Form C-101 August 1, 2011

Permit 314367

<u>District I</u> 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

Email Address:

Date:

kay_maddox@eogresources.com

Phone: 432-686-3658

4/20/2022

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**

| Phone:(505) 4 | 76-3470 Fax:(505) 476 | 6-3462 | | | | | | | | | | |
|-------------------------|---------------------------------------|-----------------------|----------------|-------------------------------------|--|---------------|--------------|-----------------|----------------|-----------------------|-------------|-------|
| | | APPLICATIO | N FOR PER | MIT TO DRILL, RE-E | NTER, DE | EPEN | , PLUGBACK | (, OR <i>A</i> | ADD A ZON | E | | |
| EO | ime and Address G RESOURCES IN | | | | • | | | | | D Number 7377 | | |
| - |). Box 2267 lland, TX 79702 | | | | | | | | 3. API N | umber 30-025-50076 | 3 | |
| 4. Property Co | | 5. Pro | perty Name | | | | | | 6. Well N | | | |
| 398 | 314 | | OPHELIA | 21 | | | | | | 901H | | |
| | ı | 1 | 1 | | ce Location | | 1 | | | | _ | |
| UL - Lot H | Section 27 | Township 26S | Range 33 | | Feet From 24 | 80 | N/S Line | Feet F | rom 1005 | E/W Line E | County | Lea |
| | | | | 8. Proposed Bo | ttom Hole L | ocation | | | | | | |
| UL - Lot | Section | Township | Range | | Feet From | | N/S Line | Feet I | | E/W Line | County | 1 |
| | 22 | 26S | 33 | | 254 | ¥1 | S | | 998 | E | | Lea |
| SANDERS T | ANK;UPPER WOLF | CAMP | | 9. Pool I | nformation | | | | | 98097 | | |
| OANDLING I | ANN, OF TER WOLF | O/ livii | | | | | | | | 30031 | | |
| 11. Work Type | | 12. Well Type | | Additional V | Vell Informat | | sa Tyna | | 15. Ground Lev | vel Elevation | | |
| | w Well | OIL | | 13. Gable/Rotary | otary 14. Lease Type Private | | | | 3293 | | | |
| 16. Multiple | · · · · · · · · · · · · · · · · · · · | | | | | 19. Con | ntractor | | 20. Spud Date | | | |
| N Depth to Grou | - dk | 19614 | | Wolfcamp Distance from nearest fres | h | | | | | 0/2022 | | |
| Deptil to Gloui | iid water | | | Distance nom nearest nest | water well Distance to nearest surface water | | | | | | | |
| X We will be | using a closed-loo | p system in lieu of l | ined pits | <u>-</u> | | | | | | | | |
| | | | | 21. Proposed Casin | g and Ceme | nt Prog | ıram | | | | | |
| Туре | Hole Size | Casing Size | | Casing Weight/ft | Set | Setting Depth | | Sacks of Cement | | | Estimated 1 | roc . |
| Surf | 12.25 | 9.625 | | 36 | | 940 | | 350 | | 0 | | |
| Int1 | 8.75 | 7.625 | | 29.7 | 13100 | | | | 1960 | | 0 | |
| Prod | 6.75 | 5.5 | | 20 | 19614 620 12 | | | | | 12600 | | |
| | | | | Casing/Cement Progra | m: Addition | nal Com | ments | | | | | |
| | | | | | | | | | | | | |
| 1 | | | | 22. Proposed Blowd | ut Preventi | on Prog | | | - | | | |
| | Type | | | Working Pressure | - | | Test Pressu | re | | Manu | ıfacturer | |
| | Double Ram | | | 5000 | | | 3000 | | | | | |
| 23. I hereby o | | mation given above i | s true and con | nplete to the best of my | | | O | IL CONS | ERVATION DI | VISION | | |
| | tify I have complied | d with 19.15.14.9 (A) | NMAC ⊠ and | d/or 19.15.14.9 (B) NMA | : | | | | | | | |
| Signature: | | | | | | | | | | | | |
| Printed Name: | Electronical | ly filed by Kay Madde | OX . | | Approved I | By: | Paul F Kautz | <u>.</u> | | | | |
| Title: | Regulatory | <u> </u> | | | Title: | ,. | Geologist | | | | | |
| Title. Tegulatory Agent | | | | | 1 | | 4/00/0000 | | _ | | 10001 | |

Approved Date:

4/28/2022

Conditions of Approval Attached

Expiration Date: 4/28/2024

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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

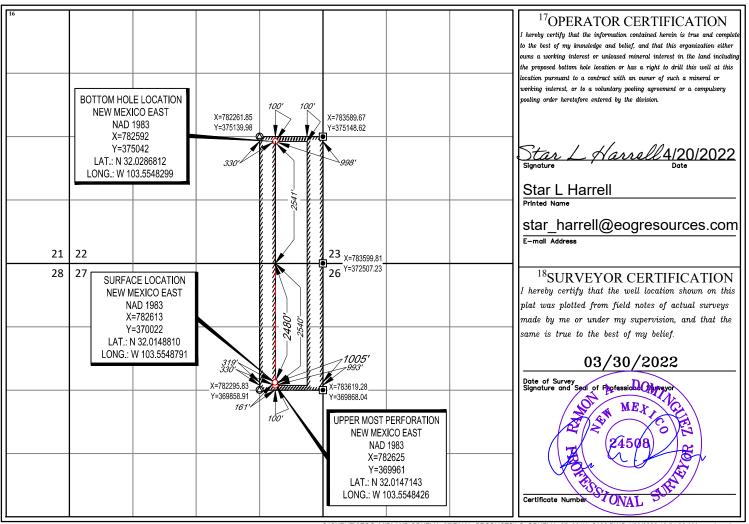
WELL LOCATION AND ACREAGE DEDICATION PLAT

| ¹ API Number | | ² Pool Code | ³ Pool Name | | | | |
|----------------------------|--|------------------------|------------------------------|--------------------------|--|--|--|
| 30-025-50076 | | 98097 | Sanders Tank; Upper Wolfcamp | | | | |
| ⁴ Property Code | | ⁵ Pr | operty Name | ⁶ Well Number | | | |
| 39814 | | ELIA 27 | 901H | | | | |
| ⁷ OGRID N₀. | | ⁹ Elevation | | | | | |
| 7377 | | 3293' | | | | | |

