

**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 316610

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

|                                                                                                      |                                      |                               |
|------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------|
| 1. Operator Name and Address<br>Marlin Operating, LLC<br>2460 Greenbough Lane<br>Southlake, TX 76092 |                                      | 2. OGRID Number<br>331054     |
|                                                                                                      |                                      | 3. API Number<br>30-025-50296 |
| 4. Property Code<br>332942                                                                           | 5. Property Name<br>PEGASUS 16 STATE | 6. Well No.<br>351H           |

**7. Surface Location**

|               |               |                 |              |              |                  |               |                  |               |               |
|---------------|---------------|-----------------|--------------|--------------|------------------|---------------|------------------|---------------|---------------|
| UL - Lot<br>M | Section<br>16 | Township<br>23S | Range<br>35E | Lot Idn<br>M | Feet From<br>536 | N/S Line<br>S | Feet From<br>662 | E/W Line<br>W | County<br>Lea |
|---------------|---------------|-----------------|--------------|--------------|------------------|---------------|------------------|---------------|---------------|

**8. Proposed Bottom Hole Location**

|               |               |                 |              |              |                |               |                  |               |               |
|---------------|---------------|-----------------|--------------|--------------|----------------|---------------|------------------|---------------|---------------|
| UL - Lot<br>D | Section<br>16 | Township<br>23S | Range<br>35E | Lot Idn<br>D | Feet From<br>2 | N/S Line<br>N | Feet From<br>335 | E/W Line<br>W | County<br>Lea |
|---------------|---------------|-----------------|--------------|--------------|----------------|---------------|------------------|---------------|---------------|

**9. Pool Information**

|                                     |       |
|-------------------------------------|-------|
| WC-025 G-08 S233528D;LWR BONE SPRIN | 97958 |
|-------------------------------------|-------|

**Additional Well Information**

|                           |                             |                                        |                         |                                    |
|---------------------------|-----------------------------|----------------------------------------|-------------------------|------------------------------------|
| 11. Work Type<br>New Well | 12. Well Type<br>OIL        | 13. Cable/Rotary                       | 14. Lease Type<br>State | 15. Ground Level Elevation<br>3406 |
| 16. Multiple<br>N         | 17. Proposed Depth<br>16521 | 18. Formation<br>3rd Bone Spring Sand  | 19. Contractor          | 20. Spud Date<br>7/1/2022          |
| 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      | 54.5             | 1716          | 2100            | 0             |
| Int1 | 12.25     | 9.625       | 9.625            | 5983          | 1500            | 0             |
| Prod | 8.75      | 5.5         | 20               | 16521         | 2800            | 0             |

**Casing/Cement Program: Additional Comments**

|  |
|--|
|  |
|--|

**22. Proposed Blowout Prevention Program**

| Type       | Working Pressure | Test Pressure | Manufacturer |
|------------|------------------|---------------|--------------|
| Double Ram | 5000             | 3000          | Cameron      |

|                                                                                                                                                                                                                                                                                                                      |                                  |                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------------------------|
| 23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.<br>I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable.<br><br>Signature: | <b>OIL CONSERVATION DIVISION</b> |                                 |
| Printed Name: Electronically filed by Dallas Rysavy                                                                                                                                                                                                                                                                  | Approved By: Paul F Kautz        |                                 |
| Title: CEO                                                                                                                                                                                                                                                                                                           | Title: Geologist                 |                                 |
| Email Address: dallas@marlinoperating.com                                                                                                                                                                                                                                                                            | Approved Date: 7/1/2022          | Expiration Date: 7/1/2024       |
| Date: 5/20/2022                                                                                                                                                                                                                                                                                                      | Phone: 817-675-8328              | Conditions of Approval Attached |

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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<br><b>30-025-50296</b> | <sup>2</sup> Pool Code<br><b>97958</b>                | <sup>3</sup> Pool Name<br><b>WC-025 G-08 S233528D; LWR BONE SPRIN</b> |
| <sup>4</sup> Property Code<br><b>332942</b>    | <sup>5</sup> Property Name<br><b>PEGASUS 16 ST</b>    | <sup>6</sup> Well Number<br><b>351H</b>                               |
| <sup>7</sup> OGRID No.<br><b>331054</b>        | <sup>8</sup> Operator Name<br><b>MARLIN OPERATING</b> | <sup>9</sup> Elevation<br><b>3406'</b>                                |

<sup>10</sup>Surface Location

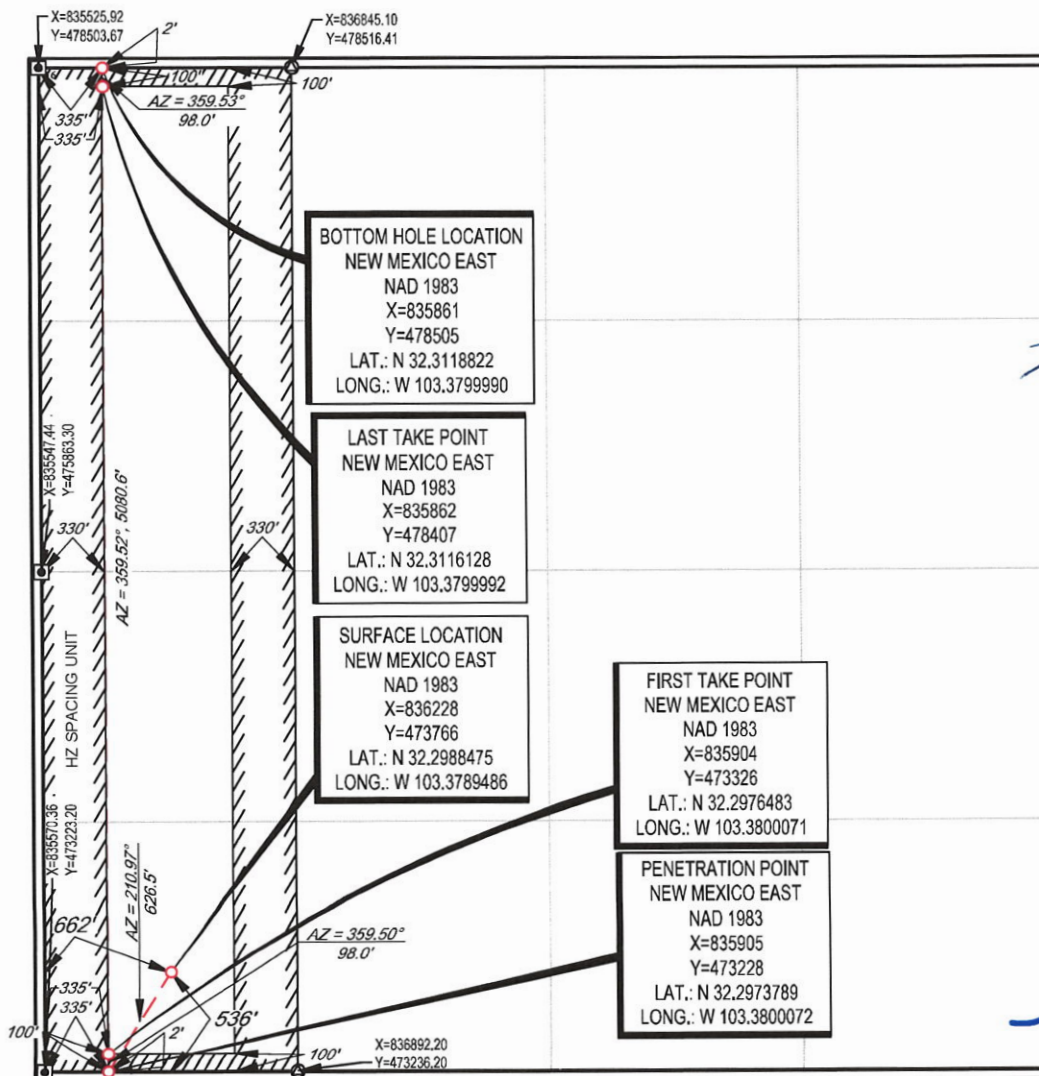
| UL or lot no. | Section   | Township    | Range       | Lot Idn  | Feet from the | North/South line | Feet from the | East/West line | County     |
|---------------|-----------|-------------|-------------|----------|---------------|------------------|---------------|----------------|------------|
| <b>M</b>      | <b>16</b> | <b>23-S</b> | <b>35-E</b> | <b>-</b> | <b>536'</b>   | <b>SOUTH</b>     | <b>662'</b>   | <b>WEST</b>    | <b>LEA</b> |

<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     |
|---------------|-----------|-------------|-------------|----------|---------------|------------------|---------------|----------------|------------|
| <b>D</b>      | <b>16</b> | <b>23-S</b> | <b>35-E</b> | <b>-</b> | <b>2'</b>     | <b>NORTH</b>     | <b>335'</b>   | <b>WEST</b>    | <b>LEA</b> |

|                                             |                               |                                  |                         |
|---------------------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres<br><b>160</b> | <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 interests have been consolidated or a non-standard unit has been approved by the division.

