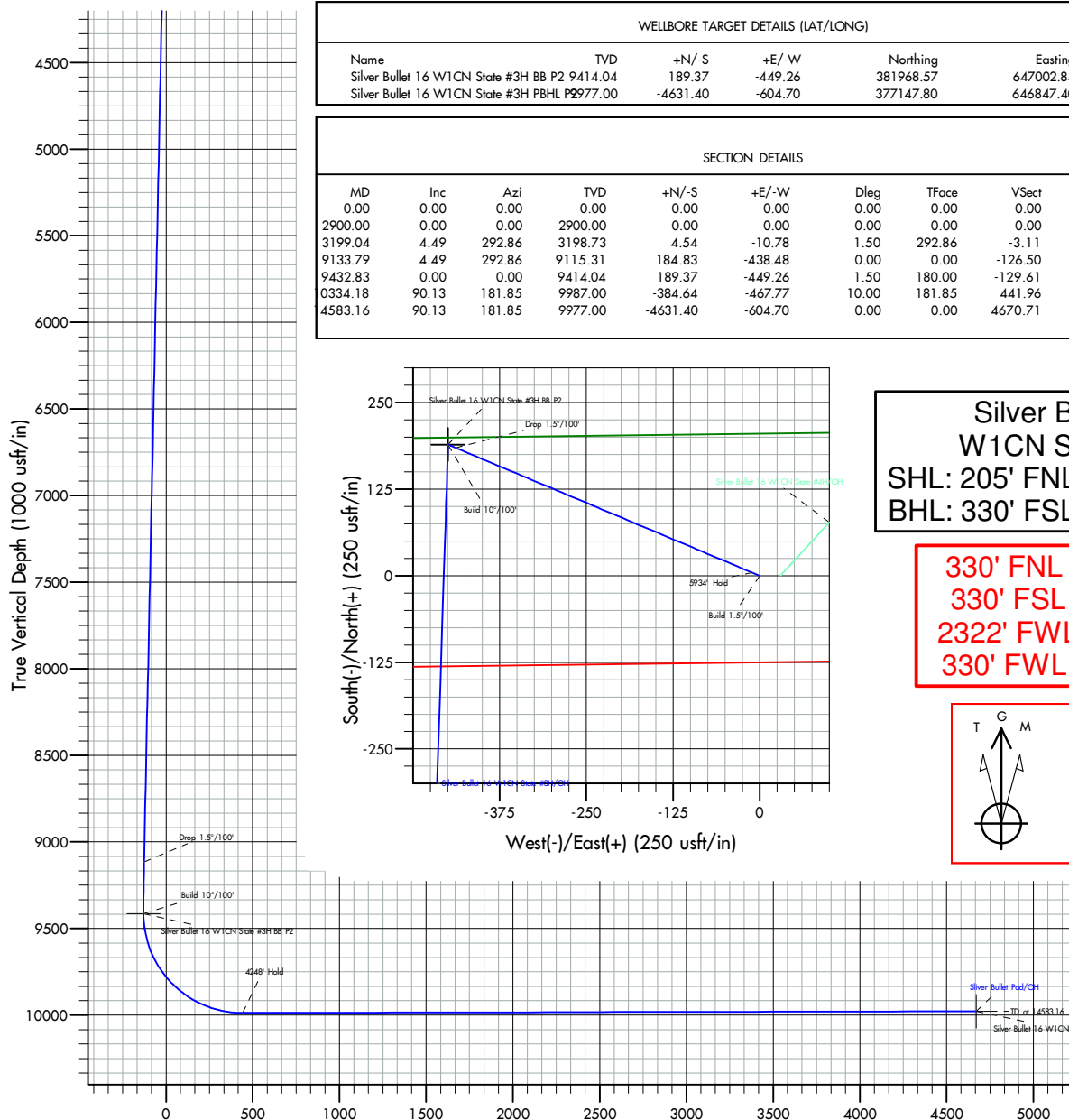
Project: Eddy Co., NM (NAD 83)  
 Site: Silver Bullet Pad  
 Well: Silver Bullet 16 W1CN State #3H  
 Wellbore: OH  
 Design: Plan #2  
 Lat: 32.049128  
 Long: -103.990833  
 GL: 2919.00  
 KB: KB=28' @ 2947.00usft



| WELL DETAILS: Silver Bullet 16 W1CN State #3H |       |           |           |           |             |
|-----------------------------------------------|-------|-----------|-----------|-----------|-------------|
| +N/-S                                         | +E/-W | Northing  | Easting   | Latitude  | Longitude   |
| 0.00                                          | 0.00  | 381779.20 | 647452.10 | 32.049128 | -103.990833 |

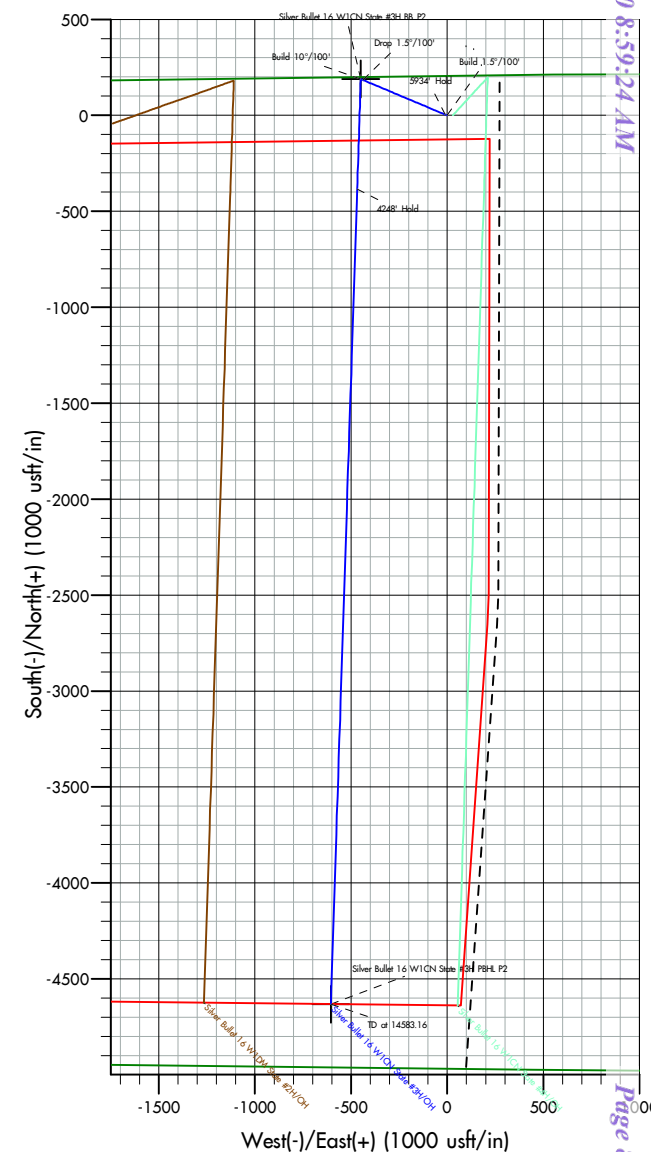
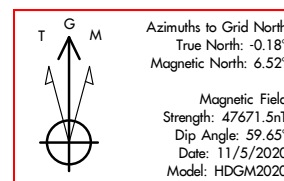
| WELLBORE TARGET DETAILS (LAT/LONG)      |         |          |         |           |           |       |
|-----------------------------------------|---------|----------|---------|-----------|-----------|-------|
| Name                                    | TVD     | +N/-S    | +E/-W   | Northing  | Easting   | Shape |
| Silver Bullet 16 W1CN State #3H BB P2   | 9414.04 | 189.37   | -449.26 | 381968.57 | 647002.84 | Point |
| Silver Bullet 16 W1CN State #3H PBHL P2 | 9977.00 | -4631.40 | -604.70 | 377147.80 | 646847.40 | Point |

| SECTION DETAILS |       |        |         |          |         |       |        |         |                 |
|-----------------|-------|--------|---------|----------|---------|-------|--------|---------|-----------------|
| MD              | Inc   | Azi    | TVD     | +N/-S    | +E/-W   | Dleg  | TFace  | VSec    | Annotation      |
| 0.00            | 0.00  | 0.00   | 0.00    | 0.00     | 0.00    | 0.00  | 0.00   | 0.00    |                 |
| 2900.00         | 0.00  | 0.00   | 2900.00 | 0.00     | 0.00    | 0.00  | 0.00   | 0.00    | Build 1.5°/100' |
| 3199.04         | 4.49  | 292.86 | 3198.73 | 4.54     | -10.78  | 1.50  | 292.86 | -3.11   | 5934' Hold      |
| 9133.79         | 4.49  | 292.86 | 9115.31 | 184.83   | -438.48 | 0.00  | 0.00   | -126.50 | Drop 1.5°/100'  |
| 9432.83         | 0.00  | 0.00   | 9414.04 | 189.37   | -449.26 | 1.50  | 180.00 | -129.61 | Build 10°/100'  |
| 9334.18         | 90.13 | 181.85 | 9987.00 | -384.64  | -467.77 | 10.00 | 181.85 | 441.96  | 4248' Hold      |
| 4583.16         | 90.13 | 181.85 | 9977.00 | -4631.40 | -604.70 | 0.00  | 0.00   | 4670.71 | TD at 14583.16  |



**Silver Bullet 16  
 W1CN State #3H**  
 SHL: 205' FNL & 2100' FWL  
 BHL: 330' FSL & 1650' FWL

**330' FNL Hard Line  
 330' FSL Hard Line  
 2322' FWL Hard Line  
 330' FWL Hard Line**





## Altitude Energy Partners

## Planning Report



|                  |                                 |                                     |                                      |
|------------------|---------------------------------|-------------------------------------|--------------------------------------|
| <b>Database:</b> | EDM 5000.1 Single User Db       | <b>Local Co-ordinate Reference:</b> | Well Silver Bullet 16 W1CN State #3H |
| <b>Company:</b>  | Mewbourne Oil Company           | <b>TVD Reference:</b>               | KB=28' @ 2947.00usft                 |
| <b>Project:</b>  | Eddy Co., NM (NAD 83)           | <b>MD Reference:</b>                | KB=28' @ 2947.00usft                 |
| <b>Site:</b>     | Silver Bullet Pad               | <b>North Reference:</b>             | Grid                                 |
| <b>Well:</b>     | Silver Bullet 16 W1CN State #3H | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | OH                              |                                     |                                      |
| <b>Design:</b>   | Plan #2                         |                                     |                                      |

|                    |                           |                      |                |
|--------------------|---------------------------|----------------------|----------------|
| <b>Project</b>     | Eddy Co., NM (NAD 83)     |                      |                |
| <b>Map System:</b> | US State Plane 1983       | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | North American Datum 1983 |                      |                |
| <b>Map Zone:</b>   | New Mexico Eastern Zone   |                      |                |

| Site                  |           | Sliver Bullet Pad |                 |            |             |
|-----------------------|-----------|-------------------|-----------------|------------|-------------|
| Site Position:        |           | Northing:         | 381,736.80 usft | Latitude:  | 32.049027   |
| From:                 | Map       | Easting:          | 645,682.20 usft | Longitude: | -103.996546 |
| Position Uncertainty: | 0.00 usft | Slot Radius:      | 13-3/16 "       |            |             |

| Well                 | Silver Bullet 16 W1CN State #3H |           |                     |                 |               |               |
|----------------------|---------------------------------|-----------|---------------------|-----------------|---------------|---------------|
| Well Position        | +N/-S                           | 0.00 usft | Northing:           | 381,779.20 usft | Latitude:     | 32.049128     |
|                      | +E/-W                           | 0.00 usft | Easting:            | 647,452.10 usft | Longitude:    | -103.990833   |
| Position Uncertainty |                                 | 0.00 usft | Wellhead Elevation: | usft            | Ground Level: | 2,919.00 usft |
| Grid Convergence:    |                                 | 0.18 °    |                     |                 |               |               |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | OH                |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | HDGM2020          | 11/5/2020          | 6.70                   | 59.65                | 47,671.50000000            |

|                          |                                |                     |                     |                      |      |
|--------------------------|--------------------------------|---------------------|---------------------|----------------------|------|
| <b>Design</b>            | Plan #2                        |                     |                     |                      |      |
| <b>Audit Notes:</b>      |                                |                     |                     |                      |      |
| <b>Version:</b>          |                                | <b>Phase:</b>       | PLAN                | <b>Tie On Depth:</b> | 0.00 |
| <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                | 187.44               |      |

|                                 |                        |                          |                       |                |  |
|---------------------------------|------------------------|--------------------------|-----------------------|----------------|--|
| <b>Plan Survey Tool Program</b> | <b>Date</b>            | 11/6/2020                |                       |                |  |
| <b>Depth From (usft)</b>        | <b>Depth To (usft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b>      | <b>Remarks</b> |  |
| 1                               | 0.00                   | 14,583.16 Plan #2 (OH)   | MWD + HDGM            |                |  |
|                                 |                        |                          | MWD + HDGM - Standard |                |  |

|                              |                        |                    |                              |                     |                     |                                |                               |                              |                |                       |
|------------------------------|------------------------|--------------------|------------------------------|---------------------|---------------------|--------------------------------|-------------------------------|------------------------------|----------------|-----------------------|
| <b>Plan Sections</b>         |                        |                    |                              |                     |                     |                                |                               |                              |                |                       |
| <b>Measured Depth (usft)</b> | <b>Inclination (°)</b> | <b>Azimuth (°)</b> | <b>Vertical Depth (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Dogleg Rate (°/100usft)</b> | <b>Build Rate (°/100usft)</b> | <b>Turn Rate (°/100usft)</b> | <b>TFO (°)</b> | <b>Target</b>         |
| 0.00                         | 0.00                   | 0.00               | 0.00                         | 0.00                | 0.00                | 0.00                           | 0.00                          | 0.00                         | 0.00           |                       |
| 2,900.00                     | 0.00                   | 0.00               | 2,900.00                     | 0.00                | 0.00                | 0.00                           | 0.00                          | 0.00                         | 0.00           |                       |
| 3,199.04                     | 4.49                   | 292.86             | 3,198.73                     | 4.54                | -10.78              | 1.50                           | 1.50                          | 0.00                         | 292.86         |                       |
| 9,133.79                     | 4.49                   | 292.86             | 9,115.31                     | 184.83              | -438.48             | 0.00                           | 0.00                          | 0.00                         | 0.00           |                       |
| 9,432.83                     | 0.00                   | 0.00               | 9,414.04                     | 189.37              | -449.26             | 1.50                           | -1.50                         | 0.00                         | 180.00         | Silver Bullet 16 W1CN |
| 10,334.18                    | 90.13                  | 181.85             | 9,987.00                     | -384.64             | -467.77             | 10.00                          | 10.00                         | -19.77                       | 181.85         |                       |
| 14,583.16                    | 90.13                  | 181.85             | 9,977.00                     | -4,631.40           | -604.70             | 0.00                           | 0.00                          | 0.00                         | 0.00           | Silver Bullet 16 W1CN |