¹⁰Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County | | | | |
|-------------------|--|-------------|----------------|----------------------|---------------|------------------|---------------|----------------|--------|--|--|--|--|
| H | 27 | 26-S | 33-E | _ | 2480' | NORTH | 1005' | EAST | LEA | | | | |
| | ¹¹ 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 | | | | |
| I | 22 | 26-S | 33-E | _ | 2541' | SOUTH | 998' | EAST | LEA | | | | |
| 12Dedicated Acres | ¹³ Joint or l | infill 14Co | nsolidation Co | de ¹⁵ Ord | er No. | | | | | | | | |
| 160 | | | | | | | | | | | | | |

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.



Form APD Conditions

Permit 314367

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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

PERMIT CONDITIONS OF APPROVAL

| Operator Name and Address: | API Number: |
|----------------------------|------------------|
| EOG RESOURCES INC [7377] | 30-025-50076 |
| P.O. Box 2267 | Well: |
| Midland, TX 79702 | OPHELIA 27 #901H |

| OCD 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 |
| | 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 | The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud |
| pkautz | 1) SURFACE & INTERMEDIATE CASING - Cement must circulate to surface 2) PRODUCTION CASING - Cement must tie back into intermediate casing |

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:EOG | Resources, Inc. | OGRID |): 7377 | | Da | te: 4/20/ | 2022 | |
|---|--|-----------------------------|--------------------------|--------------------------|--------------------------|----------------------------|--|---------------------|
| II. Type: ⊠ Origin | al □ Amendme | ent due to \square 19.15. | 27.9.D(6)(a) NN | IAC □ 19.15.27. | 9.D(6)(t |) NMAC | □ Otl | ner. |
| If Other, please describ | e: | | | | | | | |
| III. Well(s): Provide the recompleted from a | | | | | wells pr | oposed to | be dri | lled or proposed to |
| Well Name | l Name API UI | | Footages | Anticipated Oil BBL/D | Anticipated Gas MCF/D | | Anticipated Produced Water BBL/D | |
| Ophelia 27 901H | 30-025-50076 | H-22-26S-33E | 2480' FNL & 1005' FEL | +/- 1000 | +/- 35 | 500 +/- 30 | | 000 |
| V. Anticipated Schedor proposed to be recon | lule: Provide the | e following informa | ation for each ne | w or recompleted | l well or nt. | set of we | lls proj | |
| wen name | AFI | Spud Date | Date Date | Commencement | | Initial Flow ate Back Date | | Date |
| Ophelia 27 901H | 30-025-50076 | 05/15/22 | 05/30/22 | 07/01/22 | | 08/01/22 | , | 09/01/22 |
| VII. Operational Prac Subsection A through I VIII. Best Manageme during active and plant | ctices: ⊠ Attac F of 19.15.27.8 I ent Practices: ☑ | h a complete descr NMAC. | iption of the act | ions Operator wi | ll take to | comply | with th | he requirements of |

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. \square 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 | g system 🗆 will 🗆 w | vill not have capacity | to gather 100% | of the anticipated | natural gas |
|-----------------------|----------------------------|--------------------------|------------------------|----------------|--------------------|-------------|
| production volume fro | om the well prior to the d | late of first production | 1. | | | |

| XIII. Line Pressure. Operator \square does \square 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 we | ell(s). |

| \neg | Attach On | arator's | nlan to | monoga | production | in rocnone | o to the inc | reased line r | roccuro |
|--------|-----------|----------|---------|--------|------------|------------|---------------|---------------|---------|
| | Affach Ob | erator s | nian to | manage | production | in respons | se to the inc | reased line i | ressure |

| XIV. Confidentiality: \square Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provides | ded 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 inform | nation |
| for which confidentiality is asserted and the basis for such assertion. | |

(h)

(i)

Section 3 - Certifications Effective May 25, 2021

| | 111 Con 1 Co |
|---|--|
| Operator certifies that, a | fter reasonable inquiry and based on the available information at the time of submittal: |
| one hundred percent of | to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering |
| hundred percent of the a into account the current | able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one nticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. box, Operator will select one of the following: |
| Well Shut-In. ☐ Operat D of 19.15.27.9 NMAC | or will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection or |
| Venting and Flaring P | lan. □ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential |
| alternative beneficial use | es 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; |

Section 4 - Notices

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

other alternative beneficial uses approved by the division.

fuel cell production; and

- (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: Star L Harrell |
|---|
| Printed Name: Star L Harrell |
| Title: Sr Regulatory Specialist |
| E-mail Address: Star_Harrell@eogresources.com |
| Date: 4/20/2022 |
| Phone: (432) 848-9161 |
| OIL CONSERVATION DIVISION |
| (Only applicable when submitted as a standalone form) |
| Approved By: |
| Title: |
| Approval Date: |
| Conditions of Approval: |
| |
| |
| |
| |

Natural Gas Management Plan Items VI-VIII

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

- Separation equipment will be sized to provide adequate separation for anticipated rates.
- Adequate separation relates to retention time for Liquid Liquid separation and velocity for Gas-Liquid separation.
- Collection systems are appropriately sized to handle facility production rates on all (3) phases.
- Ancillary equipment and metering is selected to be serviced without flow interruptions or the need to release
 gas from the well.