<sup>17</sup>OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

*[Signature]* 6-27-2022  
Signature Date

Dallas Rysavy  
Printed Name

dallas@marlinoperating.com  
E-mail Address

<sup>18</sup>SURVEYOR CERTIFICATION

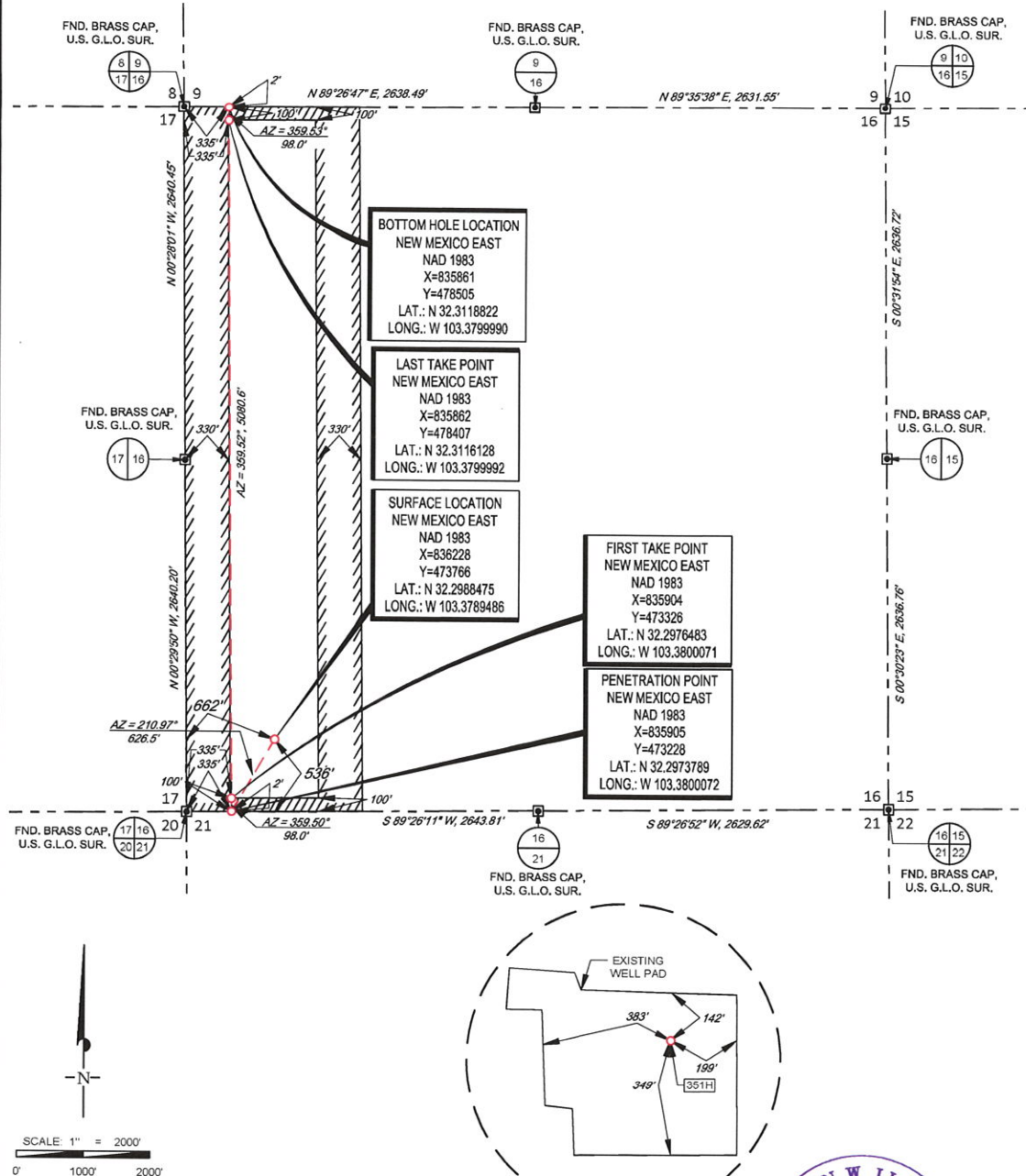
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.

06/27/2022  
Date of Survey  
Signature and Seal of Professional Surveyor

19642  
PROFESSIONAL SURVEYOR  
*[Signature]*  
Certificate Number

MARLIN  
EXHIBIT 2A

SECTION 16, TOWNSHIP 23-S, RANGE 35-E, N.M.P.M.  
LEA COUNTY, NEW MEXICO



LEASE NAME & WELL NO.: PEGASUS 16 ST 351H

SECTION 16 TWP 23-S RGE 35-E SURVEY N.M.P.M.  
COUNTY LEA STATE NM  
DESCRIPTION 536' FSL & 662' FWL

DISTANCE & DIRECTION

FROM INT. OF NM-128 E. & DELAWARE BASIN RD. GO NORTH ON  
DELAWARE BASIN RD. ±14.4 MILES. THENCE SOUTHEAST (RIGHT) ON  
LEASE RD. ±2.3 MILES. TO A POINT ±770 FEET WEST OF THE  
LOCATION.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID  
BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY  
FEET.

THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND  
UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF  
SURVEY, AND DATA PROVIDED BY MARLIN OPERATING. THIS CERTIFICATION IS MADE AND LIMITED TO  
THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS  
SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

DETAIL VIEW  
SCALE 1" = 400'



Stan W. Lloyd, P.S. No. 19642  
June 27, 2022

**TOPOGRAPHIC**  
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 145 • FT. WORTH, TEXAS 76140  
TELEPHONE: (817) 744-7512 • FAX: (817) 744-7554  
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705  
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX: (432) 682-1743  
WWW.TOPOGRAPHIC.COM