## Altitude Energy Partners

## Planning Report



|                  |                                 |                                     |                                      |
|------------------|---------------------------------|-------------------------------------|--------------------------------------|
| <b>Database:</b> | EDM 5000.1 Single User Db       | <b>Local Co-ordinate Reference:</b> | Well Silver Bullet 16 W1CN State #3H |
| <b>Company:</b>  | Mewbourne Oil Company           | <b>TVD Reference:</b>               | KB=28' @ 2947.00usft                 |
| <b>Project:</b>  | Eddy Co., NM (NAD 83)           | <b>MD Reference:</b>                | KB=28' @ 2947.00usft                 |
| <b>Site:</b>     | Silver Bullet Pad               | <b>North Reference:</b>             | Grid                                 |
| <b>Well:</b>     | Silver Bullet 16 W1CN State #3H | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | OH                              |                                     |                                      |
| <b>Design:</b>   | Plan #2                         |                                     |                                      |

| Planned Survey         |                 |             |                       |              |              |                         |                         |                        |                       |
|------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)  | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 0.00                   | 0.00            | 0.00        | 0.00                  | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 100.00                 | 0.00            | 0.00        | 100.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 200.00                 | 0.00            | 0.00        | 200.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 300.00                 | 0.00            | 0.00        | 300.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 400.00                 | 0.00            | 0.00        | 400.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 500.00                 | 0.00            | 0.00        | 500.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 600.00                 | 0.00            | 0.00        | 600.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 700.00                 | 0.00            | 0.00        | 700.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 800.00                 | 0.00            | 0.00        | 800.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 900.00                 | 0.00            | 0.00        | 900.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,000.00               | 0.00            | 0.00        | 1,000.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,100.00               | 0.00            | 0.00        | 1,100.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,200.00               | 0.00            | 0.00        | 1,200.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,300.00               | 0.00            | 0.00        | 1,300.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,400.00               | 0.00            | 0.00        | 1,400.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,500.00               | 0.00            | 0.00        | 1,500.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,600.00               | 0.00            | 0.00        | 1,600.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,700.00               | 0.00            | 0.00        | 1,700.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,800.00               | 0.00            | 0.00        | 1,800.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 1,900.00               | 0.00            | 0.00        | 1,900.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 2,000.00               | 0.00            | 0.00        | 2,000.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 2,100.00               | 0.00            | 0.00        | 2,100.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 2,200.00               | 0.00            | 0.00        | 2,200.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 2,300.00               | 0.00            | 0.00        | 2,300.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 2,400.00               | 0.00            | 0.00        | 2,400.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 2,500.00               | 0.00            | 0.00        | 2,500.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 2,600.00               | 0.00            | 0.00        | 2,600.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 2,700.00               | 0.00            | 0.00        | 2,700.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 2,800.00               | 0.00            | 0.00        | 2,800.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 2,900.00               | 0.00            | 0.00        | 2,900.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| <b>Build 1.5°/100'</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 3,000.00               | 1.50            | 292.86      | 2,999.99              | 0.51         | -1.21        | -0.35                   | 1.50                    | 1.50                   | 0.00                  |
| 3,100.00               | 3.00            | 292.86      | 3,099.91              | 2.03         | -4.82        | -1.39                   | 1.50                    | 1.50                   | 0.00                  |
| 3,199.04               | 4.49            | 292.86      | 3,198.73              | 4.54         | -10.78       | -3.11                   | 1.50                    | 1.50                   | 0.00                  |
| <b>5934' Hold</b>      |                 |             |                       |              |              |                         |                         |                        |                       |
| 3,300.00               | 4.49            | 292.86      | 3,299.39              | 7.61         | -18.06       | -5.21                   | 0.00                    | 0.00                   | 0.00                  |
| 3,400.00               | 4.49            | 292.86      | 3,399.08              | 10.65        | -25.26       | -7.29                   | 0.00                    | 0.00                   | 0.00                  |
| 3,500.00               | 4.49            | 292.86      | 3,498.77              | 13.69        | -32.47       | -9.37                   | 0.00                    | 0.00                   | 0.00                  |
| 3,600.00               | 4.49            | 292.86      | 3,598.47              | 16.72        | -39.68       | -11.45                  | 0.00                    | 0.00                   | 0.00                  |
| 3,700.00               | 4.49            | 292.86      | 3,698.16              | 19.76        | -46.88       | -13.53                  | 0.00                    | 0.00                   | 0.00                  |
| 3,800.00               | 4.49            | 292.86      | 3,797.85              | 22.80        | -54.09       | -15.61                  | 0.00                    | 0.00                   | 0.00                  |
| 3,900.00               | 4.49            | 292.86      | 3,897.55              | 25.84        | -61.30       | -17.68                  | 0.00                    | 0.00                   | 0.00                  |
| 4,000.00               | 4.49            | 292.86      | 3,997.24              | 28.88        | -68.50       | -19.76                  | 0.00                    | 0.00                   | 0.00                  |
| 4,100.00               | 4.49            | 292.86      | 4,096.94              | 31.91        | -75.71       | -21.84                  | 0.00                    | 0.00                   | 0.00                  |
| 4,200.00               | 4.49            | 292.86      | 4,196.63              | 34.95        | -82.92       | -23.92                  | 0.00                    | 0.00                   | 0.00                  |
| 4,300.00               | 4.49            | 292.86      | 4,296.32              | 37.99        | -90.12       | -26.00                  | 0.00                    | 0.00                   | 0.00                  |
| 4,400.00               | 4.49            | 292.86      | 4,396.02              | 41.03        | -97.33       | -28.08                  | 0.00                    | 0.00                   | 0.00                  |
| 4,500.00               | 4.49            | 292.86      | 4,495.71              | 44.06        | -104.54      | -30.16                  | 0.00                    | 0.00                   | 0.00                  |
| 4,600.00               | 4.49            | 292.86      | 4,595.40              | 47.10        | -111.74      | -32.24                  | 0.00                    | 0.00                   | 0.00                  |
| 4,700.00               | 4.49            | 292.86      | 4,695.10              | 50.14        | -118.95      | -34.32                  | 0.00                    | 0.00                   | 0.00                  |
| 4,800.00               | 4.49            | 292.86      | 4,794.79              | 53.18        | -126.16      | -36.40                  | 0.00                    | 0.00                   | 0.00                  |
| 4,900.00               | 4.49            | 292.86      | 4,894.48              | 56.22        | -133.36      | -38.48                  | 0.00                    | 0.00                   | 0.00                  |
| 5,000.00               | 4.49            | 292.86      | 4,994.18              | 59.25        | -140.57      | -40.56                  | 0.00                    | 0.00                   | 0.00                  |



## Altitude Energy Partners

## Planning Report



|                  |                                 |                                     |                                      |
|------------------|---------------------------------|-------------------------------------|--------------------------------------|
| <b>Database:</b> | EDM 5000.1 Single User Db       | <b>Local Co-ordinate Reference:</b> | Well Silver Bullet 16 W1CN State #3H |
| <b>Company:</b>  | Mewbourne Oil Company           | <b>TVD Reference:</b>               | KB=28' @ 2947.00usft                 |
| <b>Project:</b>  | Eddy Co., NM (NAD 83)           | <b>MD Reference:</b>                | KB=28' @ 2947.00usft                 |
| <b>Site:</b>     | Silver Bullet Pad               | <b>North Reference:</b>             | Grid                                 |
| <b>Well:</b>     | Silver Bullet 16 W1CN State #3H | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | OH                              |                                     |                                      |
| <b>Design:</b>   | Plan #2                         |                                     |                                      |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 5,100.00              | 4.49            | 292.86      | 5,093.87              | 62.29        | -147.78      | -42.63                  | 0.00                    | 0.00                   | 0.00                  |
| 5,200.00              | 4.49            | 292.86      | 5,193.57              | 65.33        | -154.98      | -44.71                  | 0.00                    | 0.00                   | 0.00                  |
| 5,300.00              | 4.49            | 292.86      | 5,293.26              | 68.37        | -162.19      | -46.79                  | 0.00                    | 0.00                   | 0.00                  |
| 5,400.00              | 4.49            | 292.86      | 5,392.95              | 71.40        | -169.40      | -48.87                  | 0.00                    | 0.00                   | 0.00                  |
| 5,500.00              | 4.49            | 292.86      | 5,492.65              | 74.44        | -176.60      | -50.95                  | 0.00                    | 0.00                   | 0.00                  |
| 5,600.00              | 4.49            | 292.86      | 5,592.34              | 77.48        | -183.81      | -53.03                  | 0.00                    | 0.00                   | 0.00                  |
| 5,700.00              | 4.49            | 292.86      | 5,692.03              | 80.52        | -191.02      | -55.11                  | 0.00                    | 0.00                   | 0.00                  |
| 5,800.00              | 4.49            | 292.86      | 5,791.73              | 83.56        | -198.23      | -57.19                  | 0.00                    | 0.00                   | 0.00                  |
| 5,900.00              | 4.49            | 292.86      | 5,891.42              | 86.59        | -205.43      | -59.27                  | 0.00                    | 0.00                   | 0.00                  |
| 6,000.00              | 4.49            | 292.86      | 5,991.12              | 89.63        | -212.64      | -61.35                  | 0.00                    | 0.00                   | 0.00                  |
| 6,100.00              | 4.49            | 292.86      | 6,090.81              | 92.67        | -219.85      | -63.43                  | 0.00                    | 0.00                   | 0.00                  |
| 6,200.00              | 4.49            | 292.86      | 6,190.50              | 95.71        | -227.05      | -65.50                  | 0.00                    | 0.00                   | 0.00                  |
| 6,300.00              | 4.49            | 292.86      | 6,290.20              | 98.74        | -234.26      | -67.58                  | 0.00                    | 0.00                   | 0.00                  |
| 6,400.00              | 4.49            | 292.86      | 6,389.89              | 101.78       | -241.47      | -69.66                  | 0.00                    | 0.00                   | 0.00                  |
| 6,500.00              | 4.49            | 292.86      | 6,489.58              | 104.82       | -248.67      | -71.74                  | 0.00                    | 0.00                   | 0.00                  |
| 6,600.00              | 4.49            | 292.86      | 6,589.28              | 107.86       | -255.88      | -73.82                  | 0.00                    | 0.00                   | 0.00                  |
| 6,700.00              | 4.49            | 292.86      | 6,688.97              | 110.89       | -263.09      | -75.90                  | 0.00                    | 0.00                   | 0.00                  |
| 6,800.00              | 4.49            | 292.86      | 6,788.67              | 113.93       | -270.29      | -77.98                  | 0.00                    | 0.00                   | 0.00                  |
| 6,900.00              | 4.49            | 292.86      | 6,888.36              | 116.97       | -277.50      | -80.06                  | 0.00                    | 0.00                   | 0.00                  |
| 7,000.00              | 4.49            | 292.86      | 6,988.05              | 120.01       | -284.71      | -82.14                  | 0.00                    | 0.00                   | 0.00                  |
| 7,100.00              | 4.49            | 292.86      | 7,087.75              | 123.05       | -291.91      | -84.22                  | 0.00                    | 0.00                   | 0.00                  |
| 7,200.00              | 4.49            | 292.86      | 7,187.44              | 126.08       | -299.12      | -86.30                  | 0.00                    | 0.00                   | 0.00                  |
| 7,300.00              | 4.49            | 292.86      | 7,287.13              | 129.12       | -306.33      | -88.38                  | 0.00                    | 0.00                   | 0.00                  |
| 7,400.00              | 4.49            | 292.86      | 7,386.83              | 132.16       | -313.53      | -90.45                  | 0.00                    | 0.00                   | 0.00                  |
| 7,500.00              | 4.49            | 292.86      | 7,486.52              | 135.20       | -320.74      | -92.53                  | 0.00                    | 0.00                   | 0.00                  |
| 7,600.00              | 4.49            | 292.86      | 7,586.21              | 138.23       | -327.95      | -94.61                  | 0.00                    | 0.00                   | 0.00                  |
| 7,700.00              | 4.49            | 292.86      | 7,685.91              | 141.27       | -335.15      | -96.69                  | 0.00                    | 0.00                   | 0.00                  |
| 7,800.00              | 4.49            | 292.86      | 7,785.60              | 144.31       | -342.36      | -98.77                  | 0.00                    | 0.00                   | 0.00                  |
| 7,900.00              | 4.49            | 292.86      | 7,885.30              | 147.35       | -349.57      | -100.85                 | 0.00                    | 0.00                   | 0.00                  |
| 8,000.00              | 4.49            | 292.86      | 7,984.99              | 150.39       | -356.77      | -102.93                 | 0.00                    | 0.00                   | 0.00                  |
| 8,100.00              | 4.49            | 292.86      | 8,084.68              | 153.42       | -363.98      | -105.01                 | 0.00                    | 0.00                   | 0.00                  |
| 8,200.00              | 4.49            | 292.86      | 8,184.38              | 156.46       | -371.19      | -107.09                 | 0.00                    | 0.00                   | 0.00                  |
| 8,300.00              | 4.49            | 292.86      | 8,284.07              | 159.50       | -378.39      | -109.17                 | 0.00                    | 0.00                   | 0.00                  |
| 8,400.00              | 4.49            | 292.86      | 8,383.76              | 162.54       | -385.60      | -111.25                 | 0.00                    | 0.00                   | 0.00                  |
| 8,500.00              | 4.49            | 292.86      | 8,483.46              | 165.57       | -392.81      | -113.33                 | 0.00                    | 0.00                   | 0.00                  |
| 8,600.00              | 4.49            | 292.86      | 8,583.15              | 168.61       | -400.01      | -115.40                 | 0.00                    | 0.00                   | 0.00                  |
| 8,700.00              | 4.49            | 292.86      | 8,682.85              | 171.65       | -407.22      | -117.48                 | 0.00                    | 0.00                   | 0.00                  |
| 8,800.00              | 4.49            | 292.86      | 8,782.54              | 174.69       | -414.43      | -119.56                 | 0.00                    | 0.00                   | 0.00                  |
| 8,900.00              | 4.49            | 292.86      | 8,882.23              | 177.73       | -421.63      | -121.64                 | 0.00                    | 0.00                   | 0.00                  |
| 9,000.00              | 4.49            | 292.86      | 8,981.93              | 180.76       | -428.84      | -123.72                 | 0.00                    | 0.00                   | 0.00                  |
| 9,100.00              | 4.49            | 292.86      | 9,081.62              | 183.80       | -436.05      | -125.80                 | 0.00                    | 0.00                   | 0.00                  |
| 9,133.79              | 4.49            | 292.86      | 9,115.31              | 184.83       | -438.48      | -126.50                 | 0.00                    | 0.00                   | 0.00                  |
| <b>Drop 1.5°/100'</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 9,200.00              | 3.49            | 292.86      | 9,181.36              | 186.62       | -442.73      | -127.73                 | 1.50                    | -1.50                  | 0.00                  |
| 9,300.00              | 1.99            | 292.86      | 9,281.24              | 188.47       | -447.14      | -129.00                 | 1.50                    | -1.50                  | 0.00                  |
| 9,400.00              | 0.49            | 292.86      | 9,381.21              | 189.32       | -449.13      | -129.58                 | 1.50                    | -1.50                  | 0.00                  |
| 9,432.83              | 0.00            | 0.00        | 9,414.04              | 189.37       | -449.26      | -129.61                 | 1.50                    | -1.50                  | 0.00                  |
| <b>Build 10°/100'</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 9,450.00              | 1.72            | 181.85      | 9,431.21              | 189.11       | -449.27      | -129.36                 | 10.00                   | 10.00                  | 0.00                  |
| 9,500.00              | 6.72            | 181.85      | 9,481.06              | 185.44       | -449.39      | -125.70                 | 10.00                   | 10.00                  | 0.00                  |
| 9,550.00              | 11.72           | 181.85      | 9,530.40              | 177.44       | -449.65      | -117.73                 | 10.00                   | 10.00                  | 0.00                  |
| 9,600.00              | 16.72           | 181.85      | 9,578.85              | 165.17       | -450.04      | -105.51                 | 10.00                   | 10.00                  | 0.00                  |
| 9,650.00              | 21.72           | 181.85      | 9,626.05              | 148.73       | -450.57      | -89.14                  | 10.00                   | 10.00                  | 0.00                  |
| 9,700.00              | 26.72           | 181.85      | 9,671.63              | 128.23       | -451.23      | -68.73                  | 10.00                   | 10.00                  | 0.00                  |