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

Drilling Operations

- All flare stacks will be properly sized. The flare stacks will be located at a minimum 100' from the nearest surface hole location on the pad.
- All natural gas produced during drilling operations will be flared, unless there is an equipment malfunction and/or to avoid risk of an immediate and substantial adverse impact on safety and the environment, at which point the gas will be vented.

Completions/Recompletions Operations

- New wells will not be flowed back until they are connected to a properly sized gathering system.
- The facility will be built/sized for maximum anticipated flowrates and pressures to minimize waste.
- For flowback operations, multiple stages of separation will be used as well as excess VRU and blowers to make sure waste is minimized off the storage tanks and facility.
- During initial flowback, the well stream will be routed to separation equipment.
- At an existing facility, when necessary, post separation natural gas will be flared until it meets pipeline specifications, at which point it will be turned into a collection system.
- At a new facility, post separation natural gas will be vented until storage tanks can safely function, at which point it will be flared until it meets pipeline spec.

Production Operations

- Weekly AVOs will be performed on all facilities.
- All flares will be equipped with auto-ignition systems and continuous pilot operations.
- After a well is stabilized from liquid unloading, the well will be turned back into the collection system.
- All plunger lift systems will be optimized to limit the amount of waste.
- All tanks will have automatic gauging equipment installed.
- Leaking thief hatches found during AVOs will be cleaned and properly re-sealed.

Performance Standards

- Production equipment will be designed to handle maximum anticipated rates and pressure.
- All flared gas will be combusted in a flare stack that is properly sized and designed to ensure proper combustion.
- Weekly AVOs will be performed on all wells and facilities that produce more than 60 Mcfd.

Measurement & Estimation

- All volume that is flared and vented that is not measured will be estimated.
- All measurement equipment for flared volumes will conform to API 14.10.
- No meter bypasses with be installed.

• When metering is not practical due to low pressure/low rate, the vented or flared volume will be estimated.

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

- During downhole well maintenance, EOG will use best management practices to vent as minimally as possible.
- Prior to the commencement of any maintenance, the tank or vessel will be isolated from the rest of the facilities.
- All valves upstream of the equipment will be closed and isolated.
- After equipment has been isolated, the equipment will be blown down to as low a pressure as possible into the collection system.
- If the equipment being maintained cannot be relieved into the collection system, it shall be released to a tank where the vapor can either be captured or combusted if possible.
- After downhole well maintenance, natural gas will be flared until it reaches pipeline specification.



Ophelia 27 #901H Lea County, New Mexico

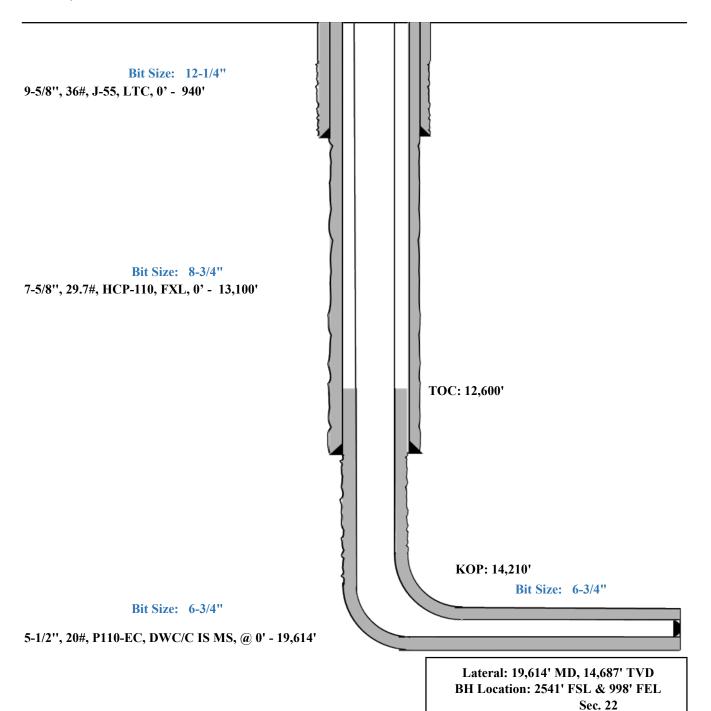
2480' FNL 1005' FEL

Section 27

T-26-S, R-33-E

Proposed Wellbore KB: 3318'
GL: 3293'

API: 30-025-****



T-26-S R-33-E



Ophelia 27 #901H

Permit Informatic

Well Name: Ophelia 27 #901H

Location:

SHL: 2480' FNL & 1005' FEL, Section 27, T-26-S, R-33-E, Lea Co., N.M. BHL: 2541' FSL & 998' FEL, Section 22, T-26-S, R-33-E, Lea Co., N.M.