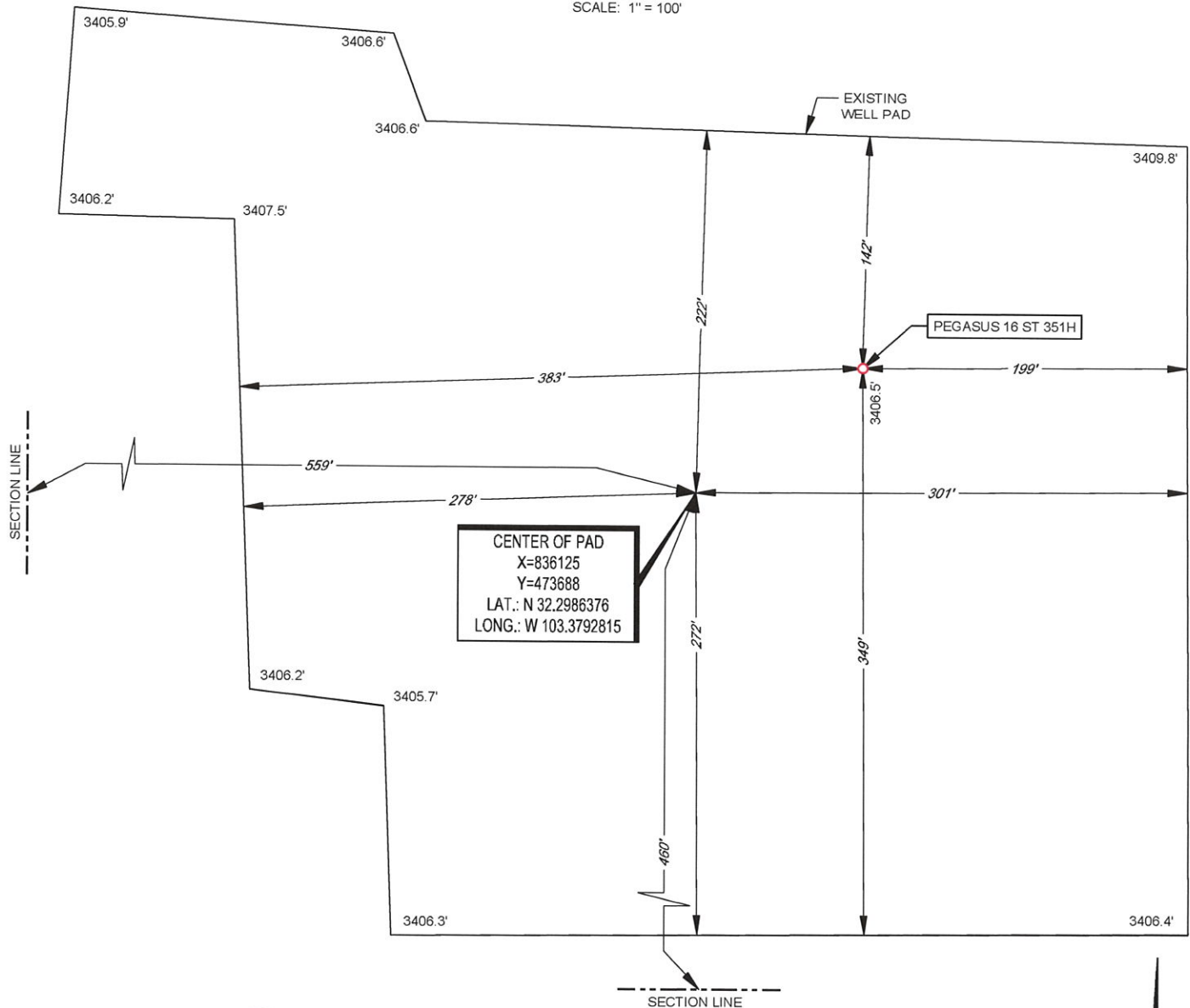
## LEGEND

--- SECTION LINE  
 --- PROPOSED ROAD



SECTION 16, TOWNSHIP 23-S, RANGE 35-E, N.M.P.M.  
 LEA COUNTY, NEW MEXICO

DETAIL VIEW  
 SCALE: 1" = 100'



Stan W. Lloyd, P.S. No. 19642

June 27, 2022

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

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

ORIGINAL DOCUMENT SIZE: 8.5" X 11"

LEASE NAME & WELL NO.: PEGASUS 16 ST 351H  
 351H LATITUDE N 32.2988475 351H LONGITUDE W 103.3789486

CENTER OF PAD IS 460' FSL & 559' FWL

SCALE: 1" = 100'  
 0' 50' 100'

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 WWW.TOPOGRAPHIC.COM

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**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 316610

**PERMIT CONDITIONS OF APPROVAL**

|                                                                                                             |                                 |
|-------------------------------------------------------------------------------------------------------------|---------------------------------|
| Operator Name and Address:<br>Marlin Operating, LLC [331054]<br>2460 Greenbough Lane<br>Southlake, TX 76092 | API Number:<br>30-025-50296     |
|                                                                                                             | Well:<br>PEGASUS 16 STATE #351H |

| OCD<br>Reviewer | Condition                                                                                                                                                                                                                                                            |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| pkautz          | Notify OCD 24 hours prior to casing & cement                                                                                                                                                                                                                         |
| pkautz          | Will require a File As Drilled C-102 and a Directional Survey with the C-104                                                                                                                                                                                         |
| pkautz          | Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string |
| pkautz          | 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                  |
| pkautz          | Cement is required to circulate on both surface and intermediate1 strings of casing                                                                                                                                                                                  |
| pkautz          | The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud                                                                                                                                                                   |

State of New Mexico  
Energy, Minerals and Natural Resources Department

Submit Electronically  
Via E-permitting

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

## NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

### Section 1 – Plan Description

Effective May 25, 2021

**I. Operator:** Marlin Operating, LLC

**OGRID:** 33054

**Date:** 5/3/2022

**II. Type:** ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: \_\_\_\_\_

**III. Well(s):** Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

| Well Name            | API                 | ULSTR            | Footages             | Anticipated Oil BBL/D | Anticipated Gas MCF/D | Anticipated Produced Water BBL/D |
|----------------------|---------------------|------------------|----------------------|-----------------------|-----------------------|----------------------------------|
| PEGASUS 16ST<br>351H | <b>30-025-50296</b> | M-16-23S-<br>35E | 536 FSL & 662<br>FWL | 850                   | 1500                  | 3500                             |

**IV. Central Delivery Point Name:** Lucid Midstream, LLC in N-16-23S-35E [See 19.15.27.9(D)(1) NMAC]

**V. Anticipated Schedule:** Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

| Well Name            | API                 | Spud Date | TD Reached Date | Completion Commencement Date | Initial Flow Back Date | First Production Date |
|----------------------|---------------------|-----------|-----------------|------------------------------|------------------------|-----------------------|
| PEGASUS 16ST<br>351H | <b>30-025-50296</b> | 8-1-22    | 8-25-22         | 10-01-22                     | 10-10-22               | 10-20-22              |

**VI. Separation Equipment:** ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

**VII. Operational Practices:** ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

**VIII. Best Management Practices:** ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

## **Section 2 – Enhanced Plan**

### **EFFECTIVE APRIL 1, 2022**

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☐ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

#### **IX. Anticipated Natural Gas Production:**

| Well | API | Anticipated Average Natural Gas Rate MCF/D | Anticipated Volume of Natural Gas for the First Year MCF |
|------|-----|--------------------------------------------|----------------------------------------------------------|
|      |     |                                            |                                                          |
|      |     |                                            |                                                          |

#### **X. Natural Gas Gathering System (NGGS):**

| Operator | System | ULSTR of Tie-in | Anticipated Gathering Start Date | Available Maximum Daily Capacity of System Segment Tie-in |
|----------|--------|-----------------|----------------------------------|-----------------------------------------------------------|
|          |        |                 |                                  |                                                           |
|          |        |                 |                                  |                                                           |

**XI. Map.** ☐ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

**XII. Line Capacity.** The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

**XIII. Line Pressure.** Operator ☐ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

**XIV. Confidentiality:** ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

### **Section 3 - Certifications**

**Effective May 25, 2021**

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☒ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system.

***If Operator checks this box, Operator will select one of the following:***

**Well Shut-In.** ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

**Venting and Flaring Plan.** ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- (a) power generation on lease;
- (b) power generation for grid;
- (c) compression on lease;
- (d) liquids removal on lease;
- (e) reinjection for underground storage;
- (f) reinjection for temporary storage;
- (g) reinjection for enhanced oil recovery;
- (h) fuel cell production; and
- (i) other alternative beneficial uses approved by the division.

### **Section 4 - Notices**

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature:

Printed Name: Jose Rosales

Title: Chief Operating Officer

E-mail Address: jose@marlinoperating.com

Date: May 3, 2022

Phone: 432-209-1090

**OIL CONSERVATION DIVISION**  
**(Only applicable when submitted as a standalone form)**

Approved By:

Title:

Approval Date:

Conditions of Approval:

## Marlin Operating LLC Natural Gas Management Plan

### VI. Separation Equipment

Separation equipment will be built on the Pegasus 23-35-16 #251H pad. The anticipated production rates from the Pegasus State 16 351H will be accounted for during design/construction to ensure sufficient capacity exists at the surface to capture all produced fluids.

### VII. Operational Practices

Marlin Operating LLC will take the following actions outlined below to comply with 19.15.27.8 NMAC

A. Marlin Operating LLC plans to maximize recovery of natural gas and minimize waste thru venting/flaring

B. Marlin Operating LLC plans to flare during drilling operations from a location exceeding 100' away from the SHL. The flare will be used to combust natural gas brought to the surface during normal drilling operations. Safety will remain priority #1, and Marlin Operating LLC will account and report appropriately pertaining to any potential emergency.

C. Marlin Operating LLC plans flare any natural gas brought to the surface during normal completions operations. During flowback, fluids will immediately flow thru a separator on location. Gas will not be flared/vented unless there's a safety concern with pressures at the surface. Gas is expected to meet pipeline standards; if not, Marlin Operating LLC will flare for the allowed 60 days or less until the gas meets quality specifications. Marlin Operating LLC plans to sample the produced gas at a reasonable frequency or upon request from regulatory bodies.

D. Marlin Operating LLC does not plan to flare or vent natural gas except during the situations outlined in 19.15.27.8 D. (1-4).

E. Marlin Operating LLC will comply with standards outlined in 19.15.27.8 E. (1-8). Marlin Operating LLC will conduct AVO inspections as described in 19.15.27.8 E (5) (a) with frequencies specified in 19.15.27.8 E (5) (b) and (c). All emergencies will be resolved as quickly and safely as feasible to minimize waste.