## Altitude Energy Partners

## Planning Report



|                  |                                 |                                     |                                      |
|------------------|---------------------------------|-------------------------------------|--------------------------------------|
| <b>Database:</b> | EDM 5000.1 Single User Db       | <b>Local Co-ordinate Reference:</b> | Well Silver Bullet 16 W1CN State #3H |
| <b>Company:</b>  | Mewbourne Oil Company           | <b>TVD Reference:</b>               | KB=28' @ 2947.00usft                 |
| <b>Project:</b>  | Eddy Co., NM (NAD 83)           | <b>MD Reference:</b>                | KB=28' @ 2947.00usft                 |
| <b>Site:</b>     | Silver Bullet Pad               | <b>North Reference:</b>             | Grid                                 |
| <b>Well:</b>     | Silver Bullet 16 W1CN State #3H | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | OH                              |                                     |                                      |
| <b>Design:</b>   | Plan #2                         |                                     |                                      |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 9,750.00              | 31.72           | 181.85      | 9,715.26              | 103.85       | -452.02      | -44.45                  | 10.00                   | 10.00                  | 0.00                  |
| 9,800.00              | 36.72           | 181.85      | 9,756.59              | 75.75        | -452.93      | -16.48                  | 10.00                   | 10.00                  | 0.00                  |
| 9,850.00              | 41.72           | 181.85      | 9,795.32              | 44.17        | -453.95      | 14.97                   | 10.00                   | 10.00                  | 0.00                  |
| 9,900.00              | 46.72           | 181.85      | 9,831.14              | 9.33         | -455.07      | 49.67                   | 10.00                   | 10.00                  | 0.00                  |
| 9,950.00              | 51.72           | 181.85      | 9,863.79              | -28.50       | -456.29      | 87.33                   | 10.00                   | 10.00                  | 0.00                  |
| 10,000.00             | 56.72           | 181.85      | 9,893.02              | -69.03       | -457.59      | 127.69                  | 10.00                   | 10.00                  | 0.00                  |
| 10,050.00             | 61.72           | 181.85      | 9,918.60              | -111.95      | -458.98      | 170.43                  | 10.00                   | 10.00                  | 0.00                  |
| 10,100.00             | 66.72           | 181.85      | 9,940.34              | -156.93      | -460.43      | 215.22                  | 10.00                   | 10.00                  | 0.00                  |
| 10,150.00             | 71.72           | 181.85      | 9,958.07              | -203.64      | -461.94      | 261.73                  | 10.00                   | 10.00                  | 0.00                  |
| 10,200.00             | 76.72           | 181.85      | 9,971.67              | -251.72      | -463.49      | 309.60                  | 10.00                   | 10.00                  | 0.00                  |
| 10,250.00             | 81.72           | 181.85      | 9,981.02              | -300.79      | -465.07      | 358.47                  | 10.00                   | 10.00                  | 0.00                  |
| 10,300.00             | 86.72           | 181.85      | 9,986.06              | -350.50      | -466.67      | 407.96                  | 10.00                   | 10.00                  | 0.00                  |
| 10,334.18             | 90.13           | 181.85      | 9,987.00              | -384.64      | -467.77      | 441.96                  | 10.00                   | 10.00                  | 0.00                  |
| <b>4248' Hold</b>     |                 |             |                       |              |              |                         |                         |                        |                       |
| 10,400.00             | 90.13           | 181.85      | 9,986.84              | -450.42      | -469.89      | 507.47                  | 0.00                    | 0.00                   | 0.00                  |
| 10,500.00             | 90.13           | 181.85      | 9,986.61              | -550.37      | -473.11      | 606.99                  | 0.00                    | 0.00                   | 0.00                  |
| 10,600.00             | 90.13           | 181.85      | 9,986.37              | -650.32      | -476.34      | 706.52                  | 0.00                    | 0.00                   | 0.00                  |
| 10,700.00             | 90.13           | 181.85      | 9,986.14              | -750.27      | -479.56      | 806.04                  | 0.00                    | 0.00                   | 0.00                  |
| 10,800.00             | 90.13           | 181.85      | 9,985.90              | -850.22      | -482.78      | 905.56                  | 0.00                    | 0.00                   | 0.00                  |
| 10,900.00             | 90.13           | 181.85      | 9,985.67              | -950.16      | -486.01      | 1,005.09                | 0.00                    | 0.00                   | 0.00                  |
| 11,000.00             | 90.13           | 181.85      | 9,985.43              | -1,050.11    | -489.23      | 1,104.61                | 0.00                    | 0.00                   | 0.00                  |
| 11,100.00             | 90.13           | 181.85      | 9,985.19              | -1,150.06    | -492.45      | 1,204.14                | 0.00                    | 0.00                   | 0.00                  |
| 11,200.00             | 90.13           | 181.85      | 9,984.96              | -1,250.01    | -495.67      | 1,303.66                | 0.00                    | 0.00                   | 0.00                  |
| 11,300.00             | 90.13           | 181.85      | 9,984.72              | -1,349.96    | -498.90      | 1,403.18                | 0.00                    | 0.00                   | 0.00                  |
| 11,400.00             | 90.13           | 181.85      | 9,984.49              | -1,449.90    | -502.12      | 1,502.71                | 0.00                    | 0.00                   | 0.00                  |
| 11,500.00             | 90.13           | 181.85      | 9,984.25              | -1,549.85    | -505.34      | 1,602.23                | 0.00                    | 0.00                   | 0.00                  |
| 11,600.00             | 90.13           | 181.85      | 9,984.02              | -1,649.80    | -508.56      | 1,701.76                | 0.00                    | 0.00                   | 0.00                  |
| 11,700.00             | 90.13           | 181.85      | 9,983.78              | -1,749.75    | -511.79      | 1,801.28                | 0.00                    | 0.00                   | 0.00                  |
| 11,800.00             | 90.13           | 181.85      | 9,983.55              | -1,849.69    | -515.01      | 1,900.80                | 0.00                    | 0.00                   | 0.00                  |
| 11,900.00             | 90.13           | 181.85      | 9,983.31              | -1,949.64    | -518.23      | 2,000.33                | 0.00                    | 0.00                   | 0.00                  |
| 12,000.00             | 90.13           | 181.85      | 9,983.08              | -2,049.59    | -521.45      | 2,099.85                | 0.00                    | 0.00                   | 0.00                  |
| 12,100.00             | 90.13           | 181.85      | 9,982.84              | -2,149.54    | -524.68      | 2,199.37                | 0.00                    | 0.00                   | 0.00                  |
| 12,200.00             | 90.13           | 181.85      | 9,982.61              | -2,249.49    | -527.90      | 2,298.90                | 0.00                    | 0.00                   | 0.00                  |
| 12,300.00             | 90.13           | 181.85      | 9,982.37              | -2,349.43    | -531.12      | 2,398.42                | 0.00                    | 0.00                   | 0.00                  |
| 12,400.00             | 90.13           | 181.85      | 9,982.14              | -2,449.38    | -534.34      | 2,497.95                | 0.00                    | 0.00                   | 0.00                  |
| 12,500.00             | 90.13           | 181.85      | 9,981.90              | -2,549.33    | -537.57      | 2,597.47                | 0.00                    | 0.00                   | 0.00                  |
| 12,600.00             | 90.13           | 181.85      | 9,981.67              | -2,649.28    | -540.79      | 2,696.99                | 0.00                    | 0.00                   | 0.00                  |
| 12,700.00             | 90.13           | 181.85      | 9,981.43              | -2,749.22    | -544.01      | 2,796.52                | 0.00                    | 0.00                   | 0.00                  |
| 12,800.00             | 90.13           | 181.85      | 9,981.20              | -2,849.17    | -547.24      | 2,896.04                | 0.00                    | 0.00                   | 0.00                  |
| 12,900.00             | 90.13           | 181.85      | 9,980.96              | -2,949.12    | -550.46      | 2,995.57                | 0.00                    | 0.00                   | 0.00                  |
| 13,000.00             | 90.13           | 181.85      | 9,980.72              | -3,049.07    | -553.68      | 3,095.09                | 0.00                    | 0.00                   | 0.00                  |
| 13,100.00             | 90.13           | 181.85      | 9,980.49              | -3,149.02    | -556.90      | 3,194.61                | 0.00                    | 0.00                   | 0.00                  |
| 13,200.00             | 90.13           | 181.85      | 9,980.25              | -3,248.96    | -560.13      | 3,294.14                | 0.00                    | 0.00                   | 0.00                  |
| 13,300.00             | 90.13           | 181.85      | 9,980.02              | -3,348.91    | -563.35      | 3,393.66                | 0.00                    | 0.00                   | 0.00                  |
| 13,400.00             | 90.13           | 181.85      | 9,979.78              | -3,448.86    | -566.57      | 3,493.18                | 0.00                    | 0.00                   | 0.00                  |
| 13,500.00             | 90.13           | 181.85      | 9,979.55              | -3,548.81    | -569.79      | 3,592.71                | 0.00                    | 0.00                   | 0.00                  |
| 13,600.00             | 90.13           | 181.85      | 9,979.31              | -3,648.75    | -573.02      | 3,692.23                | 0.00                    | 0.00                   | 0.00                  |
| 13,700.00             | 90.13           | 181.85      | 9,979.08              | -3,748.70    | -576.24      | 3,791.76                | 0.00                    | 0.00                   | 0.00                  |
| 13,800.00             | 90.13           | 181.85      | 9,978.84              | -3,848.65    | -579.46      | 3,891.28                | 0.00                    | 0.00                   | 0.00                  |
| 13,900.00             | 90.13           | 181.85      | 9,978.61              | -3,948.60    | -582.68      | 3,990.80                | 0.00                    | 0.00                   | 0.00                  |
| 14,000.00             | 90.13           | 181.85      | 9,978.37              | -4,048.55    | -585.91      | 4,090.33                | 0.00                    | 0.00                   | 0.00                  |
| 14,100.00             | 90.13           | 181.85      | 9,978.14              | -4,148.49    | -589.13      | 4,189.85                | 0.00                    | 0.00                   | 0.00                  |
| 14,200.00             | 90.13           | 181.85      | 9,977.90              | -4,248.44    | -592.35      | 4,289.37                | 0.00                    | 0.00                   | 0.00                  |



## Altitude Energy Partners

## Planning Report



|                  |                                 |                                     |                                      |
|------------------|---------------------------------|-------------------------------------|--------------------------------------|
| <b>Database:</b> | EDM 5000.1 Single User Db       | <b>Local Co-ordinate Reference:</b> | Well Silver Bullet 16 W1CN State #3H |
| <b>Company:</b>  | Mewbourne Oil Company           | <b>TVD Reference:</b>               | KB=28' @ 2947.00usft                 |
| <b>Project:</b>  | Eddy Co., NM (NAD 83)           | <b>MD Reference:</b>                | KB=28' @ 2947.00usft                 |
| <b>Site:</b>     | Silver Bullet Pad               | <b>North Reference:</b>             | Grid                                 |
| <b>Well:</b>     | Silver Bullet 16 W1CN State #3H | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | OH                              |                                     |                                      |
| <b>Design:</b>   | Plan #2                         |                                     |                                      |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 14,300.00             | 90.13           | 181.85      | 9,977.67              | -4,348.39    | -595.57      | 4,388.90                | 0.00                    | 0.00                   | 0.00                  |
| 14,400.00             | 90.13           | 181.85      | 9,977.43              | -4,448.34    | -598.80      | 4,488.42                | 0.00                    | 0.00                   | 0.00                  |
| 14,500.00             | 90.13           | 181.85      | 9,977.20              | -4,548.28    | -602.02      | 4,587.95                | 0.00                    | 0.00                   | 0.00                  |
| 14,583.16             | 90.13           | 181.85      | 9,977.00              | -4,631.40    | -604.70      | 4,670.71                | 0.00                    | 0.00                   | 0.00                  |
| TD at 14583.16        |                 |             |                       |              |              |                         |                         |                        |                       |

| Design Targets            |               |              |            |              |              |                 |                |           |             |
|---------------------------|---------------|--------------|------------|--------------|--------------|-----------------|----------------|-----------|-------------|
| Target Name               | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude  | Longitude   |
| - hit/miss target         |               |              |            |              |              |                 |                |           |             |
| - Shape                   |               |              |            |              |              |                 |                |           |             |
| Silver Bullet 16 W1CN S   | 0.00          | 0.00         | 9,414.04   | 189.37       | -449.26      | 381,968.57      | 647,002.84     | 32.049653 | -103.992282 |
| - plan hits target center |               |              |            |              |              |                 |                |           |             |
| - Point                   |               |              |            |              |              |                 |                |           |             |
| Silver Bullet 16 W1CN S   | 0.00          | 0.00         | 9,977.00   | -4,631.40    | -604.70      | 377,147.80      | 646,847.40     | 32.036402 | -103.992832 |
| - plan hits target center |               |              |            |              |              |                 |                |           |             |
| - Point                   |               |              |            |              |              |                 |                |           |             |

| Plan Annotations      |                       |                   |              |                 |
|-----------------------|-----------------------|-------------------|--------------|-----------------|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              | Comment         |
|                       |                       | +N/-S (usft)      | +E/-W (usft) |                 |
| 2,900.00              | 2,900.00              | 0.00              | 0.00         | Build 1.5°/100' |
| 3,199.04              | 3,198.73              | 4.54              | -10.78       | 5934' Hold      |
| 9,133.79              | 9,115.31              | 184.83            | -438.48      | Drop 1.5°/100'  |
| 9,432.83              | 9,414.04              | 189.37            | -449.26      | Build 10°/100'  |
| 10,334.18             | 9,987.00              | -384.64           | -467.77      | 4248' Hold      |
| 14,583.16             | 9,977.00              | -4,631.40         | -604.70      | TD at 14583.16  |



**MEWBOURNE**  
**OIL COMPANY**

## **Mewbourne Oil Company**

**Eddy Co., NM (NAD 83)**

**Sliver Bullet Pad**

**Silver Bullet 16 W1CN State #3H**

**OH**

**Plan #2**

## **Anticollision Report**

**06 November, 2020**





## Altitude Energy Partners

## Anticollision Report



|                           |                                 |                                     |                                      |
|---------------------------|---------------------------------|-------------------------------------|--------------------------------------|
| <b>Company:</b>           | Mewbourne Oil Company           | <b>Local Co-ordinate Reference:</b> | Well Silver Bullet 16 W1CN State #3H |
| <b>Project:</b>           | Eddy Co., NM (NAD 83)           | <b>TVD Reference:</b>               | KB=28' @ 2947.00usft                 |
| <b>Reference Site:</b>    | Silver Bullet Pad               | <b>MD Reference:</b>                | KB=28' @ 2947.00usft                 |
| <b>Site Error:</b>        | 0.00 usft                       | <b>North Reference:</b>             | Grid                                 |
| <b>Reference Well:</b>    | Silver Bullet 16 W1CN State #3H | <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> | OH                              | <b>Database:</b>                    | EDM 5000.1 Single User Db            |
| <b>Reference Design:</b>  | Plan #2                         | <b>Offset TVD Reference:</b>        | Offset Datum                         |

| Reference                    | Plan #2                                                             |                |                     |
|------------------------------|---------------------------------------------------------------------|----------------|---------------------|
| Filter type:                 | NO GLOBAL FILTER: Using user defined selection & filtering criteria |                |                     |
| Interpolation Method:        | Stations                                                            | Error Model:   | ISCWSA              |
| Depth Range:                 | Unlimited                                                           | Scan Method:   | Closest Approach 3D |
| Results Limited by:          | Max. Cent. Dist. of 1,000.00usft or Max. SF of 6                    | Error Surface: | Pedal Curve         |
| Warning Levels Evaluated at: | 2.00 Sigma                                                          | Casing Method: | Not applied         |

| Survey Tool Program |              | Date              | 11/6/2020  |                       |  |
|---------------------|--------------|-------------------|------------|-----------------------|--|
| From<br>(usft)      | To<br>(usft) | Survey (Wellbore) | Tool Name  | Description           |  |
| 0.00                | 14,583.16    | Plan #2 (OH)      | MWD + HDGM | MWD + HDGM - Standard |  |

| Summary                                        |                                 |                              |                                 |                                  |                   |                 |
|------------------------------------------------|---------------------------------|------------------------------|---------------------------------|----------------------------------|-------------------|-----------------|
| Site Name                                      | Reference Measured Depth (usft) | Offset Measured Depth (usft) | Distance Between Centres (usft) | Distance Between Ellipses (usft) | Separation Factor | Warning         |
| Offset Well - Wellbore - Design                |                                 |                              |                                 |                                  |                   |                 |
| Sliver Bullet Pad                              |                                 |                              |                                 |                                  |                   |                 |
| Silver Bullet 16 W1CN State #4H - OH - Plan #1 | 2,816.33                        | 2,817.33                     | 30.00                           | 10.27                            | 1.520             | CC              |
| Silver Bullet 16 W1CN State #4H - OH - Plan #1 | 2,900.00                        | 2,900.99                     | 30.00                           | 9.67                             | 1.475             | Level 3, ES, SF |
| Silver Bullet 16 W1DM State #1H - OH - Plan #2 |                                 |                              |                                 |                                  |                   | Out of range    |
| Silver Bullet 16 W1DM State #2H - OH - Plan #1 | 9,632.90                        | 9,659.24                     | 659.45                          | 590.71                           | 9.594             | CC              |
| Silver Bullet 16 W1DM State #2H - OH - Plan #1 | 14,583.16                       | 14,792.04                    | 689.08                          | 541.99                           | 4.685             | ES, SF          |