Casing Program:

| Hole | Interv | al MD | Interva | al TVD | Csg | | | |
|---------|-----------|---------|-----------|---------|--------|--------|---------|-------------|
| Size | From (ft) | To (ft) | From (ft) | To (ft) | OD | Weight | Grade | Conn |
| 12-1/4" | 0 | 940 | 0 | 940 | 9-5/8" | 36# | J-55 | LTC |
| 8-3/4" | 0 | 13,100 | 0 | 13,099 | 7-5/8" | 29.7# | HCP-110 | FXL |
| 6-3/4" | 0 | 19,614 | 0 | 14,687 | 5-1/2" | 20# | P110-EC | DWC/C IS MS |

Cement Program:

| Comen | t i i ogi ami | • | | |
|---------|---------------|------|---------------|--|
| Depth | No. Sacks | Wt. | Yld Ft3/sk | Slurry Description |
| 0.401 | 270 | 13.5 | 1.73 | Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% CaCl2 + 0.25 lb/sk Cello-Flake (TOC @ Surface) |
| 940' | 80 | 14.8 | 1.34 | Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate |
| 12 100 | 610 | 14.2 | 1.11 | 1st Stage (Tail): Class C + 5% Salt (TOC @ 7,895') |
| 13,100' | 1350 | 14.8 | 1.5 | 2nd Stage (Bradenhead squeeze): Class C + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (TOC @ surface) |
| 19,614' | 620 | 14.2 | 1.31 | Class H + 0.1% C-20 + 0.05% CSA-1000 + 0.20% C-49 + 0.40% C- 17 (TOC @ 12,600') |

Mud Program:

| Depth | Type | Weight (ppg) | Viscosity | Water Loss |
|-------------------|-------------|--------------|-----------|------------|
| 0 – 940' | Fresh - Gel | 8.6-8.8 | 28-34 | N/c |
| 940' – 13,100' | Brine | 10.0-10.2 | 28-34 | N/c |
| 13,100' – 14,210' | Oil Base | 8.7-9.4 | 58-68 | N/c - 6 |
| 14,210' – 19,614' | Oil Base | 10.0-14.0 | 58-68 | 4 - 6 |
| Lateral | | | | |



Ophelia 27 #901H

Hydrogen Sulfide Plan Summary

- A. All personnel shall receive proper H2S training in accordance with Onshore Order III.C.3.a.
- B. Briefing Area: two perpendicular areas will be designated by signs and readily accessible.
- C. Required Emergency Equipment:
 - Well control equipment
 - a. Flare line 150' from wellhead to be ignited by flare gun.
 - b. Choke manifold with a remotely operated choke.
 - c. Mud/gas separator
 - Protective equipment for essential personnel.

Breathing apparatus:

- a. Rescue Packs (SCBA) 1 unit shall be placed at each breathing area, 2 shall be stored in the safety trailer.
- b. Work/Escape packs —4 packs shall be stored on the rig floor with sufficient air hose not to restrict work activity.
- c. Emergency Escape Packs —4 packs shall be stored in the doghouse for emergency evacuation.

Auxiliary Rescue Equipment:

- a. Stretcher
- b. Two OSHA full body harness
- c. 100 ft 5/8 inch OSHA approved rope
- d. 1-20# class ABC fire extinguisher
- H2S detection and monitoring equipment:

The stationary detector with three sensors will be placed in the upper dog house if equipped, set to visually alarm @ 10 ppm and audible @ 14 ppm. Calibrate a minimum of every 30 days or as needed. The sensors will be placed in the following places: Rig floor / Bell nipple / End of flow line or where well bore fluid is being discharged.

(Gas sample tubes will be stored in the safety trailer)

- Visual warning systems.
 - a. One color code condition sign will be placed at the entrance to the site reflecting the possible conditions at the site.
 - b. A colored condition flag will be on display, reflecting the current condition at the site at the time.
 - c. Two wind socks will be placed in strategic locations, visible from all angles.



Ophelia 27 #901H

■ Mud program:

The mud program has been designed to minimize the volume of H2S circulated to surface. The operator will have the necessary mud products to minimize hazards while drilling in H2S bearing zones.

■ Metallurgy:

All drill strings, casings, tubing, wellhead, blowout preventer, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H2S service.

■ Communication:

Communication will be via cell phones and land lines where available.



Ophelia 27 #901H Emergency Assistance Telephone List

| PUBLIC SAFETY | · · · · · · · · · · · · · · · · · · · | 1 | 911 or |
|---------------------------|---------------------------------------|--------|------------------------|
| Lea County Sheriff | 's Department | | (575) 396-3611 |
| | Rod Coffman | | |
| Fire Department: | | | |
| | Carlsbad | | (575) 885-3125 |
| | Artesia | | (575) 746-5050 |
| Hospitals: | | | |
| | Carlsbad | | (575) 887-4121 |
| | Artesia | | (575) 748-3333 |
| | Hobbs | | (575) 392-1979 |
| Dept. of Public Safe | ety/Carlsbad | | (575) 748-9718 |
| Highway Departme | nt | | (575) 885-3281 |
| New Mexico Oil Co | onservation | | (575) 476-3440 |
| NMOCD Inspection | ı Group - South | | (575) 626-0830 |
| U.S. Dept. of Labor | • | | (575) 887-1174 |
| EOG Resources, In | nc. | | |
| EOG / Midland | | Office | (432) 686-3600 |
| | | | |
| Company Drilling | Consultants: | | |
| David Dominque | | Cell | (985) 518-5839 |
| Mike Vann | | Cell | (817) 980-5507 |
| | | | |
| Drilling Engineer | | | |
| Esteban Del Valle | | Cell | (432) 269-7063 |
| Daniel Moose | | Cell | (432) 312-2803 |
| Drilling Manager | | | _ |
| Aj Dach | | Office | (432) 686-3751 |
| | | Cell | (817) 480-1167 |
| Drilling Superinte | ndent | | |
| Jason Townsend | | Office | (432) 848-9209 |
| | | Cell | (210) 776-5131 |
| H&P Drilling | | | |
| H&P Drilling | | Office | (432) 563-5757 |
| H&P 651 Drilling F | Rig | Rig | (903) 509-7131 |
| | | | |
| Tool Pusher: | | | (0.1.5) 5.00 (0.5.1.5) |
| Johnathan Craig | | Cell | (817) 760-6374 |
| Brad Garrett | | | |
| | | | |
| Safety: | | ~ 00° | (422) (0(2627 |
| Brian Chandler (HS | E Manager) | Office | (432) 686-3695 |
| | | Cell | (817) 239-0251 |