F. The volume of natural gas that is vented or flared as the result of malfunction or emergency during drilling and completions operations will be estimated. The volume of natural gas that is vented, flared, or beneficially used during production operations, will be measured, or estimated. If metering is not practicable due to circumstances such as low flow rate or low pressure venting and flaring, Marlin Operating LLC will estimate the volume of vented or flared natural gas. Measuring equipment will conform to industry standards and will not be designed or equipped with a manifold that allows the diversion of natural gas around the metering element except for the sole purpose of inspecting and servicing the measurement equipment.

### VIII. Best Management Practices

Pressure maintenance at surface is vital to maintain safe working conditions; venting will be utilized only to depressurize our surface equipment. When maintaining surface or downhole equipment associated with the current production, the well will be shut-in to eliminate venting. If maintenance work takes place on the gas gathering side, gas will route to the flare to eliminate venting.

## Vault 16 ST 351H

### Drill Plan

Well Name: Vault 16 ST 351H

SL: 536' FSL & 662' FWL Section 16, TN 23, RGE 35, State Lands Survey, Lea Co, New Mexico

BHL: 2' FNL & 335' FWL Section 16, TN 23, RGE 35, State Lands Survey, Lea Co, New Mexico

#### Casing Program

|              | Hole Size | Casing | Weight | Top | Bottom Depth | Cement | TOC |
|--------------|-----------|--------|--------|-----|--------------|--------|-----|
| Surface      | 17.50     | 13.375 | 54.5   | 0   | 1716'        | 2100   | 0   |
| Intermediate | 12.25     | 9.625  | 40     | 0   | 5983'        | 1500   | 0   |
| Production   | 8.75      | 5.5    | 20     | 0   | 16521'       | 2800   | 0   |

Plan to drill a 17-1/2" hole to 1716' with water. Run 13-3/8" 54.5 J-55 casing and cement to surface. Drill 12-1/4" hole to 5983' with brine water. Run 9-5/8" 40# HCL-80 casing and cement to surface. Drill 8-3/4" vertical/curve/lateral with OBM to **16521**. Run 5-1/2" 20# P-110 and cement to surface.

#### Well Control

Type                      13-5/8" Double Ram 10M  
                                  13-5/8" Single Ram 10M  
                                  13-5/8" Annular Ram 5M

Test                        5,000 psi

Manufacturer:          Cameron

# **Marlin Operating**

**Lea County, NM (NAD83 NME)**

**Vault**

**Vault 16 ST 351H**

**OH**

**Plan: Plan 1**

## **Standard Planning Report**

**09 May, 2022**



## Scientific Drilling

## Planning Report

|                  |                            |                                     |                                 |
|------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Database:</b> | Midland                    | <b>Local Co-ordinate Reference:</b> | Well Vault 16 ST 351H           |
| <b>Company:</b>  | Marlin Operating           | <b>TVD Reference:</b>               | GL 3406' & KB 30' @ 3436.00usft |
| <b>Project:</b>  | Lea County, NM (NAD83 NME) | <b>MD Reference:</b>                | GL 3406' & KB 30' @ 3436.00usft |
| <b>Site:</b>     | Vault                      | <b>North Reference:</b>             | Grid                            |
| <b>Well:</b>     | Vault 16 ST 351H           | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Wellbore:</b> | OH                         |                                     |                                 |
| <b>Design:</b>   | Plan 1                     |                                     |                                 |

|                    |                            |                      |                |
|--------------------|----------------------------|----------------------|----------------|
| <b>Project</b>     | Lea County, NM (NAD83 NME) |                      |                |
| <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                  | Vault, Site Center: Vault 16 ST 351H |              |                 |                   |             |
| Site Position:        |                                      | Northing:    | 473,766.00 usft | Latitude:         | 32.298848   |
| From:                 | Map                                  | Easting:     | 836,228.00 usft | Longitude:        | -103.378948 |
| Position Uncertainty: | 0.00 usft                            | Slot Radius: | 13-3/16 "       | Grid Convergence: | 0.51 °      |

|                      |                  |           |                     |                 |               |               |
|----------------------|------------------|-----------|---------------------|-----------------|---------------|---------------|
| Well                 | Vault 16 ST 351H |           |                     |                 |               |               |
| Well Position        | +N/-S            | 0.00 usft | Northing:           | 473,766.00 usft | Latitude:     | 32.298848     |
|                      | +E/-W            | 0.00 usft | Easting:            | 836,228.00 usft | Longitude:    | -103.378948   |
| Position Uncertainty |                  | 0.00 usft | Wellhead Elevation: |                 | Ground Level: | 3,406.00 usft |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <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> |
|                  | HDGM2022          | 5/5/2022           | 6.42                   | 59.88                | 47,657.90000000            |

|                          |                                |                     |                      |                      |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| <b>Design</b>            | Plan 1                         |                     |                      |                      |
| <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> |
|                          | 5.00                           | 0.00                | 0.00                 | 355.57               |

| <b>Plan Sections</b>  |                 |             |                       |              |              |                         |                        |                       |         |            |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|------------------------|-----------------------|---------|------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target     |
| 0.00                  | 0.00            | 0.00        | 0.00                  | 0.00         | 0.00         | 0.00                    | 0.00                   | 0.00                  | 0.00    |            |
| 6,000.00              | 0.00            | 0.00        | 6,000.00              | 0.00         | 0.00         | 0.00                    | 0.00                   | 0.00                  | 0.00    |            |
| 6,393.58              | 7.87            | 211.36      | 6,392.34              | -23.05       | -14.05       | 2.00                    | 2.00                   | 0.00                  | 211.36  |            |
| 10,531.39             | 7.87            | 211.36      | 10,491.16             | -506.95      | -308.95      | 0.00                    | 0.00                   | 0.00                  | 0.00    |            |
| 10,924.96             | 0.00            | 0.00        | 10,883.50             | -530.00      | -323.00      | 2.00                    | -2.00                  | 0.00                  | 180.00  |            |
| 11,833.96             | 90.90           | 359.52      | 11,456.39             | 51.94        | -327.86      | 10.00                   | 10.00                  | 0.00                  | 359.52  | BHL_V-351H |
| 16,521.77             | 90.90           | 359.52      | 11,382.55             | 4,739.00     | -367.00      | 0.00                    | 0.00                   | 0.00                  | 0.00    | BHL_V-351H |

## Scientific Drilling

## Planning Report

|                  |                            |                                     |                                 |
|------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Database:</b> | Midland                    | <b>Local Co-ordinate Reference:</b> | Well Vault 16 ST 351H           |
| <b>Company:</b>  | Marlin Operating           | <b>TVD Reference:</b>               | GL 3406' & KB 30' @ 3436.00usft |
| <b>Project:</b>  | Lea County, NM (NAD83 NME) | <b>MD Reference:</b>                | GL 3406' & KB 30' @ 3436.00usft |
| <b>Site:</b>     | Vault                      | <b>North Reference:</b>             | Grid                            |
| <b>Well:</b>     | Vault 16 ST 351H           | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Wellbore:</b> | OH                         |                                     |                                 |
| <b>Design:</b>   | Plan 1                     |                                     |                                 |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 0.00                  | 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                  |
| 3,000.00              | 0.00            | 0.00        | 3,000.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 3,100.00              | 0.00            | 0.00        | 3,100.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 3,200.00              | 0.00            | 0.00        | 3,200.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 3,300.00              | 0.00            | 0.00        | 3,300.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 3,400.00              | 0.00            | 0.00        | 3,400.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 3,500.00              | 0.00            | 0.00        | 3,500.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 3,600.00              | 0.00            | 0.00        | 3,600.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 3,700.00              | 0.00            | 0.00        | 3,700.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 3,800.00              | 0.00            | 0.00        | 3,800.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 3,900.00              | 0.00            | 0.00        | 3,900.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 4,000.00              | 0.00            | 0.00        | 4,000.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 4,100.00              | 0.00            | 0.00        | 4,100.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 4,200.00              | 0.00            | 0.00        | 4,200.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 4,300.00              | 0.00            | 0.00        | 4,300.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 4,400.00              | 0.00            | 0.00        | 4,400.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 4,500.00              | 0.00            | 0.00        | 4,500.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 4,600.00              | 0.00            | 0.00        | 4,600.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 4,700.00              | 0.00            | 0.00        | 4,700.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 4,800.00              | 0.00            | 0.00        | 4,800.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 4,900.00              | 0.00            | 0.00        | 4,900.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 5,000.00              | 0.00            | 0.00        | 5,000.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 5,100.00              | 0.00            | 0.00        | 5,100.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 5,200.00              | 0.00            | 0.00        | 5,200.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 5,300.00              | 0.00            | 0.00        | 5,300.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |

## Scientific Drilling

## Planning Report

|                  |                            |                                     |                                 |
|------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Database:</b> | Midland                    | <b>Local Co-ordinate Reference:</b> | Well Vault 16 ST 351H           |
| <b>Company:</b>  | Marlin Operating           | <b>TVD Reference:</b>               | GL 3406' & KB 30' @ 3436.00usft |
| <b>Project:</b>  | Lea County, NM (NAD83 NME) | <b>MD Reference:</b>                | GL 3406' & KB 30' @ 3436.00usft |
| <b>Site:</b>     | Vault                      | <b>North Reference:</b>             | Grid                            |
| <b>Well:</b>     | Vault 16 ST 351H           | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Wellbore:</b> | OH                         |                                     |                                 |
| <b>Design:</b>   | Plan 1                     |                                     |                                 |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 5,400.00              | 0.00            | 0.00        | 5,400.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 5,500.00              | 0.00            | 0.00        | 5,500.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 5,600.00              | 0.00            | 0.00        | 5,600.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 5,700.00              | 0.00            | 0.00        | 5,700.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 5,800.00              | 0.00            | 0.00        | 5,800.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 5,900.00              | 0.00            | 0.00        | 5,900.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 6,000.00              | 0.00            | 0.00        | 6,000.00              | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                   | 0.00                  |
| 6,100.00              | 2.00            | 211.36      | 6,099.98              | -1.49        | -0.91        | -1.42                   | 2.00                    | 2.00                   | 0.00                  |
| 6,200.00              | 4.00            | 211.36      | 6,199.84              | -5.96        | -3.63        | -5.66                   | 2.00                    | 2.00                   | 0.00                  |
| 6,300.00              | 6.00            | 211.36      | 6,299.45              | -13.40       | -8.17        | -12.73                  | 2.00                    | 2.00                   | 0.00                  |
| 6,393.58              | 7.87            | 211.36      | 6,392.34              | -23.05       | -14.05       | -21.90                  | 2.00                    | 2.00                   | 0.00                  |
| 6,400.00              | 7.87            | 211.36      | 6,398.70              | -23.80       | -14.51       | -22.61                  | 0.00                    | 0.00                   | 0.00                  |
| 6,500.00              | 7.87            | 211.36      | 6,497.76              | -35.50       | -21.63       | -33.72                  | 0.00                    | 0.00                   | 0.00                  |
| 6,600.00              | 7.87            | 211.36      | 6,596.82              | -47.19       | -28.76       | -44.83                  | 0.00                    | 0.00                   | 0.00                  |
| 6,700.00              | 7.87            | 211.36      | 6,695.88              | -58.88       | -35.89       | -55.94                  | 0.00                    | 0.00                   | 0.00                  |
| 6,800.00              | 7.87            | 211.36      | 6,794.93              | -70.58       | -43.01       | -67.05                  | 0.00                    | 0.00                   | 0.00                  |
| 6,900.00              | 7.87            | 211.36      | 6,893.99              | -82.27       | -50.14       | -78.16                  | 0.00                    | 0.00                   | 0.00                  |
| 7,000.00              | 7.87            | 211.36      | 6,993.05              | -93.97       | -57.27       | -89.27                  | 0.00                    | 0.00                   | 0.00                  |
| 7,100.00              | 7.87            | 211.36      | 7,092.11              | -105.66      | -64.39       | -100.38                 | 0.00                    | 0.00                   | 0.00                  |
| 7,200.00              | 7.87            | 211.36      | 7,191.16              | -117.36      | -71.52       | -111.49                 | 0.00                    | 0.00                   | 0.00                  |
| 7,300.00              | 7.87            | 211.36      | 7,290.22              | -129.05      | -78.65       | -122.59                 | 0.00                    | 0.00                   | 0.00                  |
| 7,400.00              | 7.87            | 211.36      | 7,389.28              | -140.75      | -85.78       | -133.70                 | 0.00                    | 0.00                   | 0.00                  |
| 7,500.00              | 7.87            | 211.36      | 7,488.34              | -152.44      | -92.90       | -144.81                 | 0.00                    | 0.00                   | 0.00                  |
| 7,600.00              | 7.87            | 211.36      | 7,587.40              | -164.14      | -100.03      | -155.92                 | 0.00                    | 0.00                   | 0.00                  |
| 7,700.00              | 7.87            | 211.36      | 7,686.45              | -175.83      | -107.16      | -167.03                 | 0.00                    | 0.00                   | 0.00                  |
| 7,800.00              | 7.87            | 211.36      | 7,785.51              | -187.53      | -114.28      | -178.14                 | 0.00                    | 0.00                   | 0.00                  |
| 7,900.00              | 7.87            | 211.36      | 7,884.57              | -199.22      | -121.41      | -189.25                 | 0.00                    | 0.00                   | 0.00                  |
| 8,000.00              | 7.87            | 211.36      | 7,983.63              | -210.91      | -128.54      | -200.36                 | 0.00                    | 0.00                   | 0.00                  |
| 8,100.00              | 7.87            | 211.36      | 8,082.68              | -222.61      | -135.67      | -211.47                 | 0.00                    | 0.00                   | 0.00                  |
| 8,200.00              | 7.87            | 211.36      | 8,181.74              | -234.30      | -142.79      | -222.58                 | 0.00                    | 0.00                   | 0.00                  |
| 8,300.00              | 7.87            | 211.36      | 8,280.80              | -246.00      | -149.92      | -233.69                 | 0.00                    | 0.00                   | 0.00                  |
| 8,400.00              | 7.87            | 211.36      | 8,379.86              | -257.69      | -157.05      | -244.80                 | 0.00                    | 0.00                   | 0.00                  |
| 8,500.00              | 7.87            | 211.36      | 8,478.92              | -269.39      | -164.17      | -255.91                 | 0.00                    | 0.00                   | 0.00                  |
| 8,600.00              | 7.87            | 211.36      | 8,577.97              | -281.08      | -171.30      | -267.02                 | 0.00                    | 0.00                   | 0.00                  |
| 8,700.00              | 7.87            | 211.36      | 8,677.03              | -292.78      | -178.43      | -278.13                 | 0.00                    | 0.00                   | 0.00                  |
| 8,800.00              | 7.87            | 211.36      | 8,776.09              | -304.47      | -185.56      | -289.24                 | 0.00                    | 0.00                   | 0.00                  |
| 8,900.00              | 7.87            | 211.36      | 8,875.15              | -316.17      | -192.68      | -300.35                 | 0.00                    | 0.00                   | 0.00                  |
| 9,000.00              | 7.87            | 211.36      | 8,974.20              | -327.86      | -199.81      | -311.45                 | 0.00                    | 0.00                   | 0.00                  |
| 9,100.00              | 7.87            | 211.36      | 9,073.26              | -339.56      | -206.94      | -322.56                 | 0.00                    | 0.00                   | 0.00                  |
| 9,200.00              | 7.87            | 211.36      | 9,172.32              | -351.25      | -214.06      | -333.67                 | 0.00                    | 0.00                   | 0.00                  |
| 9,300.00              | 7.87            | 211.36      | 9,271.38              | -362.94      | -221.19      | -344.78                 | 0.00                    | 0.00                   | 0.00                  |
| 9,400.00              | 7.87            | 211.36      | 9,370.44              | -374.64      | -228.32      | -355.89                 | 0.00                    | 0.00                   | 0.00                  |
| 9,500.00              | 7.87            | 211.36      | 9,469.49              | -386.33      | -235.44      | -367.00                 | 0.00                    | 0.00                   | 0.00                  |
| 9,600.00              | 7.87            | 211.36      | 9,568.55              | -398.03      | -242.57      | -378.11                 | 0.00                    | 0.00                   | 0.00                  |
| 9,700.00              | 7.87            | 211.36      | 9,667.61              | -409.72      | -249.70      | -389.22                 | 0.00                    | 0.00                   | 0.00                  |
| 9,800.00              | 7.87            | 211.36      | 9,766.67              | -421.42      | -256.83      | -400.33                 | 0.00                    | 0.00                   | 0.00                  |
| 9,900.00              | 7.87            | 211.36      | 9,865.72              | -433.11      | -263.95      | -411.44                 | 0.00                    | 0.00                   | 0.00                  |
| 10,000.00             | 7.87            | 211.36      | 9,964.78              | -444.81      | -271.08      | -422.55                 | 0.00                    | 0.00                   | 0.00                  |
| 10,100.00             | 7.87            | 211.36      | 10,063.84             | -456.50      | -278.21      | -433.66                 | 0.00                    | 0.00                   | 0.00                  |
| 10,200.00             | 7.87            | 211.36      | 10,162.90             | -468.20      | -285.33      | -444.77                 | 0.00                    | 0.00                   | 0.00                  |
| 10,300.00             | 7.87            | 211.36      | 10,261.96             | -479.89      | -292.46      | -455.88                 | 0.00                    | 0.00                   | 0.00                  |
| 10,400.00             | 7.87            | 211.36      | 10,361.01             | -491.59      | -299.59      | -466.99                 | 0.00                    | 0.00                   | 0.00                  |
| 10,500.00             | 7.87            | 211.36      | 10,460.07             | -503.28      | -306.72      | -478.10                 | 0.00                    | 0.00                   | 0.00                  |
| 10,531.39             | 7.87            | 211.36      | 10,491.16             | -506.95      | -308.95      | -481.58                 | 0.00                    | 0.00                   | 0.00                  |