| Offset Design: Silver Bullet Pad - Silver Bullet 16 W1CN State #4H - OH - Plan #1 |                       |                       |                       |                  |               |                       |                        |              |                        |                         |                           |                   | Offset Site Error: 0.00 usft |  |
|-----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|-----------------------|------------------------|--------------|------------------------|-------------------------|---------------------------|-------------------|------------------------------|--|
| Survey Program: 0-MWD + HDGM                                                      |                       |                       |                       |                  |               |                       |                        |              | Rule Assigned:         |                         |                           |                   | Offset Well Error: 0.00 usft |  |
| Reference                                                                         |                       | Offset                |                       | Semi Major Axis  |               | Highside Toolface (°) | Offset Wellbore Centre |              | Distance               |                         | Minimum Separation (usft) | Separation Factor | Warning                      |  |
| Measured Depth (usft)                                                             | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) |                       | +N/-S (usft)           | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) |                           |                   |                              |  |
| 0.00                                                                              | 0.00                  | 1.00                  | 1.00                  | 0.00             | 0.00          | 89.05                 | 0.50                   | 30.00        | 30.00                  |                         |                           |                   |                              |  |
| 100.00                                                                            | 100.00                | 101.00                | 101.00                | 0.13             | 0.13          | 89.05                 | 0.50                   | 30.00        | 30.00                  | 29.74                   | 0.26                      | 114.658           |                              |  |
| 200.00                                                                            | 200.00                | 201.00                | 201.00                | 0.49             | 0.49          | 89.05                 | 0.50                   | 30.00        | 30.00                  | 29.03                   | 0.98                      | 30.659            |                              |  |
| 300.00                                                                            | 300.00                | 301.00                | 301.00                | 0.85             | 0.85          | 89.05                 | 0.50                   | 30.00        | 30.00                  | 28.31                   | 1.70                      | 17.696            |                              |  |
| 400.00                                                                            | 400.00                | 401.00                | 401.00                | 1.20             | 1.21          | 89.05                 | 0.50                   | 30.00        | 30.00                  | 27.59                   | 2.41                      | 12.437            |                              |  |
| 500.00                                                                            | 500.00                | 501.00                | 501.00                | 1.56             | 1.57          | 89.05                 | 0.50                   | 30.00        | 30.00                  | 26.87                   | 3.13                      | 9.588             |                              |  |
| 600.00                                                                            | 600.00                | 601.00                | 601.00                | 1.92             | 1.92          | 89.05                 | 0.50                   | 30.00        | 30.00                  | 26.16                   | 3.85                      | 7.801             |                              |  |
| 700.00                                                                            | 700.00                | 701.00                | 701.00                | 2.28             | 2.28          | 89.05                 | 0.50                   | 30.00        | 30.00                  | 25.44                   | 4.56                      | 6.575             |                              |  |
| 800.00                                                                            | 800.00                | 801.00                | 801.00                | 2.64             | 2.64          | 89.05                 | 0.50                   | 30.00        | 30.00                  | 24.72                   | 5.28                      | 5.682             |                              |  |
| 900.00                                                                            | 900.00                | 901.00                | 901.00                | 3.00             | 3.00          | 89.05                 | 0.50                   | 30.00        | 30.00                  | 24.01                   | 6.00                      | 5.003             |                              |  |
| 1,000.00                                                                          | 1,000.00              | 1,001.00              | 1,001.00              | 3.36             | 3.36          | 89.05                 | 0.50                   | 30.00        | 30.00                  | 23.29                   | 6.71                      | 4.469             |                              |  |
| 1,100.00                                                                          | 1,100.00              | 1,101.00              | 1,101.00              | 3.71             | 3.72          | 89.05                 | 0.50                   | 30.00        | 30.00                  | 22.57                   | 7.43                      | 4.038             |                              |  |
| 1,200.00                                                                          | 1,200.00              | 1,201.00              | 1,201.00              | 4.07             | 4.08          | 89.05                 | 0.50                   | 30.00        | 30.00                  | 21.86                   | 8.15                      | 3.682             |                              |  |
| 1,300.00                                                                          | 1,300.00              | 1,301.00              | 1,301.00              | 4.43             | 4.43          | 89.05                 | 0.50                   | 30.00        | 30.00                  | 21.14                   | 8.87                      | 3.385             |                              |  |
| 1,400.00                                                                          | 1,400.00              | 1,401.00              | 1,401.00              | 4.79             | 4.79          | 89.05                 | 0.50                   | 30.00        | 30.00                  | 20.42                   | 9.58                      | 3.131             |                              |  |
| 1,500.00                                                                          | 1,500.00              | 1,501.00              | 1,501.00              | 5.15             | 5.15          | 89.05                 | 0.50                   | 30.00        | 30.00                  | 19.71                   | 10.30                     | 2.913             |                              |  |
| 1,600.00                                                                          | 1,600.00              | 1,601.00              | 1,601.00              | 5.51             | 5.51          | 89.05                 | 0.50                   | 30.00        | 30.00                  | 18.99                   | 11.02                     | 2.724             |                              |  |
| 1,700.00                                                                          | 1,700.00              | 1,701.00              | 1,701.00              | 5.86             | 5.87          | 89.05                 | 0.50                   | 30.00        | 30.00                  | 18.27                   | 11.73                     | 2.557             |                              |  |
| 1,800.00                                                                          | 1,800.00              | 1,801.00              | 1,801.00              | 6.22             | 6.23          | 89.05                 | 0.50                   | 30.00        | 30.00                  | 17.55                   | 12.45                     | 2.410             |                              |  |
| 1,900.00                                                                          | 1,900.00              | 1,901.00              | 1,901.00              | 6.58             | 6.59          | 89.05                 | 0.50                   | 30.00        | 30.00                  | 16.84                   | 13.17                     | 2.279             |                              |  |
| 2,000.00                                                                          | 2,000.00              | 2,001.00              | 2,001.00              | 6.94             | 6.94          | 89.05                 | 0.50                   | 30.00        | 30.00                  | 16.12                   | 13.88                     | 2.161             |                              |  |
| 2,100.00                                                                          | 2,100.00              | 2,101.00              | 2,101.00              | 7.30             | 7.30          | 89.05                 | 0.50                   | 30.00        | 30.00                  | 15.40                   | 14.60                     | 2.055             |                              |  |

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



# Altitude Energy Partners

## Anticollision Report



|                           |                                 |                                     |                                      |
|---------------------------|---------------------------------|-------------------------------------|--------------------------------------|
| <b>Company:</b>           | Mewbourne Oil Company           | <b>Local Co-ordinate Reference:</b> | Well Silver Bullet 16 W1CN State #3H |
| <b>Project:</b>           | Eddy Co., NM (NAD 83)           | <b>TVD Reference:</b>               | KB=28' @ 2947.00usft                 |
| <b>Reference Site:</b>    | Silver Bullet Pad               | <b>MD Reference:</b>                | KB=28' @ 2947.00usft                 |
| <b>Site Error:</b>        | 0.00 usft                       | <b>North Reference:</b>             | Grid                                 |
| <b>Reference Well:</b>    | Silver Bullet 16 W1CN State #3H | <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> | OH                              | <b>Database:</b>                    | EDM 5000.1 Single User Db            |
| <b>Reference Design:</b>  | Plan #2                         | <b>Offset TVD Reference:</b>        | Offset Datum                         |

|                                                                                          |                              |                              |                              |                         |                      |                              |                     |                     |                               |                                |                                  |                          |                                     |
|------------------------------------------------------------------------------------------|------------------------------|------------------------------|------------------------------|-------------------------|----------------------|------------------------------|---------------------|---------------------|-------------------------------|--------------------------------|----------------------------------|--------------------------|-------------------------------------|
| <b>Offset Design:</b> Silver Bullet Pad - Silver Bullet 16 W1CN State #4H - OH - Plan #1 |                              |                              |                              |                         |                      |                              |                     |                     |                               |                                |                                  |                          | <b>Offset Site Error:</b> 0.00 usft |
| <b>Survey Program:</b> 0-MWD + HDGM                                                      |                              |                              |                              |                         |                      |                              |                     |                     |                               |                                |                                  |                          | <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> |                                     |
| 2,200.00                                                                                 | 2,200.00                     | 2,201.00                     | 2,201.00                     | 7.66                    | 7.66                 | 89.05                        | 0.50                | 30.00               | 30.00                         | 14.69                          | 15.32                            | 1.959                    |                                     |
| 2,300.00                                                                                 | 2,300.00                     | 2,301.00                     | 2,301.00                     | 8.02                    | 8.02                 | 89.05                        | 0.50                | 30.00               | 30.00                         | 13.97                          | 16.03                            | 1.871                    |                                     |
| 2,400.00                                                                                 | 2,400.00                     | 2,401.00                     | 2,401.00                     | 8.37                    | 8.38                 | 89.05                        | 0.50                | 30.00               | 30.00                         | 13.25                          | 16.75                            | 1.791                    |                                     |
| 2,500.00                                                                                 | 2,500.00                     | 2,501.00                     | 2,501.00                     | 8.73                    | 8.74                 | 89.05                        | 0.50                | 30.00               | 30.00                         | 12.54                          | 17.47                            | 1.718                    |                                     |
| 2,600.00                                                                                 | 2,600.00                     | 2,601.00                     | 2,601.00                     | 9.09                    | 9.09                 | 89.05                        | 0.50                | 30.00               | 30.00                         | 11.82                          | 18.19                            | 1.650                    |                                     |
| 2,700.00                                                                                 | 2,700.00                     | 2,701.00                     | 2,701.00                     | 9.45                    | 9.45                 | 89.05                        | 0.50                | 30.00               | 30.00                         | 11.10                          | 18.90                            | 1.587                    |                                     |
| 2,800.00                                                                                 | 2,800.00                     | 2,801.00                     | 2,801.00                     | 9.81                    | 9.81                 | 89.05                        | 0.50                | 30.00               | 30.00                         | 10.39                          | 19.62                            | 1.529                    |                                     |
| 2,816.33                                                                                 | 2,816.33                     | 2,817.33                     | 2,817.33                     | 9.87                    | 9.87                 | 89.05                        | 0.50                | 30.00               | 30.00                         | 10.27                          | 19.74                            | 1.520 CC                 |                                     |
| 2,900.00                                                                                 | 2,900.00                     | 2,900.99                     | 2,900.99                     | 10.17                   | 10.17                | 89.04                        | 0.50                | 30.00               | 30.00                         | 9.67                           | 20.34                            | 1.475 Level 3, ES, SF    |                                     |
| 3,000.00                                                                                 | 2,999.99                     | 3,000.41                     | 3,000.40                     | 10.52                   | 10.52                | 155.40                       | 1.47                | 30.89               | 32.12                         | 11.08                          | 21.04                            | 1.527                    |                                     |
| 3,100.00                                                                                 | 3,099.91                     | 3,099.88                     | 3,099.80                     | 10.87                   | 10.88                | 153.88                       | 4.16                | 33.36               | 38.26                         | 16.52                          | 21.73                            | 1.760                    |                                     |
| 3,199.04                                                                                 | 3,198.73                     | 3,198.53                     | 3,198.37                     | 11.22                   | 11.23                | 153.87                       | 7.12                | 36.07               | 46.94                         | 24.51                          | 22.43                            | 2.093                    |                                     |
| 3,300.00                                                                                 | 3,299.39                     | 3,298.99                     | 3,298.75                     | 11.57                   | 11.58                | 154.48                       | 10.13               | 38.82               | 56.96                         | 33.83                          | 23.13                            | 2.462                    |                                     |
| 3,400.00                                                                                 | 3,399.08                     | 3,398.50                     | 3,398.17                     | 11.92                   | 11.94                | 154.91                       | 13.11               | 41.56               | 66.89                         | 43.06                          | 23.83                            | 2.807                    |                                     |
| 3,500.00                                                                                 | 3,498.77                     | 3,498.00                     | 3,497.59                     | 12.28                   | 12.29                | 155.23                       | 16.09               | 44.29               | 76.83                         | 52.29                          | 24.54                            | 3.131                    |                                     |
| 3,600.00                                                                                 | 3,598.47                     | 3,597.50                     | 3,597.01                     | 12.63                   | 12.64                | 155.47                       | 19.08               | 47.02               | 86.77                         | 61.53                          | 25.24                            | 3.438                    |                                     |
| 3,700.00                                                                                 | 3,698.16                     | 3,697.01                     | 3,696.44                     | 12.99                   | 13.00                | 155.66                       | 22.06               | 49.76               | 96.71                         | 70.76                          | 25.94                            | 3.728                    |                                     |
| 3,800.00                                                                                 | 3,797.85                     | 3,796.51                     | 3,795.86                     | 13.35                   | 13.35                | 155.82                       | 25.04               | 52.49               | 106.64                        | 80.00                          | 26.65                            | 4.002                    |                                     |
| 3,900.00                                                                                 | 3,897.55                     | 3,896.02                     | 3,895.28                     | 13.71                   | 13.71                | 155.95                       | 28.02               | 55.22               | 116.58                        | 89.23                          | 27.35                            | 4.262                    |                                     |
| 4,000.00                                                                                 | 3,997.24                     | 3,995.52                     | 3,994.70                     | 14.06                   | 14.06                | 156.06                       | 31.00               | 57.95               | 126.52                        | 98.47                          | 28.06                            | 4.509                    |                                     |
| 4,100.00                                                                                 | 4,096.94                     | 4,095.03                     | 4,094.12                     | 14.42                   | 14.42                | 156.16                       | 33.99               | 60.69               | 136.47                        | 107.70                         | 28.76                            | 4.744                    |                                     |
| 4,200.00                                                                                 | 4,196.63                     | 4,194.53                     | 4,193.55                     | 14.78                   | 14.77                | 156.24                       | 36.97               | 63.42               | 146.41                        | 116.94                         | 29.47                            | 4.968                    |                                     |
| 4,300.00                                                                                 | 4,296.32                     | 4,294.04                     | 4,292.97                     | 15.15                   | 15.13                | 156.31                       | 39.95               | 66.15               | 156.35                        | 126.17                         | 30.18                            | 5.181                    |                                     |
| 4,400.00                                                                                 | 4,396.02                     | 4,393.54                     | 4,392.39                     | 15.51                   | 15.49                | 156.37                       | 42.93               | 68.88               | 166.29                        | 135.40                         | 30.89                            | 5.383                    |                                     |
| 4,500.00                                                                                 | 4,495.71                     | 4,493.04                     | 4,491.81                     | 15.87                   | 15.84                | 156.43                       | 45.92               | 71.62               | 176.23                        | 144.63                         | 31.60                            | 5.577                    |                                     |
| 4,600.00                                                                                 | 4,595.40                     | 4,592.55                     | 4,591.24                     | 16.23                   | 16.20                | 156.48                       | 48.90               | 74.35               | 186.17                        | 153.87                         | 32.31                            | 5.762                    |                                     |
| 4,700.00                                                                                 | 4,695.10                     | 4,692.05                     | 4,690.66                     | 16.60                   | 16.56                | 156.52                       | 51.88               | 77.08               | 196.12                        | 163.10                         | 33.02                            | 5.940                    |                                     |
| 4,800.00                                                                                 | 4,794.79                     | 4,791.56                     | 4,790.08                     | 16.96                   | 16.91                | 156.56                       | 54.86               | 79.81               | 206.06                        | 172.33                         | 33.73                            | 6.109                    |                                     |
| 4,900.00                                                                                 | 4,894.48                     | 4,891.06                     | 4,889.50                     | 17.32                   | 17.27                | 156.60                       | 57.84               | 82.55               | 216.00                        | 181.56                         | 34.44                            | 6.272                    |                                     |
| 5,000.00                                                                                 | 4,994.18                     | 4,990.57                     | 4,988.92                     | 17.69                   | 17.63                | 156.63                       | 60.83               | 85.28               | 225.94                        | 190.79                         | 35.15                            | 6.428                    |                                     |
| 5,100.00                                                                                 | 5,093.87                     | 5,090.07                     | 5,088.35                     | 18.05                   | 17.98                | 156.66                       | 63.81               | 88.01               | 235.89                        | 200.02                         | 35.86                            | 6.577                    |                                     |
| 5,200.00                                                                                 | 5,193.57                     | 5,189.57                     | 5,187.77                     | 18.42                   | 18.34                | 156.69                       | 66.79               | 90.75               | 245.83                        | 209.25                         | 36.58                            | 6.721                    |                                     |
| 5,300.00                                                                                 | 5,293.26                     | 5,289.08                     | 5,287.19                     | 18.78                   | 18.70                | 156.72                       | 69.77               | 93.48               | 255.77                        | 218.48                         | 37.29                            | 6.859                    |                                     |
| 5,400.00                                                                                 | 5,392.95                     | 5,388.58                     | 5,386.61                     | 19.15                   | 19.06                | 156.74                       | 72.75               | 96.21               | 265.71                        | 227.71                         | 38.00                            | 6.992                    |                                     |
| 5,500.00                                                                                 | 5,492.65                     | 5,488.09                     | 5,486.03                     | 19.52                   | 19.41                | 156.76                       | 75.74               | 98.94               | 275.66                        | 236.94                         | 38.71                            | 7.120                    |                                     |
| 5,600.00                                                                                 | 5,592.34                     | 5,587.59                     | 5,585.46                     | 19.88                   | 19.77                | 156.78                       | 78.72               | 101.68              | 285.60                        | 246.17                         | 39.43                            | 7.244                    |                                     |
| 5,700.00                                                                                 | 5,692.03                     | 5,687.10                     | 5,684.88                     | 20.25                   | 20.13                | 156.80                       | 81.70               | 104.41              | 295.54                        | 255.40                         | 40.14                            | 7.362                    |                                     |
| 5,800.00                                                                                 | 5,791.73                     | 5,786.60                     | 5,784.30                     | 20.61                   | 20.49                | 156.82                       | 84.68               | 107.14              | 305.48                        | 264.63                         | 40.86                            | 7.477                    |                                     |
| 5,900.00                                                                                 | 5,891.42                     | 5,886.11                     | 5,883.72                     | 20.98                   | 20.84                | 156.84                       | 87.66               | 109.87              | 315.43                        | 273.86                         | 41.57                            | 7.588                    |                                     |
| 6,000.00                                                                                 | 5,991.12                     | 5,985.61                     | 5,983.15                     | 21.35                   | 21.20                | 156.85                       | 90.65               | 112.61              | 325.37                        | 283.09                         | 42.28                            | 7.695                    |                                     |
| 6,100.00                                                                                 | 6,090.81                     | 6,085.11                     | 6,082.57                     | 21.72                   | 21.56                | 156.87                       | 93.63               | 115.34              | 335.31                        | 292.31                         | 43.00                            | 7.798                    |                                     |
| 6,200.00                                                                                 | 6,190.50                     | 6,184.62                     | 6,181.99                     | 22.08                   | 21.92                | 156.88                       | 96.61               | 118.07              | 345.26                        | 301.54                         | 43.71                            | 7.898                    |                                     |
| 6,300.00                                                                                 | 6,290.20                     | 6,284.12                     | 6,281.41                     | 22.45                   | 22.28                | 156.90                       | 99.59               | 120.80              | 355.20                        | 310.77                         | 44.43                            | 7.995                    |                                     |
| 6,400.00                                                                                 | 6,389.89                     | 6,383.63                     | 6,380.83                     | 22.82                   | 22.63                | 156.91                       | 102.57              | 123.54              | 365.14                        | 320.00                         | 45.14                            | 8.088                    |                                     |
| 6,500.00                                                                                 | 6,489.58                     | 6,483.13                     | 6,480.26                     | 23.19                   | 22.99                | 156.92                       | 105.56              | 126.27              | 375.08                        | 329.22                         | 45.86                            | 8.179                    |                                     |
| 6,600.00                                                                                 | 6,589.28                     | 6,582.64                     | 6,579.68                     | 23.56                   | 23.35                | 156.93                       | 108.54              | 129.00              | 385.03                        | 338.45                         | 46.58                            | 8.267                    |                                     |
| 6,700.00                                                                                 | 6,688.97                     | 6,682.14                     | 6,679.10                     | 23.93                   | 23.71                | 156.94                       | 111.52              | 131.73              | 394.97                        | 347.68                         | 47.29                            | 8.352                    |                                     |
| 6,800.00                                                                                 | 6,788.67                     | 6,781.65                     | 6,778.52                     | 24.29                   | 24.07                | 156.95                       | 114.50              | 134.47              | 404.91                        | 356.91                         | 48.01                            | 8.434                    |                                     |
| 6,900.00                                                                                 | 6,888.36                     | 6,881.15                     | 6,877.95                     | 24.66                   | 24.42                | 156.96                       | 117.48              | 137.20              | 414.86                        | 366.13                         | 48.72                            | 8.514                    |                                     |
| 7,000.00                                                                                 | 6,988.05                     | 6,980.65                     | 6,977.37                     | 25.03                   | 24.78                | 156.97                       | 120.47              | 139.93              | 424.80                        | 375.36                         | 49.44                            | 8.592                    |                                     |
| 7,100.00                                                                                 | 7,087.75                     | 7,080.16                     | 7,076.79                     | 25.40                   | 25.14                | 156.98                       | 123.45              | 142.67              | 434.74                        | 384.59                         | 50.16                            | 8.668                    |                                     |
| 7,200.00                                                                                 | 7,187.44                     | 7,179.66                     | 7,176.21                     | 25.77                   | 25.50                | 156.99                       | 126.43              | 145.40              | 444.69                        | 393.81                         | 50.87                            | 8.741                    |                                     |