Midland

Lea County, NM (NAD 83 NME) Ophelia 27 #901H

OH

Plan: Plan #0.1

Standard Planning Report

14 April, 2022



Planning Report

PEDM Database:

Company: Midland

Project: Lea County, NM (NAD 83 NME) Site: Ophelia 27 Well: #901H Wellbore: ОН

TVD Reference: MD Reference: North Reference: **Survey Calculation Method:**

Local Co-ordinate Reference:

Well #901H KB @ 3318.0usft KB @ 3318.0usft Grid

Minimum Curvature

Plan #0.1 Design:

Map System: Geo Datum:

Map Zone:

Project

US State Plane 1983 North American Datum 1983 New Mexico Eastern Zone

Lea County, NM (NAD 83 NME)

System Datum:

Mean Sea Level

Ophelia 27 Site

Northing: 370,022.00 usft Site Position: Latitude: 32° 0' 53.574 N From: Мар Easting: 782,613.00 usft Longitude: 103° 33' 17.568 W

Position Uncertainty: 0.0 usft Slot Radius: 13-3/16 "

Well #901H

+N/-S **Well Position** 0.0 usft Northing: 370,022.00 usft Latitude: 32° 0' 53.574 N +E/-W 0.0 usft Easting: 782,613.00 usft Longitude: 103° 33' 17.568 W

Position Uncertainty 0.0 usft Wellhead Elevation: usft **Ground Level:** 3,293.0 usft

0.41° **Grid Convergence:**

ОН Wellbore

Model Name Declination Field Strength Magnetics Sample Date Dip Angle (°) (°) (nT) IGRF2020 47,286.25116759 4/14/2022 6.42 59.68

Design Plan #0.1 Audit Notes: Version: Phase: PLAN Tie On Depth: 0.0

Vertical Section: Depth From (TVD) +N/-S +E/-W Direction (usft) (usft) (usft) (°) 359.76 0.0 0.0 0.0

Date 4/14/2022 Plan Survey Tool Program

Depth From Depth To

(usft) (usft) Survey (Wellbore) **Tool Name** Remarks

0.0 19,614.0 EOG MWD+IFR1 Plan #0.1 (OH)

MWD + IFR1

4/14/2022 9:28:33AM Page 2 COMPASS 5000.16 Build 100



Planning Report

Database: PEDM Company: Midland

Project: Lea County, NM (NAD 83 NME)

 Site:
 Ophelia 27

 Well:
 #901H

 Wellbore:
 OH

 Design:
 Plan #0.1

Local Co-ordinate Reference: TVD Reference:

MD Reference: North Reference:

Survey Calculation Method:

Well #901H KB @ 3318.0usft KB @ 3318.0usft

Grid

| Plan Sections | | | | | | | | | | |
|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|------------------------------|-----------------------------|------------|---------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,100.0 | 0.00 | 0.00 | 1,100.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,146.0 | 0.92 | 173.83 | 1,146.0 | -0.4 | 0.0 | 2.00 | 2.00 | 0.00 | 173.83 | |
| 8,049.9 | 0.92 | 173.83 | 8,049.0 | -110.6 | 12.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8,095.9 | 0.00 | 0.00 | 8,095.0 | -111.0 | 12.0 | 2.00 | -2.00 | 0.00 | 180.00 | |
| 14,210.4 | 0.00 | 0.00 | 14,209.5 | -111.0 | 12.0 | 0.00 | 0.00 | 0.00 | 0.00 | KOP(Ophelia 27 #901 |
| 14,430.8 | 26.46 | 0.00 | 14,422.2 | -61.0 | 12.0 | 12.00 | 12.00 | 0.00 | 0.00 | FTP(Ophelia 27 #901 |
| 14,960.4 | 90.00 | 359.62 | 14,686.9 | 366.5 | 10.0 | 12.00 | 12.00 | -0.07 | -0.43 | |
| 19,614.0 | 90.00 | 359.62 | 14,687.0 | 5,020.0 | -21.0 | 0.00 | 0.00 | 0.00 | 0.00 | PBHL(Ophelia 27 #90 |

beog resources

Planning Report

Database: Company:

PEDM Midland

Project: Lea County, NM (NAD 83 NME)

 Site:
 Ophelia 27

 Well:
 #901H

 Wellbore:
 OH

 Design:
 Plan #0.1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well #901H KB @ 3318.0usft