## Scientific Drilling

## Planning Report

|                  |                            |                                     |                                 |
|------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Database:</b> | Midland                    | <b>Local Co-ordinate Reference:</b> | Well Vault 16 ST 351H           |
| <b>Company:</b>  | Marlin Operating           | <b>TVD Reference:</b>               | GL 3406' & KB 30' @ 3436.00usft |
| <b>Project:</b>  | Lea County, NM (NAD83 NME) | <b>MD Reference:</b>                | GL 3406' & KB 30' @ 3436.00usft |
| <b>Site:</b>     | Vault                      | <b>North Reference:</b>             | Grid                            |
| <b>Well:</b>     | Vault 16 ST 351H           | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Wellbore:</b> | OH                         |                                     |                                 |
| <b>Design:</b>   | Plan 1                     |                                     |                                 |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |  |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |  |
| 10,600.00             | 6.50            | 211.36      | 10,559.23             | -514.28      | -313.42      | -488.54                 | 2.00                    | -2.00                  | 0.00                  |  |
| 10,700.00             | 4.50            | 211.36      | 10,658.77             | -522.46      | -318.41      | -496.32                 | 2.00                    | -2.00                  | 0.00                  |  |
| 10,800.00             | 2.50            | 211.36      | 10,758.58             | -527.67      | -321.58      | -501.27                 | 2.00                    | -2.00                  | 0.00                  |  |
| 10,900.00             | 0.50            | 211.36      | 10,858.54             | -529.91      | -322.94      | -503.39                 | 2.00                    | -2.00                  | 0.00                  |  |
| 10,924.96             | 0.00            | 0.00        | 10,883.50             | -530.00      | -323.00      | -503.48                 | 2.00                    | -2.00                  | 0.00                  |  |
| 11,000.00             | 7.50            | 359.52      | 10,958.32             | -525.09      | -323.04      | -498.58                 | 10.00                   | 10.00                  | 0.00                  |  |
| 11,100.00             | 17.50           | 359.52      | 11,055.83             | -503.47      | -323.22      | -477.01                 | 10.00                   | 10.00                  | 0.00                  |  |
| 11,200.00             | 27.50           | 359.52      | 11,148.10             | -465.25      | -323.54      | -438.88                 | 10.00                   | 10.00                  | 0.00                  |  |
| 11,300.00             | 37.50           | 359.52      | 11,232.33             | -411.58      | -323.99      | -385.34                 | 10.00                   | 10.00                  | 0.00                  |  |
| 11,400.00             | 47.50           | 359.52      | 11,305.95             | -344.11      | -324.55      | -318.02                 | 10.00                   | 10.00                  | 0.00                  |  |
| 11,500.00             | 57.50           | 359.52      | 11,366.75             | -264.87      | -325.21      | -238.97                 | 10.00                   | 10.00                  | 0.00                  |  |
| 11,600.00             | 67.50           | 359.52      | 11,412.86             | -176.28      | -325.95      | -150.59                 | 10.00                   | 10.00                  | 0.00                  |  |
| 11,700.00             | 77.50           | 359.52      | 11,442.88             | -81.03       | -326.75      | -55.56                  | 10.00                   | 10.00                  | 0.00                  |  |
| 11,800.00             | 87.50           | 359.52      | 11,455.91             | 17.98        | -327.58      | 43.22                   | 10.00                   | 10.00                  | 0.00                  |  |
| 11,833.96             | 90.90           | 359.52      | 11,456.39             | 51.94        | -327.86      | 77.10                   | 10.00                   | 10.00                  | 0.00                  |  |
| 11,900.00             | 90.90           | 359.52      | 11,455.35             | 117.96       | -328.41      | 142.97                  | 0.00                    | 0.00                   | 0.00                  |  |
| 12,000.00             | 90.90           | 359.52      | 11,453.78             | 217.95       | -329.25      | 242.72                  | 0.00                    | 0.00                   | 0.00                  |  |
| 12,100.00             | 90.90           | 359.52      | 11,452.21             | 317.93       | -330.08      | 342.47                  | 0.00                    | 0.00                   | 0.00                  |  |
| 12,200.00             | 90.90           | 359.52      | 11,450.64             | 417.92       | -330.92      | 442.22                  | 0.00                    | 0.00                   | 0.00                  |  |
| 12,300.00             | 90.90           | 359.52      | 11,449.07             | 517.90       | -331.75      | 541.97                  | 0.00                    | 0.00                   | 0.00                  |  |
| 12,400.00             | 90.90           | 359.52      | 11,447.50             | 617.89       | -332.59      | 641.72                  | 0.00                    | 0.00                   | 0.00                  |  |
| 12,500.00             | 90.90           | 359.52      | 11,445.93             | 717.87       | -333.42      | 741.47                  | 0.00                    | 0.00                   | 0.00                  |  |
| 12,600.00             | 90.90           | 359.52      | 11,444.35             | 817.85       | -334.26      | 841.22                  | 0.00                    | 0.00                   | 0.00                  |  |
| 12,700.00             | 90.90           | 359.52      | 11,442.78             | 917.84       | -335.09      | 940.97                  | 0.00                    | 0.00                   | 0.00                  |  |
| 12,800.00             | 90.90           | 359.52      | 11,441.21             | 1,017.82     | -335.93      | 1,040.72                | 0.00                    | 0.00                   | 0.00                  |  |
| 12,900.00             | 90.90           | 359.52      | 11,439.64             | 1,117.81     | -336.76      | 1,140.47                | 0.00                    | 0.00                   | 0.00                  |  |
| 13,000.00             | 90.90           | 359.52      | 11,438.07             | 1,217.79     | -337.60      | 1,240.22                | 0.00                    | 0.00                   | 0.00                  |  |
| 13,100.00             | 90.90           | 359.52      | 11,436.50             | 1,317.78     | -338.43      | 1,339.97                | 0.00                    | 0.00                   | 0.00                  |  |
| 13,200.00             | 90.90           | 359.52      | 11,434.93             | 1,417.76     | -339.27      | 1,439.72                | 0.00                    | 0.00                   | 0.00                  |  |
| 13,300.00             | 90.90           | 359.52      | 11,433.36             | 1,517.74     | -340.10      | 1,539.47                | 0.00                    | 0.00                   | 0.00                  |  |
| 13,400.00             | 90.90           | 359.52      | 11,431.79             | 1,617.73     | -340.94      | 1,639.22                | 0.00                    | 0.00                   | 0.00                  |  |
| 13,500.00             | 90.90           | 359.52      | 11,430.22             | 1,717.71     | -341.77      | 1,738.97                | 0.00                    | 0.00                   | 0.00                  |  |
| 13,600.00             | 90.90           | 359.52      | 11,428.65             | 1,817.70     | -342.60      | 1,838.72                | 0.00                    | 0.00                   | 0.00                  |  |
| 13,700.00             | 90.90           | 359.52      | 11,427.08             | 1,917.68     | -343.44      | 1,938.47                | 0.00                    | 0.00                   | 0.00                  |  |
| 13,800.00             | 90.90           | 359.52      | 11,425.51             | 2,017.66     | -344.27      | 2,038.22                | 0.00                    | 0.00                   | 0.00                  |  |
| 13,900.00             | 90.90           | 359.52      | 11,423.94             | 2,117.65     | -345.11      | 2,137.97                | 0.00                    | 0.00                   | 0.00                  |  |
| 14,000.00             | 90.90           | 359.52      | 11,422.36             | 2,217.63     | -345.94      | 2,237.72                | 0.00                    | 0.00                   | 0.00                  |  |
| 14,100.00             | 90.90           | 359.52      | 11,420.79             | 2,317.62     | -346.78      | 2,337.47                | 0.00                    | 0.00                   | 0.00                  |  |
| 14,200.00             | 90.90           | 359.52      | 11,419.22             | 2,417.60     | -347.61      | 2,437.22                | 0.00                    | 0.00                   | 0.00                  |  |
| 14,300.00             | 90.90           | 359.52      | 11,417.65             | 2,517.59     | -348.45      | 2,536.97                | 0.00                    | 0.00                   | 0.00                  |  |
| 14,400.00             | 90.90           | 359.52      | 11,416.08             | 2,617.57     | -349.28      | 2,636.72                | 0.00                    | 0.00                   | 0.00                  |  |
| 14,500.00             | 90.90           | 359.52      | 11,414.51             | 2,717.55     | -350.12      | 2,736.47                | 0.00                    | 0.00                   | 0.00                  |  |
| 14,600.00             | 90.90           | 359.52      | 11,412.94             | 2,817.54     | -350.95      | 2,836.22                | 0.00                    | 0.00                   | 0.00                  |  |
| 14,700.00             | 90.90           | 359.52      | 11,411.37             | 2,917.52     | -351.79      | 2,935.97                | 0.00                    | 0.00                   | 0.00                  |  |
| 14,800.00             | 90.90           | 359.52      | 11,409.80             | 3,017.51     | -352.62      | 3,035.72                | 0.00                    | 0.00                   | 0.00                  |  |
| 14,900.00             | 90.90           | 359.52      | 11,408.23             | 3,117.49     | -353.46      | 3,135.47                | 0.00                    | 0.00                   | 0.00                  |  |
| 15,000.00             | 90.90           | 359.52      | 11,406.66             | 3,217.47     | -354.29      | 3,235.23                | 0.00                    | 0.00                   | 0.00                  |  |
| 15,100.00             | 90.90           | 359.52      | 11,405.09             | 3,317.46     | -355.13      | 3,334.98                | 0.00                    | 0.00                   | 0.00                  |  |
| 15,200.00             | 90.90           | 359.52      | 11,403.52             | 3,417.44     | -355.96      | 3,434.73                | 0.00                    | 0.00                   | 0.00                  |  |
| 15,300.00             | 90.90           | 359.52      | 11,401.95             | 3,517.43     | -356.80      | 3,534.48                | 0.00                    | 0.00                   | 0.00                  |  |
| 15,400.00             | 90.90           | 359.52      | 11,400.37             | 3,617.41     | -357.63      | 3,634.23                | 0.00                    | 0.00                   | 0.00                  |  |
| 15,500.00             | 90.90           | 359.52      | 11,398.80             | 3,717.40     | -358.47      | 3,733.98                | 0.00                    | 0.00                   | 0.00                  |  |
| 15,600.00             | 90.90           | 359.52      | 11,397.23             | 3,817.38     | -359.30      | 3,833.73                | 0.00                    | 0.00                   | 0.00                  |  |
| 15,700.00             | 90.90           | 359.52      | 11,395.66             | 3,917.36     | -360.14      | 3,933.48                | 0.00                    | 0.00                   | 0.00                  |  |