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



# Altitude Energy Partners

## Anticollision Report



|                           |                                 |                                     |                                      |
|---------------------------|---------------------------------|-------------------------------------|--------------------------------------|
| <b>Company:</b>           | Mewbourne Oil Company           | <b>Local Co-ordinate Reference:</b> | Well Silver Bullet 16 W1CN State #3H |
| <b>Project:</b>           | Eddy Co., NM (NAD 83)           | <b>TVD Reference:</b>               | KB=28' @ 2947.00usft                 |
| <b>Reference Site:</b>    | Silver Bullet Pad               | <b>MD Reference:</b>                | KB=28' @ 2947.00usft                 |
| <b>Site Error:</b>        | 0.00 usft                       | <b>North Reference:</b>             | Grid                                 |
| <b>Reference Well:</b>    | Silver Bullet 16 W1CN State #3H | <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> | OH                              | <b>Database:</b>                    | EDM 5000.1 Single User Db            |
| <b>Reference Design:</b>  | Plan #2                         | <b>Offset TVD Reference:</b>        | Offset Datum                         |

|                                                                                          |                              |                              |                              |                         |                      |                              |                     |                     |                               |                                |                                  |                          |                                     |
|------------------------------------------------------------------------------------------|------------------------------|------------------------------|------------------------------|-------------------------|----------------------|------------------------------|---------------------|---------------------|-------------------------------|--------------------------------|----------------------------------|--------------------------|-------------------------------------|
| <b>Offset Design:</b> Silver Bullet Pad - Silver Bullet 16 W1CN State #4H - OH - Plan #1 |                              |                              |                              |                         |                      |                              |                     |                     |                               |                                |                                  |                          | <b>Offset Site Error:</b> 0.00 usft |
| <b>Survey Program:</b> 0-MWD + HDGM                                                      |                              |                              |                              |                         |                      |                              |                     |                     |                               |                                |                                  |                          | <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> |                                     |
| 7,300.00                                                                                 | 7,287.13                     | 7,279.17                     | 7,275.63                     | 26.14                   | 25.86                | 157.00                       | 129.41              | 148.13              | 454.63                        | 403.04                         | 51.59                            | 8.812                    |                                     |
| 7,400.00                                                                                 | 7,386.83                     | 7,378.67                     | 7,375.06                     | 26.51                   | 26.22                | 157.00                       | 132.39              | 150.86              | 464.57                        | 412.26                         | 52.31                            | 8.882                    |                                     |
| 7,500.00                                                                                 | 7,486.52                     | 7,478.18                     | 7,474.48                     | 26.88                   | 26.58                | 157.01                       | 135.38              | 153.60              | 474.51                        | 421.49                         | 53.02                            | 8.949                    |                                     |
| 7,600.00                                                                                 | 7,586.21                     | 7,577.68                     | 7,573.90                     | 27.25                   | 26.93                | 157.02                       | 138.36              | 156.33              | 484.46                        | 430.72                         | 53.74                            | 9.015                    |                                     |
| 7,700.00                                                                                 | 7,685.91                     | 7,677.19                     | 7,673.32                     | 27.62                   | 27.29                | 157.02                       | 141.34              | 159.06              | 494.40                        | 439.94                         | 54.46                            | 9.079                    |                                     |
| 7,800.00                                                                                 | 7,785.60                     | 7,776.69                     | 7,772.75                     | 27.99                   | 27.65                | 157.03                       | 144.32              | 161.79              | 504.34                        | 449.17                         | 55.18                            | 9.141                    |                                     |
| 7,900.00                                                                                 | 7,885.30                     | 7,876.19                     | 7,872.17                     | 28.36                   | 28.01                | 157.04                       | 147.30              | 164.53              | 514.29                        | 458.39                         | 55.89                            | 9.201                    |                                     |
| 8,000.00                                                                                 | 7,984.99                     | 7,975.70                     | 7,971.59                     | 28.73                   | 28.37                | 157.04                       | 150.29              | 167.26              | 524.23                        | 467.62                         | 56.61                            | 9.260                    |                                     |
| 8,100.00                                                                                 | 8,084.68                     | 8,075.20                     | 8,071.01                     | 29.10                   | 28.73                | 157.05                       | 153.27              | 169.99              | 534.17                        | 476.85                         | 57.33                            | 9.318                    |                                     |
| 8,200.00                                                                                 | 8,184.38                     | 8,174.71                     | 8,170.43                     | 29.47                   | 29.09                | 157.05                       | 156.25              | 172.72              | 544.12                        | 486.07                         | 58.05                            | 9.374                    |                                     |
| 8,300.00                                                                                 | 8,284.07                     | 8,274.21                     | 8,269.86                     | 29.84                   | 29.45                | 157.06                       | 159.23              | 175.46              | 554.06                        | 495.30                         | 58.76                            | 9.429                    |                                     |
| 8,400.00                                                                                 | 8,383.76                     | 8,373.72                     | 8,369.28                     | 30.21                   | 29.80                | 157.07                       | 162.21              | 178.19              | 564.00                        | 504.52                         | 59.48                            | 9.482                    |                                     |
| 8,500.00                                                                                 | 8,483.46                     | 8,473.22                     | 8,468.70                     | 30.58                   | 30.16                | 157.07                       | 165.20              | 180.92              | 573.95                        | 513.75                         | 60.20                            | 9.534                    |                                     |
| 8,600.00                                                                                 | 8,583.15                     | 8,572.73                     | 8,568.12                     | 30.95                   | 30.52                | 157.08                       | 168.18              | 183.65              | 583.89                        | 522.97                         | 60.92                            | 9.585                    |                                     |
| 8,700.00                                                                                 | 8,682.85                     | 8,672.23                     | 8,667.54                     | 31.32                   | 30.88                | 157.08                       | 171.16              | 186.39              | 593.83                        | 532.20                         | 61.64                            | 9.635                    |                                     |
| 8,800.00                                                                                 | 8,782.54                     | 8,771.73                     | 8,766.97                     | 31.69                   | 31.24                | 157.08                       | 174.14              | 189.12              | 603.77                        | 541.42                         | 62.35                            | 9.683                    |                                     |
| 8,900.00                                                                                 | 8,882.23                     | 8,871.24                     | 8,866.39                     | 32.06                   | 31.60                | 157.09                       | 177.13              | 191.85              | 613.72                        | 550.65                         | 63.07                            | 9.730                    |                                     |
| 9,000.00                                                                                 | 8,981.93                     | 8,970.74                     | 8,965.81                     | 32.44                   | 31.96                | 157.09                       | 180.11              | 194.59              | 623.66                        | 559.87                         | 63.79                            | 9.777                    |                                     |
| 9,100.00                                                                                 | 9,081.62                     | 9,070.25                     | 9,065.23                     | 32.81                   | 32.32                | 157.10                       | 183.09              | 197.32              | 633.60                        | 569.09                         | 64.51                            | 9.822                    |                                     |
| 9,133.79                                                                                 | 9,115.31                     | 9,103.87                     | 9,098.83                     | 32.93                   | 32.44                | 157.10                       | 184.10              | 198.24              | 636.96                        | 572.21                         | 64.75                            | 9.837                    |                                     |
| 9,200.00                                                                                 | 9,181.36                     | 9,169.80                     | 9,164.71                     | 33.18                   | 32.68                | 157.12                       | 186.07              | 200.05              | 643.02                        | 577.79                         | 65.23                            | 9.858                    |                                     |
| 9,300.00                                                                                 | 9,281.24                     | 9,269.54                     | 9,264.36                     | 33.54                   | 33.04                | 157.06                       | 189.06              | 202.79              | 650.17                        | 584.23                         | 65.94                            | 9.859                    |                                     |
| 9,400.00                                                                                 | 9,381.21                     | 9,369.40                     | 9,364.14                     | 33.89                   | 33.40                | 156.90                       | 192.05              | 205.53              | 654.92                        | 588.26                         | 66.66                            | 9.825                    |                                     |
| 9,432.83                                                                                 | 9,414.04                     | 9,402.20                     | 9,396.91                     | 34.01                   | 33.52                | 89.68                        | 193.04              | 206.43              | 655.96                        | 589.06                         | 66.89                            | 9.806                    |                                     |
| 9,450.00                                                                                 | 9,431.21                     | 9,419.34                     | 9,414.04                     | 34.07                   | 33.58                | -92.19                       | 193.55              | 206.91              | 656.44                        | 589.43                         | 67.01                            | 9.796                    |                                     |
| 9,500.00                                                                                 | 9,481.06                     | 9,469.04                     | 9,463.69                     | 34.23                   | 33.76                | -92.48                       | 195.04              | 208.27              | 657.99                        | 590.63                         | 67.35                            | 9.769                    |                                     |
| 9,550.00                                                                                 | 9,530.40                     | 9,523.01                     | 9,517.63                     | 34.38                   | 33.95                | -93.19                       | 196.50              | 209.60              | 659.67                        | 591.95                         | 67.72                            | 9.741                    |                                     |
| 9,600.00                                                                                 | 9,578.85                     | 9,577.92                     | 9,572.52                     | 34.53                   | 34.15                | -94.26                       | 197.42              | 210.45              | 661.32                        | 593.24                         | 68.08                            | 9.713                    |                                     |
| 9,650.00                                                                                 | 9,626.05                     | 9,631.72                     | 9,626.32                     | 34.67                   | 34.34                | -95.63                       | 197.76              | 210.76              | 663.15                        | 594.72                         | 68.43                            | 9.690                    |                                     |
| 9,700.00                                                                                 | 9,671.63                     | 9,685.56                     | 9,680.11                     | 34.80                   | 34.52                | -97.15                       | 195.74              | 210.70              | 665.41                        | 596.65                         | 68.75                            | 9.678                    |                                     |
| 9,750.00                                                                                 | 9,715.26                     | 9,741.68                     | 9,735.71                     | 34.92                   | 34.69                | -98.64                       | 188.31              | 210.46              | 668.13                        | 599.07                         | 69.06                            | 9.675                    |                                     |
| 9,800.00                                                                                 | 9,756.59                     | 9,800.32                     | 9,792.74                     | 35.03                   | 34.86                | -100.10                      | 174.78              | 210.02              | 671.23                        | 601.90                         | 69.32                            | 9.683                    |                                     |
| 9,850.00                                                                                 | 9,795.32                     | 9,861.69                     | 9,850.61                     | 35.13                   | 35.03                | -101.52                      | 154.46              | 209.37              | 674.61                        | 605.07                         | 69.54                            | 9.701                    |                                     |
| 9,900.00                                                                                 | 9,831.14                     | 9,925.95                     | 9,908.52                     | 35.21                   | 35.20                | -102.87                      | 126.68              | 208.48              | 678.16                        | 608.47                         | 69.69                            | 9.731                    |                                     |
| 9,950.00                                                                                 | 9,863.79                     | 9,993.22                     | 9,965.40                     | 35.29                   | 35.35                | -104.14                      | 90.86               | 207.32              | 681.72                        | 611.96                         | 69.77                            | 9.772                    |                                     |
| 10,000.00                                                                                | 9,893.02                     | 10,063.53                    | 10,019.93                    | 35.36                   | 35.49                | -105.30                      | 46.58               | 205.90              | 685.16                        | 615.39                         | 69.76                            | 9.821                    |                                     |
| 10,050.00                                                                                | 9,918.60                     | 10,136.76                    | 10,070.52                    | 35.43                   | 35.63                | -106.32                      | -6.28               | 204.20              | 688.29                        | 618.59                         | 69.70                            | 9.875                    |                                     |
| 10,100.00                                                                                | 9,940.34                     | 10,212.69                    | 10,115.41                    | 35.50                   | 35.80                | -107.17                      | -67.41              | 202.23              | 690.96                        | 621.35                         | 69.62                            | 9.925                    |                                     |
| 10,150.00                                                                                | 9,958.07                     | 10,290.86                    | 10,152.76                    | 35.59                   | 35.98                | -107.81                      | -135.98             | 200.02              | 693.02                        | 623.47                         | 69.55                            | 9.964                    |                                     |
| 10,200.00                                                                                | 9,971.67                     | 10,370.70                    | 10,180.91                    | 35.70                   | 36.16                | -108.22                      | -210.58             | 197.62              | 694.35                        | 624.78                         | 69.56                            | 9.982                    |                                     |
| 10,250.00                                                                                | 9,981.02                     | 10,451.45                    | 10,198.57                    | 35.82                   | 36.35                | -108.37                      | -289.27             | 195.09              | 694.86                        | 625.16                         | 69.70                            | 9.970                    |                                     |
| 10,300.00                                                                                | 9,986.06                     | 10,532.29                    | 10,204.98                    | 35.95                   | 36.54                | -108.27                      | -369.75             | 192.50              | 694.53                        | 624.54                         | 69.98                            | 9.924                    |                                     |
| 10,334.18                                                                                | 9,987.00                     | 10,569.43                    | 10,204.86                    | 36.04                   | 36.63                | -108.20                      | -406.86             | 191.30              | 694.19                        | 624.01                         | 70.18                            | 9.892                    |                                     |
| 10,400.00                                                                                | 9,986.84                     | 10,635.25                    | 10,204.56                    | 36.22                   | 36.81                | -108.19                      | -472.65             | 189.19              | 694.15                        | 623.62                         | 70.53                            | 9.842                    |                                     |
| 10,500.00                                                                                | 9,986.61                     | 10,735.25                    | 10,204.09                    | 36.55                   | 37.12                | -108.17                      | -572.60             | 185.97              | 694.08                        | 622.94                         | 71.14                            | 9.756                    |                                     |
| 10,600.00                                                                                | 9,986.37                     | 10,835.25                    | 10,203.62                    | 36.92                   | 37.48                | -108.16                      | -672.55             | 182.75              | 694.02                        | 622.15                         | 71.86                            | 9.658                    |                                     |
| 10,700.00                                                                                | 9,986.14                     | 10,935.25                    | 10,203.15                    | 37.34                   | 37.90                | -108.14                      | -772.49             | 179.54              | 693.95                        | 621.27                         | 72.68                            | 9.549                    |                                     |
| 10,800.00                                                                                | 9,985.90                     | 11,035.25                    | 10,202.68                    | 37.81                   | 38.36                | -108.12                      | -872.44             | 176.32              | 693.88                        | 620.30                         | 73.58                            | 9.430                    |                                     |
| 10,900.00                                                                                | 9,985.67                     | 11,135.25                    | 10,202.21                    | 38.33                   | 38.86                | -108.10                      | -972.39             | 173.10              | 693.81                        | 619.23                         | 74.59                            | 9.302                    |                                     |
| 11,000.00                                                                                | 9,985.43                     | 11,235.25                    | 10,201.74                    | 38.89                   | 39.42                | -108.08                      | -1,072.33           | 169.89              | 693.75                        | 618.07                         | 75.68                            | 9.167                    |                                     |
| 11,100.00                                                                                | 9,985.19                     | 11,335.25                    | 10,201.27                    | 39.50                   | 40.01                | -108.06                      | -1,172.28           | 166.67              | 693.68                        | 616.83                         | 76.85                            | 9.026                    |                                     |
| 11,200.00                                                                                | 9,984.96                     | 11,435.25                    | 10,200.80                    | 40.15                   | 40.65                | -108.04                      | -1,272.23           | 163.45              | 693.61                        | 615.51                         | 78.11                            | 8.880                    |                                     |