KB @ 3318.0usft Grid

| Planned Survey | | | | | | | | | |
|-------------------|-------------|---------|-------------------|--------|--------|---------------------|----------------|---------------|--------------|
| Measured Depth | Inclination | Azimuth | Vertical Depth | +N/-S | +E/-W | Vertical Section | Dogleg Rate | Build Rate | Turn Rate |
| (usft) | (°) | (°) | (usft) | (usft) | (usft) | (usft) | (°/100usft) | (°/100usft) | (°/100usft) |
| 0.0 | | | 0.0 | 0.0 | | 0.0 | 0.00 | 0.00 | 0.00 |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 100.0 | 0.00 | 0.00 | 100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 300.0 | 0.00 | 0.00 | 300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 400.0 | 0.00 | 0.00 | 400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| +00.0 | 0.00 | 0.00 | 400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 500.0 | 0.00 | 0.00 | 500.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 600.0 | 0.00 | 0.00 | 600.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | |
| 700.0 | 0.00 | 0.00 | 700.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 0.008 | 0.00 | 0.00 | 0.008 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 900.0 | 0.00 | 0.00 | 900.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | |
| 1,000.0 | 0.00 | 0.00 | 1,000.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,100.0 | 0.00 | 0.00 | 1,100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1,146.0 | 0.92 | 173.83 | 1,146.0 | -0.4 | 0.0 | -0.4 | 2.00 | 2.00 | 0.00 |
| 1,200.0 | 0.92 | | 1,200.0 | -1.2 | | -1.2 | 0.00 | 0.00 | |
| | | 173.83 | | | 0.1 | | | | 0.00 |
| 1,300.0 | 0.92 | 173.83 | 1,300.0 | -2.8 | 0.3 | -2.8 | 0.00 | 0.00 | 0.00 |
| 1,400.0 | 0.92 | 173.83 | 1,400.0 | -4.4 | 0.5 | -4.4 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | |
| 1,500.0 | 0.92 | 173.83 | 1,500.0 | -6.0 | 0.7 | -6.0 | 0.00 | 0.00 | 0.00 |
| 1,600.0 | 0.92 | 173.83 | 1,599.9 | -7.6 | 8.0 | -7.6 | 0.00 | 0.00 | 0.00 |
| 1,700.0 | 0.92 | 173.83 | 1,699.9 | -9.2 | 1.0 | -9.2 | 0.00 | 0.00 | 0.00 |
| 1,800.0 | 0.92 | 173.83 | 1,799.9 | -10.8 | 1.2 | -10.8 | 0.00 | 0.00 | 0.00 |
| 1,000.0 | 0.02 | 170.00 | 1,700.0 | | 1.2 | -10.0 | 0.00 | 0.00 | 0.00 |
| 1,900.0 | 0.92 | 173.83 | 1,899.9 | -12.4 | 1.3 | -12.4 | 0.00 | 0.00 | 0.00 |
| 2,000.0 | 0.92 | 173.83 | 1,999.9 | -14.0 | 1.5 | -14.0 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | |
| 2,100.0 | 0.92 | 173.83 | 2,099.9 | -15.6 | 1.7 | -15.6 | 0.00 | 0.00 | 0.00 |
| 2,200.0 | 0.92 | 173.83 | 2,199.9 | -17.2 | 1.9 | -17.2 | 0.00 | 0.00 | 0.00 |
| 2,300.0 | 0.92 | 173.83 | 2,299.8 | -18.8 | 2.0 | -18.8 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | |
| 2,400.0 | 0.92 | 173.83 | 2,399.8 | -20.4 | 2.2 | -20.4 | 0.00 | 0.00 | 0.00 |
| 2,500.0 | 0.92 | 173.83 | 2,499.8 | -22.0 | 2.4 | -22.0 | 0.00 | 0.00 | 0.00 |
| 2,600.0 | 0.92 | 173.83 | 2,599.8 | -23.6 | 2.6 | -23.6 | 0.00 | 0.00 | 0.00 |
| 2,700.0 | 0.92 | 173.83 | 2,699.8 | -25.2 | 2.7 | -25.2 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | |
| 2,800.0 | 0.92 | 173.83 | 2,799.8 | -26.8 | 2.9 | -26.8 | 0.00 | 0.00 | 0.00 |
| 2,900.0 | 0.92 | 173.83 | 2,899.8 | -28.4 | 3.1 | -28.4 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | |
| 3,000.0 | 0.92 | 173.83 | 2,999.8 | -30.0 | 3.2 | -30.0 | 0.00 | 0.00 | 0.00 |
| 3,100.0 | 0.92 | 173.83 | 3,099.7 | -31.6 | 3.4 | -31.6 | 0.00 | 0.00 | 0.00 |
| 3,200.0 | 0.92 | 173.83 | 3,199.7 | -33.2 | 3.6 | -33.2 | 0.00 | 0.00 | 0.00 |
| 3,300.0 | 0.92 | 173.83 | 3,299.7 | -34.8 | 3.8 | -34.8 | 0.00 | 0.00 | 0.00 |
| 3,300.0 | 0.32 | 173.03 | 5,233.1 | -54.0 | 5.0 | -54.0 | 0.00 | 0.00 | 0.00 |
| 3,400.0 | 0.92 | 173.83 | 3,399.7 | -36.4 | 3.9 | -36.4 | 0.00 | 0.00 | 0.00 |
| 3,500.0 | 0.92 | 173.83 | 3,499.7 | -38.0 | 4.1 | -38.0 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | |
| 3,600.0 | 0.92 | 173.83 | 3,599.7 | -39.6 | 4.3 | -39.6 | 0.00 | 0.00 | 0.00 |
| 3,700.0 | 0.92 | 173.83 | 3,699.7 | -41.2 | 4.4 | -41.2 | 0.00 | 0.00 | 0.00 |
| 3,800.0 | 0.92 | 173.83 | 3,799.7 | -42.8 | 4.6 | -42.8 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | |
| 3,900.0 | 0.92 | 173.83 | 3,899.6 | -44.4 | 4.8 | -44.4 | 0.00 | 0.00 | 0.00 |
| 4,000.0 | 0.92 | 173.83 | 3,999.6 | -45.9 | 5.0 | -46.0 | 0.00 | 0.00 | 0.00 |
| 4,100.0 | 0.92 | 173.83 | 4,099.6 | -47.5 | 5.1 | -47.6 | 0.00 | 0.00 | 0.00 |
| 4,200.0 | 0.92 | 173.83 | 4,199.6 | -49.1 | 5.3 | -49.2 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | |
| 4,300.0 | 0.92 | 173.83 | 4,299.6 | -50.7 | 5.5 | -50.8 | 0.00 | 0.00 | 0.00 |
| 4,400.0 | 0.92 | 173.83 | 4,399.6 | -52.3 | 5.7 | -52.4 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | |
| 4,500.0 | 0.92 | 173.83 | 4,499.6 | -53.9 | 5.8 | -54.0 | 0.00 | 0.00 | 0.00 |
| 4,600.0 | 0.92 | 173.83 | 4,599.6 | -55.5 | 6.0 | -55.6 | 0.00 | 0.00 | 0.00 |
| 4,700.0 | 0.92 | 173.83 | 4,699.5 | -57.1 | 6.2 | -57.2 | 0.00 | 0.00 | 0.00 |
| 4,800.0 | 0.92 | 173.83 | 4,799.5 | -58.7 | 6.3 | -58.8 | 0.00 | 0.00 | 0.00 |
| 4,000.0 | 0.92 | 173.03 | 4,788.0 | -30.7 | 0.3 | -50.0 | 0.00 | 0.00 | 0.00 |
| 4,900.0 | 0.92 | 173.83 | 4,899.5 | -60.3 | 6.5 | -60.4 | 0.00 | 0.00 | 0.00 |
| 5,000.0 | 0.92 | 173.83 | 4,999.5 | -61.9 | 6.7 | -61.9 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | |
| 5,100.0 | 0.92 | 173.83 | 5,099.5 | -63.5 | 6.9 | -63.5 | 0.00 | 0.00 | 0.00 |
| 5,200.0 | 0.92 | 173.83 | 5,199.5 | -65.1 | 7.0 | -65.1 | 0.00 | 0.00 | 0.00 |