## Scientific Drilling

## Planning Report

|                  |                            |                                     |                                 |
|------------------|----------------------------|-------------------------------------|---------------------------------|
| <b>Database:</b> | Midland                    | <b>Local Co-ordinate Reference:</b> | Well Vault 16 ST 351H           |
| <b>Company:</b>  | Marlin Operating           | <b>TVD Reference:</b>               | GL 3406' & KB 30' @ 3436.00usft |
| <b>Project:</b>  | Lea County, NM (NAD83 NME) | <b>MD Reference:</b>                | GL 3406' & KB 30' @ 3436.00usft |
| <b>Site:</b>     | Vault                      | <b>North Reference:</b>             | Grid                            |
| <b>Well:</b>     | Vault 16 ST 351H           | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Wellbore:</b> | OH                         |                                     |                                 |
| <b>Design:</b>   | Plan 1                     |                                     |                                 |

| Planned Survey        |                 |             |                       |              |              |                         |                         |                        |                       |  |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |  |
| 15,800.00             | 90.90           | 359.52      | 11,394.09             | 4,017.35     | -360.97      | 4,033.23                | 0.00                    | 0.00                   | 0.00                  |  |
| 15,900.00             | 90.90           | 359.52      | 11,392.52             | 4,117.33     | -361.81      | 4,132.98                | 0.00                    | 0.00                   | 0.00                  |  |
| 16,000.00             | 90.90           | 359.52      | 11,390.95             | 4,217.32     | -362.64      | 4,232.73                | 0.00                    | 0.00                   | 0.00                  |  |
| 16,100.00             | 90.90           | 359.52      | 11,389.38             | 4,317.30     | -363.48      | 4,332.48                | 0.00                    | 0.00                   | 0.00                  |  |
| 16,200.00             | 90.90           | 359.52      | 11,387.81             | 4,417.28     | -364.31      | 4,432.23                | 0.00                    | 0.00                   | 0.00                  |  |
| 16,300.00             | 90.90           | 359.52      | 11,386.24             | 4,517.27     | -365.15      | 4,531.98                | 0.00                    | 0.00                   | 0.00                  |  |
| 16,400.00             | 90.90           | 359.52      | 11,384.67             | 4,617.25     | -365.98      | 4,631.73                | 0.00                    | 0.00                   | 0.00                  |  |
| 16,500.00             | 90.90           | 359.52      | 11,383.10             | 4,717.24     | -366.82      | 4,731.48                | 0.00                    | 0.00                   | 0.00                  |  |
| 16,521.77             | 90.90           | 359.52      | 11,382.55             | 4,739.00     | -367.00      | 4,753.19                | 0.00                    | 0.00                   | 0.00                  |  |

| Design Targets                                                                                                           |               |              |            |              |              |                 |                |           |             |
|--------------------------------------------------------------------------------------------------------------------------|---------------|--------------|------------|--------------|--------------|-----------------|----------------|-----------|-------------|
| Target Name<br>- hit/miss target<br>- Shape                                                                              | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude  | Longitude   |
| FTP_Plat_V-351H<br>- plan misses target center by 546.42usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)<br>- Point        | 0.00          | 0.00         | 0.00       | -440.00      | -324.00      | 473,326.00      | 835,904.00     | 32.297647 | -103.380009 |
| SL_V-351H<br>- plan hits target center<br>- Point                                                                        | 0.00          | 0.00         | 0.00       | 0.00         | 0.00         | 473,766.00      | 836,228.00     | 32.298848 | -103.378948 |
| PP_Plat_V-351H<br>- plan misses target center by 627.51usft at 0.00usft MD (0.00 TVD, 0.00 N, 0.00 E)<br>- Point         | 0.00          | 0.00         | 0.00       | -538.00      | -323.00      | 473,228.00      | 835,905.00     | 32.297378 | -103.380008 |
| BHL_V-351H<br>- plan hits target center<br>- Point                                                                       | 0.00          | 0.00         | 11,382.55  | 4,739.00     | -367.00      | 478,505.00      | 835,861.00     | 32.311882 | -103.379999 |
| LTP_V-351H<br>- plan misses target center by 0.27usft at 16423.75usft MD (11384.29 TVD, 4641.00 N, -366.18 E)<br>- Point | 0.00          | 0.00         | 11,384.09  | 4,641.00     | -366.00      | 478,407.00      | 835,862.00     | 32.311613 | -103.379999 |