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



# Altitude Energy Partners

## Anticollision Report



|                           |                                 |                                     |                                      |
|---------------------------|---------------------------------|-------------------------------------|--------------------------------------|
| <b>Company:</b>           | Mewbourne Oil Company           | <b>Local Co-ordinate Reference:</b> | Well Silver Bullet 16 W1CN State #3H |
| <b>Project:</b>           | Eddy Co., NM (NAD 83)           | <b>TVD Reference:</b>               | KB=28' @ 2947.00usft                 |
| <b>Reference Site:</b>    | Silver Bullet Pad               | <b>MD Reference:</b>                | KB=28' @ 2947.00usft                 |
| <b>Site Error:</b>        | 0.00 usft                       | <b>North Reference:</b>             | Grid                                 |
| <b>Reference Well:</b>    | Silver Bullet 16 W1CN State #3H | <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> | OH                              | <b>Database:</b>                    | EDM 5000.1 Single User Db            |
| <b>Reference Design:</b>  | Plan #2                         | <b>Offset TVD Reference:</b>        | Offset Datum                         |

| <b>Offset Design:</b> Silver Bullet Pad - Silver Bullet 16 W1CN State #4H - OH - Plan #1 |                       |                       |                       |           |        |                       |              |              |                        |                         |                           | <b>Offset Site Error:</b> | 0.00 usft |
|------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|-----------|--------|-----------------------|--------------|--------------|------------------------|-------------------------|---------------------------|---------------------------|-----------|
| <b>Survey Program:</b> 0-MWD + HDGM                                                      |                       |                       |                       |           |        |                       |              |              |                        |                         |                           | <b>Offset Well Error:</b> | 0.00 usft |
| Measured Depth (usft)                                                                    | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference | Offset | Highside Toolface (°) | +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor         | Warning   |
| 11,300.00                                                                                | 9,984.72              | 11,535.25             | 10,200.33             | 40.83     | 41.33  | -108.03               | -1,372.18    | 160.24       | 693.55                 | 614.11                  | 79.44                     | 8.731                     |           |
| 11,400.00                                                                                | 9,984.49              | 11,635.25             | 10,199.86             | 41.56     | 42.05  | -108.01               | -1,472.12    | 157.02       | 693.48                 | 612.64                  | 80.84                     | 8.578                     |           |
| 11,500.00                                                                                | 9,984.25              | 11,735.25             | 10,199.40             | 42.32     | 42.80  | -107.99               | -1,572.07    | 153.80       | 693.41                 | 611.09                  | 82.32                     | 8.423                     |           |
| 11,600.00                                                                                | 9,984.02              | 11,835.25             | 10,198.93             | 43.11     | 43.59  | -107.97               | -1,672.02    | 150.59       | 693.35                 | 609.49                  | 83.86                     | 8.268                     |           |
| 11,700.00                                                                                | 9,983.78              | 11,935.25             | 10,198.46             | 43.94     | 44.40  | -107.95               | -1,771.96    | 147.37       | 693.28                 | 607.82                  | 85.46                     | 8.112                     |           |
| 11,800.00                                                                                | 9,983.55              | 12,035.25             | 10,197.99             | 44.79     | 45.25  | -107.93               | -1,871.91    | 144.15       | 693.21                 | 606.09                  | 87.13                     | 7.956                     |           |
| 11,900.00                                                                                | 9,983.31              | 12,135.25             | 10,197.52             | 45.68     | 46.13  | -107.91               | -1,971.86    | 140.94       | 693.15                 | 604.30                  | 88.84                     | 7.802                     |           |
| 12,000.00                                                                                | 9,983.08              | 12,235.25             | 10,197.05             | 46.59     | 47.04  | -107.90               | -2,071.80    | 137.72       | 693.08                 | 602.47                  | 90.61                     | 7.649                     |           |
| 12,100.00                                                                                | 9,982.84              | 12,335.25             | 10,196.58             | 47.53     | 47.97  | -107.88               | -2,171.75    | 134.50       | 693.02                 | 600.58                  | 92.44                     | 7.497                     |           |
| 12,200.00                                                                                | 9,982.61              | 12,435.25             | 10,196.11             | 48.49     | 48.92  | -107.86               | -2,271.70    | 131.29       | 692.95                 | 598.65                  | 94.30                     | 7.348                     |           |
| 12,300.00                                                                                | 9,982.37              | 12,535.25             | 10,195.64             | 49.47     | 49.90  | -107.84               | -2,371.64    | 128.07       | 692.88                 | 596.67                  | 96.21                     | 7.202                     |           |
| 12,400.00                                                                                | 9,982.14              | 12,635.25             | 10,195.17             | 50.48     | 50.90  | -107.82               | -2,471.59    | 124.85       | 692.82                 | 594.65                  | 98.17                     | 7.058                     |           |
| 12,500.00                                                                                | 9,981.90              | 12,735.25             | 10,194.70             | 51.51     | 51.92  | -107.80               | -2,571.54    | 121.64       | 692.75                 | 592.59                  | 100.16                    | 6.917                     |           |
| 12,600.00                                                                                | 9,981.67              | 12,835.25             | 10,194.24             | 52.55     | 52.96  | -107.78               | -2,671.48    | 118.42       | 692.69                 | 590.50                  | 102.19                    | 6.779                     |           |
| 12,700.00                                                                                | 9,981.43              | 12,935.25             | 10,193.77             | 53.62     | 54.02  | -107.77               | -2,771.43    | 115.20       | 692.62                 | 588.37                  | 104.25                    | 6.644                     |           |
| 12,800.00                                                                                | 9,981.20              | 13,035.25             | 10,193.30             | 54.70     | 55.09  | -107.75               | -2,871.38    | 111.99       | 692.55                 | 586.21                  | 106.35                    | 6.512                     |           |
| 12,900.00                                                                                | 9,980.96              | 13,135.25             | 10,192.83             | 55.79     | 56.18  | -107.73               | -2,971.33    | 108.77       | 692.49                 | 584.02                  | 108.47                    | 6.384                     |           |
| 13,000.00                                                                                | 9,980.72              | 13,235.25             | 10,192.36             | 56.90     | 57.29  | -107.71               | -3,071.27    | 105.55       | 692.42                 | 581.79                  | 110.63                    | 6.259                     |           |
| 13,100.00                                                                                | 9,980.49              | 13,335.24             | 10,191.89             | 58.03     | 58.41  | -107.69               | -3,171.22    | 102.34       | 692.36                 | 579.55                  | 112.81                    | 6.137                     |           |
| 13,200.00                                                                                | 9,980.25              | 13,435.24             | 10,191.42             | 59.17     | 59.54  | -107.67               | -3,271.17    | 99.12        | 692.29                 | 577.27                  | 115.02                    | 6.019                     |           |
| 13,300.00                                                                                | 9,980.02              | 13,535.24             | 10,190.95             | 60.32     | 60.69  | -107.65               | -3,371.11    | 95.90        | 692.23                 | 574.97                  | 117.26                    | 5.904                     |           |
| 13,400.00                                                                                | 9,979.78              | 13,635.24             | 10,190.48             | 61.48     | 61.85  | -107.64               | -3,471.06    | 92.69        | 692.16                 | 572.65                  | 119.51                    | 5.791                     |           |
| 13,500.00                                                                                | 9,979.55              | 13,735.24             | 10,190.01             | 62.66     | 63.01  | -107.62               | -3,571.01    | 89.47        | 692.10                 | 570.30                  | 121.79                    | 5.683                     |           |
| 13,600.00                                                                                | 9,979.31              | 13,835.24             | 10,189.54             | 63.84     | 64.19  | -107.60               | -3,670.95    | 86.25        | 692.03                 | 567.94                  | 124.09                    | 5.577                     |           |
| 13,700.00                                                                                | 9,979.08              | 13,935.24             | 10,189.07             | 65.04     | 65.38  | -107.58               | -3,770.90    | 83.04        | 691.97                 | 565.55                  | 126.41                    | 5.474                     |           |
| 13,800.00                                                                                | 9,978.84              | 14,035.24             | 10,188.61             | 66.24     | 66.58  | -107.56               | -3,870.85    | 79.82        | 691.90                 | 563.15                  | 128.75                    | 5.374                     |           |
| 13,900.00                                                                                | 9,978.61              | 14,135.24             | 10,188.14             | 67.45     | 67.79  | -107.54               | -3,970.79    | 76.61        | 691.84                 | 560.73                  | 131.11                    | 5.277                     |           |
| 14,000.00                                                                                | 9,978.37              | 14,235.24             | 10,187.67             | 68.68     | 69.01  | -107.52               | -4,070.74    | 73.39        | 691.77                 | 558.29                  | 133.48                    | 5.183                     |           |
| 14,100.00                                                                                | 9,978.14              | 14,335.24             | 10,187.20             | 69.90     | 70.24  | -107.51               | -4,170.69    | 70.17        | 691.71                 | 555.84                  | 135.87                    | 5.091                     |           |
| 14,200.00                                                                                | 9,977.90              | 14,435.24             | 10,186.73             | 71.14     | 71.47  | -107.49               | -4,270.63    | 66.96        | 691.64                 | 553.37                  | 138.27                    | 5.002                     |           |
| 14,300.00                                                                                | 9,977.67              | 14,535.24             | 10,186.26             | 72.39     | 72.71  | -107.47               | -4,370.58    | 63.74        | 691.58                 | 550.89                  | 140.69                    | 4.916                     |           |
| 14,400.00                                                                                | 9,977.43              | 14,635.24             | 10,185.79             | 73.64     | 73.96  | -107.45               | -4,470.53    | 60.52        | 691.51                 | 548.39                  | 143.12                    | 4.832                     |           |
| 14,500.00                                                                                | 9,977.20              | 14,735.24             | 10,185.32             | 74.90     | 75.21  | -107.43               | -4,570.48    | 57.31        | 691.45                 | 545.89                  | 145.56                    | 4.750                     |           |
| 14,569.00                                                                                | 9,977.03              | 14,803.80             | 10,185.00             | 75.77     | 76.07  | -107.42               | -4,639.00    | 55.10        | 691.41                 | 544.16                  | 147.25                    | 4.695                     |           |
| 14,583.16                                                                                | 9,977.00              | 14,803.80             | 10,185.00             | 75.95     | 76.07  | -107.42               | -4,639.00    | 55.10        | 691.55                 | 544.22                  | 147.33                    | 4.694                     |           |



# Altitude Energy Partners

## Anticollision Report



|                           |                                 |                                     |                                      |
|---------------------------|---------------------------------|-------------------------------------|--------------------------------------|
| <b>Company:</b>           | Mewbourne Oil Company           | <b>Local Co-ordinate Reference:</b> | Well Silver Bullet 16 W1CN State #3H |
| <b>Project:</b>           | Eddy Co., NM (NAD 83)           | <b>TVD Reference:</b>               | KB=28' @ 2947.00usft                 |
| <b>Reference Site:</b>    | Silver Bullet Pad               | <b>MD Reference:</b>                | KB=28' @ 2947.00usft                 |
| <b>Site Error:</b>        | 0.00 usft                       | <b>North Reference:</b>             | Grid                                 |
| <b>Reference Well:</b>    | Silver Bullet 16 W1CN State #3H | <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> | OH                              | <b>Database:</b>                    | EDM 5000.1 Single User Db            |
| <b>Reference Design:</b>  | Plan #2                         | <b>Offset TVD Reference:</b>        | Offset Datum                         |

|                                                                                          |                              |                              |                              |                  |               |                              |                               |                     |                     |                               |                                |                                  |                          |
|------------------------------------------------------------------------------------------|------------------------------|------------------------------|------------------------------|------------------|---------------|------------------------------|-------------------------------|---------------------|---------------------|-------------------------------|--------------------------------|----------------------------------|--------------------------|
| <b>Offset Design:</b> Silver Bullet Pad - Silver Bullet 16 W1DM State #2H - OH - Plan #1 |                              |                              |                              |                  |               |                              |                               |                     |                     |                               |                                | <b>Offset Site Error:</b>        | 0.00 usft                |
| <b>Survey Program:</b> 0-MWD + HDGM                                                      |                              |                              |                              |                  |               |                              |                               |                     |                     |                               |                                | <b>Offset Well Error:</b>        | 0.00 usft                |
| <b>Reference</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>+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>                                                                           |                              |                              |                              |                  |               |                              |                               |                     |                     |                               |                                |                                  |                          |
| 7,100.00                                                                                 | 7,087.75                     | 7,199.88                     | 7,181.19                     | 25.40            | 26.32         | -23.13                       | 121.60                        | -1,277.22           | 987.89              | 937.15                        | 50.74                          | 19.469                           |                          |
| 7,200.00                                                                                 | 7,187.44                     | 7,298.83                     | 7,279.85                     | 25.77            | 26.69         | -23.16                       | 124.13                        | -1,270.07           | 973.50              | 922.04                        | 51.46                          | 18.918                           |                          |
| 7,300.00                                                                                 | 7,287.13                     | 7,397.79                     | 7,378.52                     | 26.14            | 27.06         | -23.20                       | 126.66                        | -1,262.92           | 959.11              | 906.93                        | 52.18                          | 18.382                           |                          |
| 7,400.00                                                                                 | 7,386.83                     | 7,496.75                     | 7,477.19                     | 26.51            | 27.43         | -23.23                       | 129.19                        | -1,255.77           | 944.72              | 891.82                        | 52.89                          | 17.861                           |                          |
| 7,500.00                                                                                 | 7,486.52                     | 7,595.71                     | 7,575.85                     | 26.88            | 27.80         | -23.26                       | 131.72                        | -1,248.62           | 930.32              | 876.71                        | 53.61                          | 17.353                           |                          |
| 7,600.00                                                                                 | 7,586.21                     | 7,694.66                     | 7,674.52                     | 27.25            | 28.17         | -23.30                       | 134.24                        | -1,241.47           | 915.93              | 861.60                        | 54.33                          | 16.859                           |                          |
| 7,700.00                                                                                 | 7,685.91                     | 7,793.62                     | 7,773.18                     | 27.62            | 28.53         | -23.34                       | 136.77                        | -1,234.32           | 901.54              | 846.50                        | 55.05                          | 16.378                           |                          |
| 7,800.00                                                                                 | 7,785.60                     | 7,892.58                     | 7,871.85                     | 27.99            | 28.90         | -23.37                       | 139.30                        | -1,227.17           | 887.15              | 831.39                        | 55.76                          | 15.909                           |                          |
| 7,900.00                                                                                 | 7,885.30                     | 7,991.54                     | 7,970.52                     | 28.36            | 29.27         | -23.41                       | 141.83                        | -1,220.02           | 872.76              | 816.28                        | 56.48                          | 15.452                           |                          |
| 8,000.00                                                                                 | 7,984.99                     | 8,090.49                     | 8,069.18                     | 28.73            | 29.64         | -23.45                       | 144.36                        | -1,212.87           | 858.37              | 801.17                        | 57.20                          | 15.007                           |                          |
| 8,100.00                                                                                 | 8,084.68                     | 8,189.45                     | 8,167.85                     | 29.10            | 30.01         | -23.50                       | 146.89                        | -1,205.72           | 843.98              | 786.06                        | 57.92                          | 14.572                           |                          |
| 8,200.00                                                                                 | 8,184.38                     | 8,288.41                     | 8,266.52                     | 29.47            | 30.38         | -23.54                       | 149.41                        | -1,198.57           | 829.59              | 770.96                        | 58.64                          | 14.148                           |                          |
| 8,300.00                                                                                 | 8,284.07                     | 8,387.36                     | 8,365.18                     | 29.84            | 30.75         | -23.58                       | 151.94                        | -1,191.42           | 815.20              | 755.85                        | 59.35                          | 13.735                           |                          |
| 8,400.00                                                                                 | 8,383.76                     | 8,486.32                     | 8,463.85                     | 30.21            | 31.11         | -23.63                       | 154.47                        | -1,184.27           | 800.82              | 740.74                        | 60.07                          | 13.331                           |                          |
| 8,500.00                                                                                 | 8,483.46                     | 8,585.28                     | 8,562.52                     | 30.58            | 31.48         | -23.68                       | 157.00                        | -1,177.12           | 786.43              | 725.64                        | 60.79                          | 12.937                           |                          |
| 8,600.00                                                                                 | 8,583.15                     | 8,684.24                     | 8,661.18                     | 30.95            | 31.85         | -23.73                       | 159.53                        | -1,169.97           | 772.04              | 710.53                        | 61.51                          | 12.552                           |                          |
| 8,700.00                                                                                 | 8,682.85                     | 8,783.19                     | 8,759.85                     | 31.32            | 32.22         | -23.78                       | 162.06                        | -1,162.82           | 757.66              | 695.43                        | 62.23                          | 12.176                           |                          |
| 8,800.00                                                                                 | 8,782.54                     | 8,882.15                     | 8,858.51                     | 31.69            | 32.59         | -23.83                       | 164.58                        | -1,155.67           | 743.27              | 680.32                        | 62.95                          | 11.808                           |                          |
| 8,900.00                                                                                 | 8,882.23                     | 8,981.11                     | 8,957.18                     | 32.06            | 32.96         | -23.89                       | 167.11                        | -1,148.51           | 728.88              | 665.22                        | 63.67                          | 11.449                           |                          |
| 9,000.00                                                                                 | 8,981.93                     | 9,080.07                     | 9,055.85                     | 32.44            | 33.32         | -23.95                       | 169.64                        | -1,141.36           | 714.50              | 650.12                        | 64.38                          | 11.097                           |                          |
| 9,100.00                                                                                 | 9,081.62                     | 9,179.02                     | 9,154.51                     | 32.81            | 33.69         | -24.01                       | 172.17                        | -1,134.21           | 700.12              | 635.01                        | 65.10                          | 10.754                           |                          |
| 9,133.79                                                                                 | 9,115.31                     | 9,212.46                     | 9,187.85                     | 32.93            | 33.82         | -24.03                       | 173.02                        | -1,131.80           | 695.26              | 629.91                        | 65.35                          | 10.640                           |                          |
| 9,200.00                                                                                 | 9,181.36                     | 9,278.06                     | 9,253.25                     | 33.18            | 34.06         | -24.00                       | 174.70                        | -1,127.06           | 686.25              | 620.43                        | 65.82                          | 10.426                           |                          |
| 9,300.00                                                                                 | 9,281.24                     | 9,377.37                     | 9,352.28                     | 33.54            | 34.43         | -23.88                       | 177.24                        | -1,119.88           | 674.63              | 608.09                        | 66.54                          | 10.139                           |                          |
| 9,400.00                                                                                 | 9,381.21                     | 9,462.81                     | 9,437.53                     | 33.89            | 34.75         | -23.75                       | 179.10                        | -1,114.61           | 666.44              | 599.18                        | 67.26                          | 9.909                            |                          |
| 9,432.83                                                                                 | 9,414.04                     | 9,490.95                     | 9,465.63                     | 34.01            | 34.85         | -23.85                       | 179.58                        | -1,113.26           | 664.73              | 597.25                        | 67.49                          | 9.850                            |                          |
| 9,450.00                                                                                 | 9,431.21                     | 9,500.00                     | 9,474.68                     | 34.07            | 34.88         | -23.80                       | 179.72                        | -1,112.87           | 664.02              | 596.42                        | 67.59                          | 9.824                            |                          |
| 9,500.00                                                                                 | 9,481.06                     | 9,548.41                     | 9,523.05                     | 34.23            | 35.05         | -23.83                       | 180.33                        | -1,111.13           | 662.06              | 594.13                        | 67.93                          | 9.746                            |                          |
| 9,550.00                                                                                 | 9,530.40                     | 9,590.74                     | 9,565.37                     | 34.38            | 35.21         | -23.80                       | 180.71                        | -1,110.07           | 660.56              | 592.32                        | 68.25                          | 9.679                            |                          |
| 9,600.00                                                                                 | 9,578.85                     | 9,632.37                     | 9,606.99                     | 34.53            | 35.35         | -23.75                       | 180.92                        | -1,109.47           | 659.64              | 591.10                        | 68.55                          | 9.623                            |                          |
| 9,632.90                                                                                 | 9,610.07                     | 9,659.24                     | 9,633.86                     | 34.62            | 35.44         | -23.70                       | 180.98                        | -1,109.30           | 659.45              | 590.71                        | 68.74                          | 9.594 CC                         |                          |
| 9,650.00                                                                                 | 9,626.05                     | 9,673.49                     | 9,648.11                     | 34.67            | 35.49         | -23.65                       | 180.97                        | -1,109.29           | 659.50              | 590.67                        | 68.84                          | 9.581                            |                          |
| 9,700.00                                                                                 | 9,671.63                     | 9,721.70                     | 9,696.25                     | 34.80            | 35.64         | -23.57                       | 178.69                        | -1,109.36           | 660.07              | 590.92                        | 69.14                          | 9.546                            |                          |
| 9,750.00                                                                                 | 9,715.26                     | 9,771.54                     | 9,745.64                     | 34.92            | 35.80         | -23.45                       | 172.09                        | -1,109.58           | 661.14              | 591.70                        | 69.44                          | 9.521                            |                          |
| 9,800.00                                                                                 | 9,756.59                     | 9,823.18                     | 9,796.00                     | 35.03            | 35.95         | -23.30                       | 160.75                        | -1,109.94           | 662.72              | 592.99                        | 69.73                          | 9.504                            |                          |
| 9,850.00                                                                                 | 9,795.32                     | 9,876.82                     | 9,847.00                     | 35.13            | 36.09         | -23.15                       | 144.23                        | -1,110.48           | 664.78              | 594.78                        | 70.00                          | 9.497                            |                          |
| 9,900.00                                                                                 | 9,831.14                     | 9,932.64                     | 9,898.20                     | 35.21            | 36.23         | -23.00                       | 122.06                        | -1,111.19           | 667.26              | 597.04                        | 70.22                          | 9.502                            |                          |
| 9,950.00                                                                                 | 9,863.79                     | 9,960.83                     | 9,949.01                     | 35.29            | 36.37         | -22.85                       | 93.75                         | -1,112.11           | 670.11              | 599.71                        | 70.40                          | 9.519                            |                          |
| 10,000.00                                                                                | 9,893.02                     | 10,051.58                    | 9,998.70                     | 35.36            | 36.49         | -22.70                       | 58.88                         | -1,113.23           | 673.22              | 602.71                        | 70.51                          | 9.548                            |                          |
| 10,050.00                                                                                | 9,918.60                     | 10,115.03                    | 10,066.35                    | 35.43            | 36.59         | -22.55                       | 17.06                         | -1,114.58           | 676.49              | 605.94                        | 70.55                          | 9.589                            |                          |
| 10,100.00                                                                                | 9,940.34                     | 10,181.27                    | 10,090.85                    | 35.50            | 36.69         | -22.40                       | -31.94                        | -1,116.17           | 679.80              | 609.27                        | 70.53                          | 9.639                            |                          |
| 10,150.00                                                                                | 9,958.07                     | 10,250.32                    | 10,130.89                    | 35.59            | 36.77         | -22.25                       | -88.12                        | -1,117.98           | 683.00              | 612.53                        | 70.46                          | 9.693                            |                          |
| 10,200.00                                                                                | 9,971.67                     | 10,322.09                    | 10,165.03                    | 35.70            | 36.85         | -22.10                       | -151.16                       | -1,120.02           | 685.94              | 615.55                        | 70.38                          | 9.746                            |                          |
| 10,250.00                                                                                | 9,981.02                     | 10,396.35                    | 10,191.77                    | 35.82            | 36.95         | -21.95                       | -220.35                       | -1,122.25           | 688.47              | 618.14                        | 70.33                          | 9.789                            |                          |
| 10,300.00                                                                                | 9,986.06                     | 10,472.73                    | 10,209.70                    | 35.95            | 37.07         | -21.80                       | -294.50                       | -1,124.65           | 690.46              | 620.10                        | 70.36                          | 9.814                            |                          |
| 10,334.18                                                                                | 9,987.00                     | 10,525.90                    | 10,216.28                    | 36.04            | 37.18         | -21.65                       | -347.21                       | -1,126.35           | 691.44              | 621.00                        | 70.44                          | 9.816                            |                          |
| 10,400.00                                                                                | 9,986.84                     | 10,608.90                    | 10,217.83                    | 36.22            | 37.38         | -21.50                       | -430.12                       | -1,129.03           | 691.77              | 621.00                        | 70.77                          | 9.775                            |                          |
| 10,500.00                                                                                | 9,986.61                     | 10,708.90                    | 10,217.36                    | 36.55            | 37.66         | -21.35                       | -530.07                       | -1,132.26           | 691.71              | 620.37                        | 71.34                          | 9.696                            |                          |
| 10,600.00                                                                                | 9,986.37                     | 10,808.90                    | 10,216.89                    | 36.92            | 37.99         | -21.20                       | -630.01                       | -1,135.49           | 691.64              | 619.63                        | 72.01                          | 9.605                            |                          |
| 10,700.00                                                                                | 9,986.14                     | 10,908.90                    | 10,216.41                    | 37.34            | 38.37         | -21.05                       | -729.96                       | -1,138.72           | 691.58              | 618.79                        | 72.78                          | 9.502                            |                          |
| 10,800.00                                                                                | 9,985.90                     | 11,008.90                    | 10,215.94                    | 37.81            | 38.80         | -20.90                       | -829.91                       | -1,141.94           | 691.51              | 617.86                        | 73.65                          | 9.389                            |                          |
| 10,900.00                                                                                | 9,985.67                     | 11,108.89                    | 10,215.47                    | 38.33            | 39.27         | -20.75                       | -929.85                       | -1,145.17           | 691.45              | 616.83                        | 74.61                          | 9.267                            |                          |

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



# Altitude Energy Partners

## Anticollision Report



|                           |                                 |                                     |                                      |
|---------------------------|---------------------------------|-------------------------------------|--------------------------------------|
| <b>Company:</b>           | Mewbourne Oil Company           | <b>Local Co-ordinate Reference:</b> | Well Silver Bullet 16 W1CN State #3H |
| <b>Project:</b>           | Eddy Co., NM (NAD 83)           | <b>TVD Reference:</b>               | KB=28' @ 2947.00usft                 |
| <b>Reference Site:</b>    | Silver Bullet Pad               | <b>MD Reference:</b>                | KB=28' @ 2947.00usft                 |
| <b>Site Error:</b>        | 0.00 usft                       | <b>North Reference:</b>             | Grid                                 |
| <b>Reference Well:</b>    | Silver Bullet 16 W1CN State #3H | <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> | OH                              | <b>Database:</b>                    | EDM 5000.1 Single User Db            |
| <b>Reference Design:</b>  | Plan #2                         | <b>Offset TVD Reference:</b>        | Offset Datum                         |