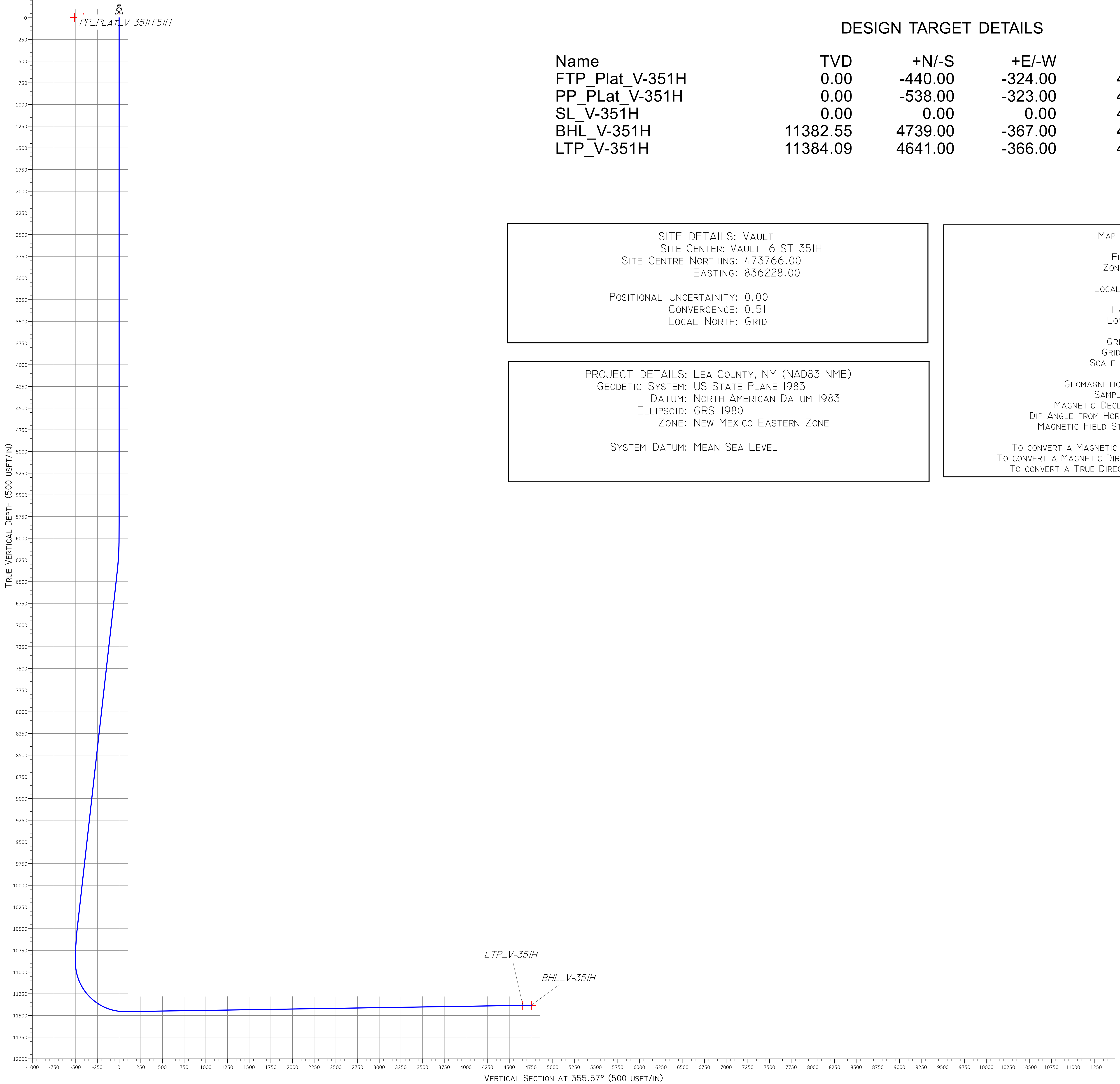


LEA COUNTY, NM (NAD83 NME)  
VAULT  
VAULT I6 ST 35IH

PLAN I

GL ELEV.: 3406.00

DEPTH REF.:GL 3406' & KB 30' @ 3436.00USFT



WELL DETAILS:

|       |       |           |           |           |             |
|-------|-------|-----------|-----------|-----------|-------------|
| +N/-S | +E/-W | NORTHING  | EASTING   | LATITUDE  | LONGITUDE   |
| 0.00  | 0.00  | 473766.00 | 836228.00 | 32.298848 | -103.378948 |

SECTION DETAILS

|          |       |        |          |         |         |       |        |         |            |
|----------|-------|--------|----------|---------|---------|-------|--------|---------|------------|
| MD       | INC   | AZI    | TVD      | +N/-S   | +E/-W   | DLEG  | TFACE  | VSECT   | TARGET     |
| 0.00     | 0.00  | 0.00   | 0.00     | 0.00    | 0.00    | 0.00  | 0.00   | 0.00    |            |
| 6000.00  | 0.00  | 0.00   | 6000.00  | 0.00    | 0.00    | 0.00  | 0.00   | 0.00    |            |
| 6393.58  | 7.87  | 211.36 | 6392.34  | -23.05  | -14.05  | 2.00  | 211.36 | -21.90  |            |
| 10531.39 | 7.87  | 211.36 | 10491.16 | -506.95 | -308.95 | 0.00  | 0.00   | -481.58 |            |
| 10924.96 | 0.00  | 0.00   | 10883.50 | -530.00 | -323.00 | 2.00  | 180.00 | -503.48 |            |
| 11833.96 | 90.90 | 359.52 | 11456.39 | 51.94   | -327.86 | 10.00 | 359.52 | 77.10   | BHL_V-35IH |
| 16521.77 | 90.90 | 359.52 | 11382.55 | 4739.00 | -367.00 | 0.00  | 0.00   | 4753.19 | BHL_V-35IH |

DESIGN TARGET DETAILS

|                 |          |         |         |           |           |
|-----------------|----------|---------|---------|-----------|-----------|
| Name            | TVD      | +N/-S   | +E/-W   | Northing  | Easting   |
| FTP_Plat_V-35IH | 0.00     | -440.00 | -324.00 | 473326.00 | 835904.00 |
| PP_Plat_V-35IH  | 0.00     | -538.00 | -323.00 | 473228.00 | 835905.00 |
| SL_V-35IH       | 0.00     | 0.00    | 0.00    | 473766.00 | 836228.00 |
| BHL_V-35IH      | 11382.55 | 4739.00 | -367.00 | 478505.00 | 835861.00 |
| LTP_V-35IH      | 11384.09 | 4641.00 | -366.00 | 478407.00 | 835862.00 |

SITE DETAILS: VAULT  
SITE CENTER: VAULT I6 ST 35IH  
SITE CENTRE NORTHING: 473766.00  
EASTING: 836228.00

POSITIONAL UNCERTAINTY: 0.00  
CONVERGENCE: 0.51  
LOCAL NORTH: GRID

PROJECT DETAILS: LEA COUNTY, NM (NAD83 NME)  
GEODETIC SYSTEM: US STATE PLANE 1983  
DATUM: NORTH AMERICAN DATUM 1983  
ELLIPSOID: GRS 1980  
ZONE: NEW MEXICO EASTERN ZONE

SYSTEM DATUM: MEAN SEA LEVEL

MAP SYSTEM: US STATE PLANE 1983  
DATUM: NORTH AMERICAN DATUM 1983  
ELLIPSOID: GRS 1980  
ZONE NAME: NEW MEXICO EASTERN ZONE

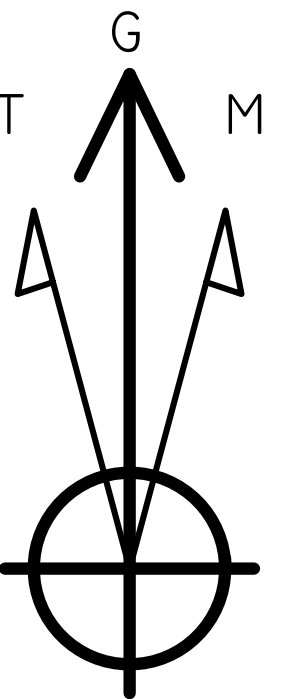
LOCAL ORIGIN: WELL VAULT I6 ST 35IH, GRID NORTH

LATITUDE: 32.298848  
LONGITUDE: -103.378948

GRID EAST: 836228.00  
GRID NORTH: 473766.00  
SCALE FACTOR: 1.000

GEOMAGNETIC MODEL: HDGM2022  
SAMPLE DATE: 05-MAY-22  
MAGNETIC DECLINATION: 6.42°  
DIP ANGLE FROM HORIZONTAL: 59.88°  
MAGNETIC FIELD STRENGTH: 47657.90000000NT

TO CONVERT A MAGNETIC DIRECTION TO A GRID DIRECTION, ADD 5.91°  
TO CONVERT A MAGNETIC DIRECTION TO A TRUE DIRECTION, ADD 6.42° EAST  
TO CONVERT A TRUE DIRECTION TO A GRID DIRECTION, SUBTRACT 0.51°



To convert a Magnetic Direction to a Grid Direction, Add 5.91°  
To convert a True Direction to a Grid Direction, Subtract 0.51°



AZIMUTHS TO GRID NORTH  
TRUE NORTH: -0.51°  
MAGNETIC NORTH: 5.91°  
MAGNETIC FIELD  
STRENGTH: 47657.9NT  
DIP ANGLE: 59.88°  
DATE: 5/5/2022  
MODEL: HDGM2022