| Offset Design: Sliver Bullet Pad - Silver Bullet 16 W1DM State #2H - OH - Plan #1 |                       |                       |                       |                  |               |                        |              |              |                        |                         |                           | Offset Site Error: | 0.00 usft |
|-----------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|------------------|---------------|------------------------|--------------|--------------|------------------------|-------------------------|---------------------------|--------------------|-----------|
| Survey Program:                                                                   |                       | 0-MWD + HDGM          |                       |                  |               | Rule Assigned:         |              |              |                        | Offset Well Error:      | 0.00 usft                 |                    |           |
| Reference                                                                         |                       | Offset                |                       | Semi Major Axis  |               | Offset Wellbore Centre |              | Distance     |                        |                         |                           | Warning            |           |
| Measured Depth (usft)                                                             | Vertical Depth (usft) | Measured Depth (usft) | Vertical Depth (usft) | Reference (usft) | Offset (usft) | Highside Toolface (°)  | +N/-S (usft) | +E/-W (usft) | Between Centres (usft) | Between Ellipses (usft) | Minimum Separation (usft) | Separation Factor  |           |
| 11,000.00                                                                         | 9,985.43              | 11,208.89             | 10,215.00             | 38.89            | 39.79         | 107.47                 | -1,029.80    | -1,148.40    | 691.38                 | 615.71                  | 75.67                     | 9.137              |           |
| 11,100.00                                                                         | 9,985.19              | 11,308.89             | 10,214.52             | 39.50            | 40.35         | 107.45                 | -1,129.75    | -1,151.63    | 691.31                 | 614.51                  | 76.80                     | 9.001              |           |
| 11,200.00                                                                         | 9,984.96              | 11,408.89             | 10,214.05             | 40.15            | 40.95         | 107.43                 | -1,229.69    | -1,154.86    | 691.25                 | 613.22                  | 78.02                     | 8.859              |           |
| 11,300.00                                                                         | 9,984.72              | 11,508.89             | 10,213.58             | 40.83            | 41.59         | 107.41                 | -1,329.64    | -1,158.09    | 691.18                 | 611.86                  | 79.32                     | 8.713              |           |
| 11,400.00                                                                         | 9,984.49              | 11,608.89             | 10,213.11             | 41.56            | 42.27         | 107.40                 | -1,429.59    | -1,161.32    | 691.12                 | 610.42                  | 80.70                     | 8.564              |           |
| 11,500.00                                                                         | 9,984.25              | 11,708.89             | 10,212.63             | 42.32            | 42.99         | 107.38                 | -1,529.53    | -1,164.54    | 691.05                 | 608.91                  | 82.14                     | 8.413              |           |
| 11,600.00                                                                         | 9,984.02              | 11,808.89             | 10,212.16             | 43.11            | 43.74         | 107.36                 | -1,629.48    | -1,167.77    | 690.99                 | 607.33                  | 83.66                     | 8.260              |           |
| 11,700.00                                                                         | 9,983.78              | 11,908.89             | 10,211.69             | 43.94            | 44.52         | 107.34                 | -1,729.43    | -1,171.00    | 690.92                 | 605.69                  | 85.24                     | 8.106              |           |
| 11,800.00                                                                         | 9,983.55              | 12,008.89             | 10,211.22             | 44.79            | 45.34         | 107.32                 | -1,829.37    | -1,174.23    | 690.86                 | 603.98                  | 86.87                     | 7.952              |           |
| 11,900.00                                                                         | 9,983.31              | 12,108.89             | 10,210.74             | 45.68            | 46.19         | 107.30                 | -1,929.32    | -1,177.46    | 690.79                 | 602.22                  | 88.57                     | 7.800              |           |
| 12,000.00                                                                         | 9,983.08              | 12,208.89             | 10,210.27             | 46.59            | 47.06         | 107.28                 | -2,029.26    | -1,180.69    | 690.73                 | 600.41                  | 90.32                     | 7.648              |           |
| 12,100.00                                                                         | 9,982.84              | 12,308.89             | 10,209.80             | 47.53            | 47.96         | 107.26                 | -2,129.21    | -1,183.92    | 690.66                 | 598.55                  | 92.12                     | 7.498              |           |
| 12,200.00                                                                         | 9,982.61              | 12,408.89             | 10,209.32             | 48.49            | 48.89         | 107.24                 | -2,229.16    | -1,187.14    | 690.60                 | 596.63                  | 93.97                     | 7.349              |           |
| 12,300.00                                                                         | 9,982.37              | 12,508.89             | 10,208.85             | 49.47            | 49.84         | 107.22                 | -2,329.10    | -1,190.37    | 690.53                 | 594.67                  | 95.86                     | 7.204              |           |
| 12,400.00                                                                         | 9,982.14              | 12,608.89             | 10,208.38             | 50.48            | 50.81         | 107.21                 | -2,429.05    | -1,193.60    | 690.47                 | 592.67                  | 97.80                     | 7.060              |           |
| 12,500.00                                                                         | 9,981.90              | 12,708.89             | 10,207.91             | 51.51            | 51.80         | 107.19                 | -2,529.00    | -1,196.83    | 690.41                 | 590.63                  | 99.77                     | 6.920              |           |
| 12,600.00                                                                         | 9,981.67              | 12,808.89             | 10,207.43             | 52.55            | 52.81         | 107.17                 | -2,628.94    | -1,200.06    | 690.34                 | 588.55                  | 101.79                    | 6.782              |           |
| 12,700.00                                                                         | 9,981.43              | 12,908.89             | 10,206.96             | 53.62            | 53.85         | 107.15                 | -2,728.89    | -1,203.29    | 690.28                 | 586.44                  | 103.84                    | 6.648              |           |
| 12,800.00                                                                         | 9,981.20              | 13,008.89             | 10,206.49             | 54.70            | 54.90         | 107.13                 | -2,828.84    | -1,206.52    | 690.21                 | 584.29                  | 105.92                    | 6.516              |           |
| 12,900.00                                                                         | 9,980.96              | 13,108.89             | 10,206.02             | 55.79            | 55.97         | 107.11                 | -2,928.78    | -1,209.75    | 690.15                 | 582.11                  | 108.04                    | 6.388              |           |
| 13,000.00                                                                         | 9,980.72              | 13,208.89             | 10,205.54             | 56.90            | 57.05         | 107.09                 | -3,028.73    | -1,212.97    | 690.08                 | 579.90                  | 110.19                    | 6.263              |           |
| 13,100.00                                                                         | 9,980.49              | 13,308.89             | 10,205.07             | 58.03            | 58.15         | 107.07                 | -3,128.68    | -1,216.20    | 690.02                 | 577.66                  | 112.36                    | 6.141              |           |
| 13,200.00                                                                         | 9,980.25              | 13,408.89             | 10,204.60             | 59.17            | 59.26         | 107.05                 | -3,228.62    | -1,219.43    | 689.96                 | 575.39                  | 114.56                    | 6.023              |           |
| 13,300.00                                                                         | 9,980.02              | 13,508.89             | 10,204.13             | 60.32            | 60.39         | 107.04                 | -3,328.57    | -1,222.66    | 689.89                 | 573.10                  | 116.79                    | 5.907              |           |
| 13,400.00                                                                         | 9,979.78              | 13,608.89             | 10,203.65             | 61.48            | 61.53         | 107.02                 | -3,428.51    | -1,225.89    | 689.83                 | 570.79                  | 119.04                    | 5.795              |           |
| 13,500.00                                                                         | 9,979.55              | 13,708.89             | 10,203.18             | 62.66            | 62.68         | 107.00                 | -3,528.46    | -1,229.12    | 689.77                 | 568.45                  | 121.31                    | 5.686              |           |
| 13,600.00                                                                         | 9,979.31              | 13,808.89             | 10,202.71             | 63.84            | 63.84         | 106.98                 | -3,628.41    | -1,232.35    | 689.70                 | 566.09                  | 123.61                    | 5.580              |           |
| 13,700.00                                                                         | 9,979.08              | 13,908.89             | 10,202.23             | 65.04            | 65.01         | 106.96                 | -3,728.35    | -1,235.57    | 689.64                 | 563.72                  | 125.92                    | 5.477              |           |
| 13,800.00                                                                         | 9,978.84              | 14,008.89             | 10,201.76             | 66.24            | 66.20         | 106.94                 | -3,828.30    | -1,238.80    | 689.57                 | 561.32                  | 128.26                    | 5.377              |           |
| 13,900.00                                                                         | 9,978.61              | 14,108.89             | 10,201.29             | 67.45            | 67.39         | 106.92                 | -3,928.25    | -1,242.03    | 689.51                 | 558.90                  | 130.61                    | 5.279              |           |
| 14,000.00                                                                         | 9,978.37              | 14,208.89             | 10,200.82             | 68.68            | 68.59         | 106.90                 | -4,028.19    | -1,245.26    | 689.45                 | 556.47                  | 132.98                    | 5.185              |           |
| 14,100.00                                                                         | 9,978.14              | 14,308.89             | 10,200.34             | 69.90            | 69.80         | 106.88                 | -4,128.14    | -1,248.49    | 689.38                 | 554.02                  | 135.36                    | 5.093              |           |
| 14,200.00                                                                         | 9,977.90              | 14,408.89             | 10,199.87             | 71.14            | 71.02         | 106.86                 | -4,228.09    | -1,251.72    | 689.32                 | 551.56                  | 137.76                    | 5.004              |           |
| 14,300.00                                                                         | 9,977.67              | 14,508.89             | 10,199.40             | 72.39            | 72.25         | 106.84                 | -4,328.03    | -1,254.95    | 689.26                 | 549.08                  | 140.18                    | 4.917              |           |
| 14,400.00                                                                         | 9,977.43              | 14,608.88             | 10,198.93             | 73.64            | 73.49         | 106.83                 | -4,427.98    | -1,258.17    | 689.20                 | 546.59                  | 142.61                    | 4.833              |           |
| 14,500.00                                                                         | 9,977.20              | 14,708.88             | 10,198.45             | 74.90            | 74.73         | 106.81                 | -4,527.93    | -1,261.40    | 689.13                 | 544.08                  | 145.05                    | 4.751              |           |
| 14,583.16                                                                         | 9,977.00              | 14,792.04             | 10,198.06             | 75.95            | 75.77         | 106.79                 | -4,611.04    | -1,264.09    | 689.08                 | 541.99                  | 147.09                    | 4.685 ES, SF       |           |

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



## Altitude Energy Partners

## Anticollision Report



|                           |                                 |                                     |                                      |
|---------------------------|---------------------------------|-------------------------------------|--------------------------------------|
| <b>Company:</b>           | Mewbourne Oil Company           | <b>Local Co-ordinate Reference:</b> | Well Silver Bullet 16 W1CN State #3H |
| <b>Project:</b>           | Eddy Co., NM (NAD 83)           | <b>TVD Reference:</b>               | KB=28' @ 2947.00usft                 |
| <b>Reference Site:</b>    | Silver Bullet Pad               | <b>MD Reference:</b>                | KB=28' @ 2947.00usft                 |
| <b>Site Error:</b>        | 0.00 usft                       | <b>North Reference:</b>             | Grid                                 |
| <b>Reference Well:</b>    | Silver Bullet 16 W1CN State #3H | <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> | OH                              | <b>Database:</b>                    | EDM 5000.1 Single User Db            |
| <b>Reference Design:</b>  | Plan #2                         | <b>Offset TVD Reference:</b>        | Offset Datum                         |

Reference Depths are relative to KB=28' @ 2947.00usft

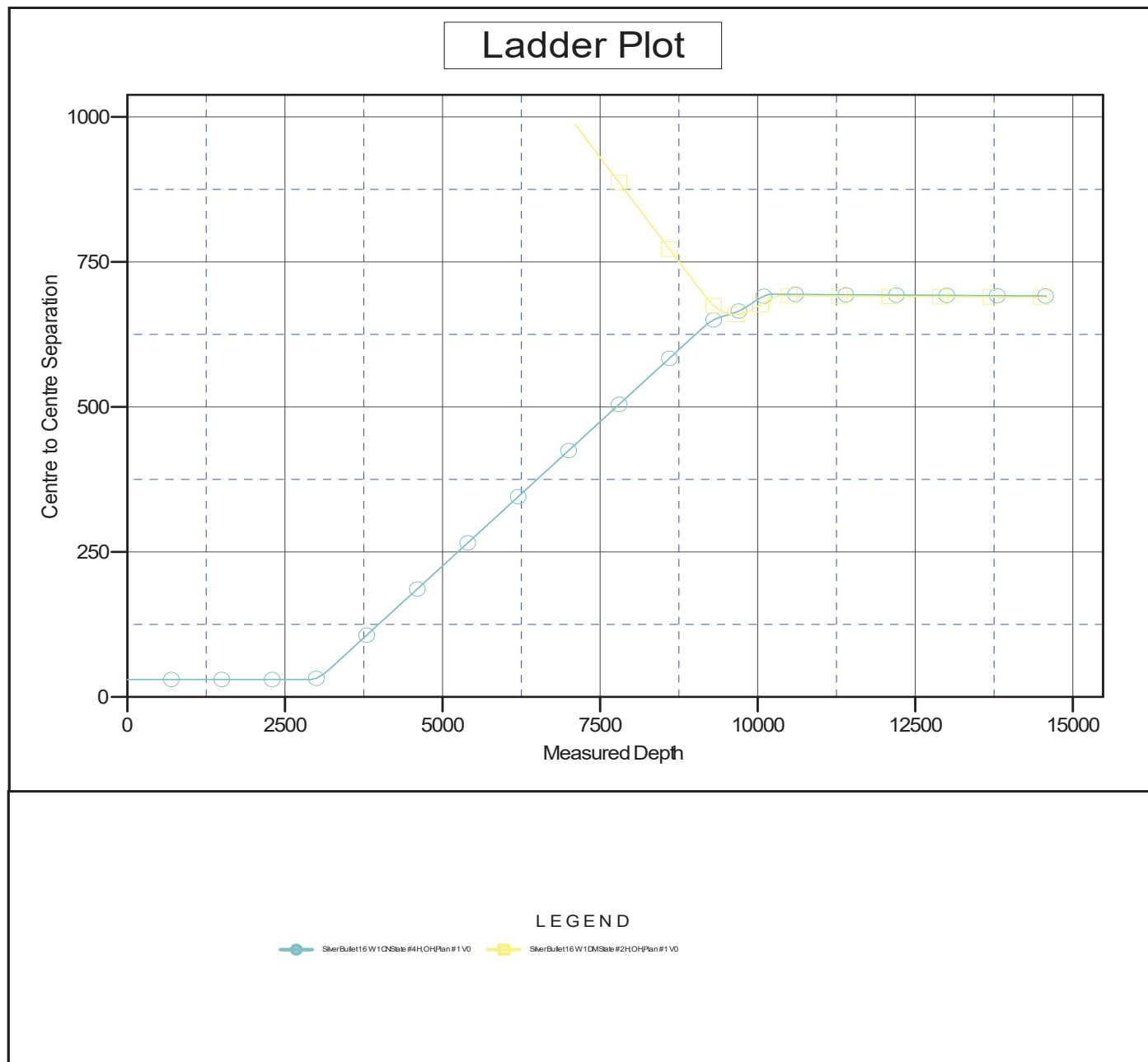
Offset Depths are relative to Offset Datum

Central Meridian is -104.333334

Coordinates are relative to: Silver Bullet 16 W1CN State #3H

Coordinate System is US State Plane 1983, New Mexico Eastern Zone

Grid Convergence at Surface is: 0.18°



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



## Altitude Energy Partners

## Anticollision Report



|                           |                                 |                                     |                                      |
|---------------------------|---------------------------------|-------------------------------------|--------------------------------------|
| <b>Company:</b>           | Mewbourne Oil Company           | <b>Local Co-ordinate Reference:</b> | Well Silver Bullet 16 W1CN State #3H |
| <b>Project:</b>           | Eddy Co., NM (NAD 83)           | <b>TVD Reference:</b>               | KB=28' @ 2947.00usft                 |
| <b>Reference Site:</b>    | Silver Bullet Pad               | <b>MD Reference:</b>                | KB=28' @ 2947.00usft                 |
| <b>Site Error:</b>        | 0.00 usft                       | <b>North Reference:</b>             | Grid                                 |
| <b>Reference Well:</b>    | Silver Bullet 16 W1CN State #3H | <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> | OH                              | <b>Database:</b>                    | EDM 5000.1 Single User Db            |
| <b>Reference Design:</b>  | Plan #2                         | <b>Offset TVD Reference:</b>        | Offset Datum                         |

Reference Depths are relative to KB=28' @ 2947.00usft

Offset Depths are relative to Offset Datum

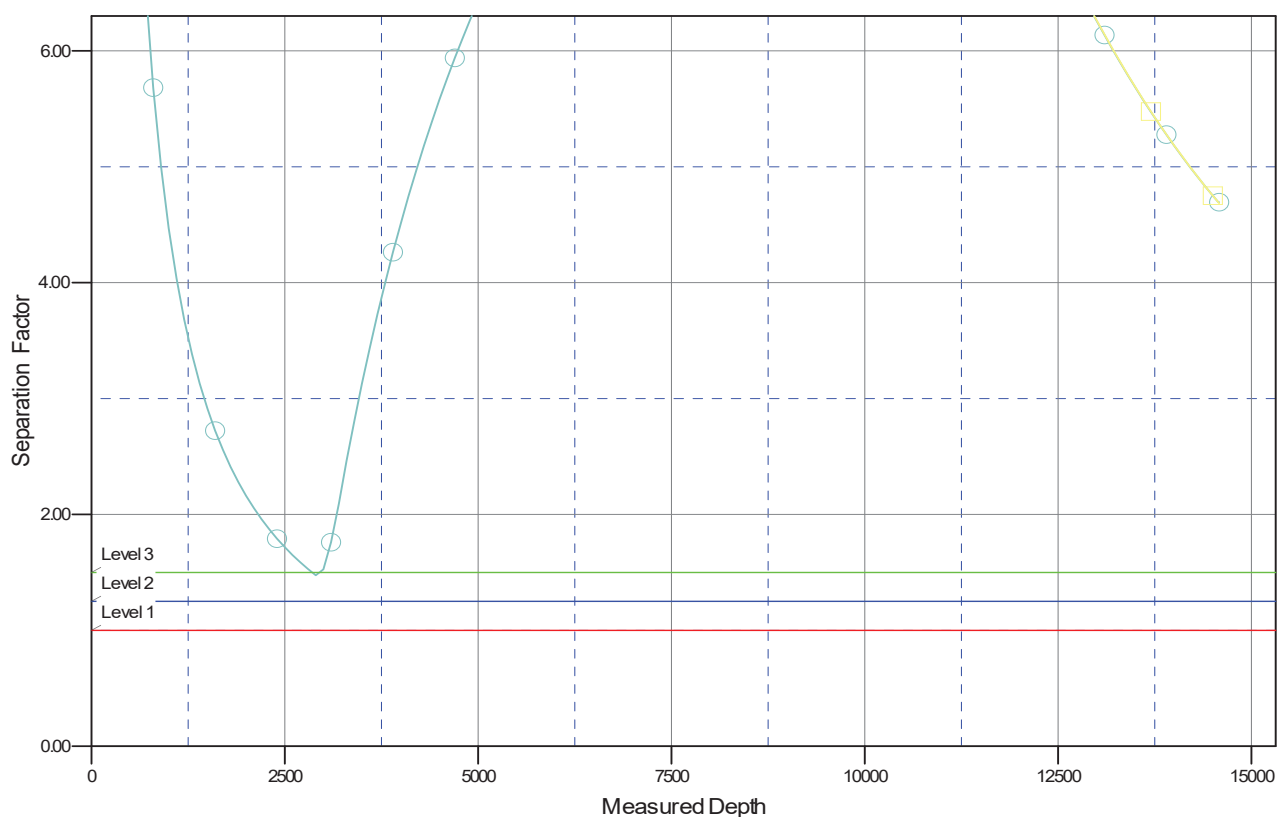
Central Meridian is -104.333334

Coordinates are relative to: Silver Bullet 16 W1CN State #3H

Coordinate System is US State Plane 1983, New Mexico Eastern Zone

Grid Convergence at Surface is: 0.18°

## Separation Factor Plot



## LEGEND

—●— SilverBullet16W1CNState #4H.OHPlan #1 V0      —■— SilverBullet16W1CNState #2H.OHPlan #1 V0