eog resources

Planning Report

Database: Company: PEDM

Company: Midland
Project: Lea County, NM (NAD 83 NME)

 Site:
 Ophelia 27

 Well:
 #901H

 Wellbore:
 OH

 Design:
 Plan #0.1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well #901H KB @ 3318.0usft

KB @ 3318.0usft Grid

| lanned 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) |
| 5,300.0 | 0.92 | 173.83 | 5,299.5 | -66.7 | 7.2 | -66.7 | 0.00 | 0.00 | 0.00 |
| 5,400.0 | 0.92 | 173.83 | 5,399.4 | -68.3 | 7.4 | -68.3 | 0.00 | 0.00 | 0.00 |
| 5,500.0 | | 173.83 | 5,499.4 | -69.9 | 7.6 | -69.9 | 0.00 | 0.00 | 0.00 |
| 5,600.0 | | 173.83 | 5,599.4 | -71.5 | 7.7 | -71.5 | 0.00 | 0.00 | 0.00 |
| 5,700.0 | | 173.83 | 5,699.4 | -73.1 | 7.9 | -73.1 | 0.00 | 0.00 | 0.00 |
| 5,800.0 | 0.92 | 173.83 | 5,799.4 | -74.7 | 8.1 | -74.7 | 0.00 | 0.00 | 0.00 |
| 5,900.0 | | 173.83 | 5,899.4 | -76.3 | 8.2 | -76.3 | 0.00 | 0.00 | 0.00 |
| 6,000.0 | | 173.83 | 5,999.4 | -77.9 | 8.4 | -77.9 | 0.00 | 0.00 | 0.00 |
| 6,100.0 | | 173.83 | 6,099.4 | -79.5 | 8.6 | -79.5 | 0.00 | 0.00 | 0.00 |
| 6,200.0 | | 173.83 | 6,199.3 | -81.1 | 8.8 | -81.1 | 0.00 | 0.00 | 0.00 |
| 6,300.0 | 0.92 | 173.83 | 6,299.3 | -82.7 | 8.9 | -82.7 | 0.00 | 0.00 | 0.00 |
| 6,400.0 | | 173.83 | 6,399.3 | -84.3 | 9.1 | -84.3 | 0.00 | 0.00 | 0.00 |
| 6,500.0 | | 173.83 | 6,499.3 | -85.9 | 9.3 | -85.9 | 0.00 | 0.00 | 0.00 |
| 6,600.0 | | 173.83 | 6,599.3 | -87.5 | 9.5 | -87.5 | 0.00 | 0.00 | 0.00 |
| 6,700.0 | | 173.83 | 6,699.3 | -89.1 | 9.6 | -89.1 | 0.00 | 0.00 | 0.00 |
| 6,800.0 | 0.92 | 173.83 | 6,799.3 | -90.7 | 9.8 | -90.7 | 0.00 | 0.00 | 0.00 |
| 6,900.0 | 0.92 | 173.83 | 6,899.3 | -92.3 | 10.0 | -92.3 | 0.00 | 0.00 | 0.00 |
| 7,000.0 | 0.92 | 173.83 | 6,999.2 | -93.9 | 10.1 | -93.9 | 0.00 | 0.00 | 0.00 |
| 7,100.0 | | 173.83 | 7,099.2 | -95.5 | 10.3 | -95.5 | 0.00 | 0.00 | 0.00 |
| 7,200.0 | | 173.83 | 7,199.2 | -97.1 | 10.5 | -97.1 | 0.00 | 0.00 | 0.00 |
| 7,300.0 | 0.92 | 173.83 | 7,299.2 | -98.7 | 10.7 | -98.7 | 0.00 | 0.00 | 0.00 |
| 7,400.0 | 0.92 | 173.83 | 7,399.2 | -100.3 | 10.8 | -100.3 | 0.00 | 0.00 | 0.00 |
| 7,500.0 | 0.92 | 173.83 | 7,499.2 | -101.9 | 11.0 | -101.9 | 0.00 | 0.00 | 0.00 |
| 7,600.0 | | 173.83 | 7,599.2 | -103.4 | 11.2 | -103.5 | 0.00 | 0.00 | 0.00 |
| 7,700.0 | | 173.83 | 7,699.2 | -105.0 | 11.4 | -105.1 | 0.00 | 0.00 | 0.00 |
| 7,800.0 | 0.92 | 173.83 | 7,799.1 | -106.6 | 11.5 | -106.7 | 0.00 | 0.00 | 0.00 |
| 7,900.0 | | 173.83 | 7,899.1 | -108.2 | 11.7 | -108.3 | 0.00 | 0.00 | 0.00 |
| 8,000.0 | | 173.83 | 7,999.1 | -109.8 | 11.9 | -109.9 | 0.00 | 0.00 | 0.00 |
| 8,049.9 | | 173.83 | 8,049.0 | -110.6 | 12.0 | -110.7 | 0.00 | 0.00 | 0.00 |
| 8,095.9 | | 0.00 | 8,095.0 | -111.0 | 12.0 | -111.0 | 2.00 | -2.00 | 0.00 |
| 8,100.0 | 0.00 | 0.00 | 8,099.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 8,200.0 | | 0.00 | 8,199.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 8,300.0 | | 0.00 | 8,299.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 8,400.0 | | 0.00 | 8,399.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 8,500.0 | | 0.00 | 8,499.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 8,600.0 | | 0.00 | 8,599.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 8,700.0 | | 0.00 | 8,699.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 8,800.0 | | 0.00 | 8,799.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 8,900.0 | | 0.00 | 8,899.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 9,000.0 | | 0.00 | 8,999.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 9,100.0 | 0.00 | 0.00 | 9,099.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 9,200.0 | | 0.00 | 9,199.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 9,300.0 | | 0.00 | 9,299.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 9,400.0 | | 0.00 | 9,399.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 9,500.0 | | 0.00 | 9,499.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 9,600.0 | 0.00 | 0.00 | 9,599.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 9,700.0 | | 0.00 | 9,699.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 9,800.0 | | 0.00 | 9,799.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 9,900.0 | | 0.00 | 9,899.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 10,000.0 | | 0.00 | 9,999.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 10,100.0 | 0.00 | 0.00 | 10,099.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 10,200.0 | | 0.00 | 10,199.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 10,300.0 | | 0.00 | 10,299.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 10,400.0 | 0.00 | 0.00 | 10,399.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |

beog resources

Planning Report

Database: PEDM Company: Midland

Project: Lea County, NM (NAD 83 NME)

 Site:
 Ophelia 27

 Well:
 #901H

 Wellbore:
 OH

 Design:
 Plan #0.1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well #901H KB @ 3318.0usft

KB @ 3318.0usft Grid

| anned 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) |
| 10,500.0 10,600.0 | 0.00 0.00 | 0.00 0.00 | 10,499.1 10,599.1 | -111.0 -111.0 | 12.0 12.0 | -111.0 -111.0 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| 10,700.0 | | 0.00 | 10,699.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 10,800.0 10,900.0 | | 0.00 | 10,799.1 10,899.1 | -111.0 | 12.0 12.0 | -111.0 | 0.00 | 0.00 0.00 | 0.00 |
| 11,000.0 | | 0.00 0.00 | 10,899.1 | -111.0 -111.0 | 12.0 | -111.0 -111.0 | 0.00 0.00 | 0.00 | 0.00 0.00 |
| 11,100.0 | | 0.00 | 11,099.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 11,200.0 | 0.00 | 0.00 | 11,199.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 11,300.0 | | 0.00 | 11,299.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 11,400.0 | | 0.00 | 11,399.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 11,500.0 | | 0.00 | 11,499.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 11,600.0 | 0.00 | 0.00 | 11,599.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 11,700.0 | | 0.00 | 11,699.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 11,800.0 | | 0.00 | 11,799.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 11,900.0 | | 0.00 | 11,899.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 12,000.0 | | 0.00 | 11,999.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 12,100.0 | | 0.00 | 12,099.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 12,200.0 | | 0.00 | 12,199.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 12,300.0 | | 0.00 | 12,299.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 12,400.0 | | 0.00 | 12,399.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 12,500.0 12,600.0 | | 0.00 0.00 | 12,499.1 12,599.1 | -111.0 -111.0 | 12.0 12.0 | -111.0 -111.0 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| | | | | | | | | | |
| 12,700.0 | | 0.00 | 12,699.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 12,800.0 | | 0.00 | 12,799.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 12,900.0 | | 0.00 | 12,899.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 13,000.0 13,100.0 | | 0.00 0.00 | 12,999.1 13,099.1 | -111.0 -111.0 | 12.0 12.0 | -111.0 -111.0 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| | | | | | | | | | |
| 13,200.0 | | 0.00 | 13,199.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 13,300.0 | | 0.00 | 13,299.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 13,400.0 | | 0.00 | 13,399.1 13,499.1 | -111.0 | 12.0 12.0 | -111.0 -111.0 | 0.00 0.00 | 0.00 | 0.00 0.00 |
| 13,500.0 13,600.0 | | 0.00 0.00 | 13,599.1 | -111.0 -111.0 | 12.0 | -111.0 | 0.00 | 0.00 0.00 | 0.00 |
| | | | | | | | | | |
| 13,700.0 | | 0.00 | 13,699.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 13,800.0 13,900.0 | | 0.00 0.00 | 13,799.1 13,899.1 | -111.0 -111.0 | 12.0 12.0 | -111.0 -111.0 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| 14,000.0 | | 0.00 | 13,999.1 | -111.0 -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 14,100.0 | | 0.00 | 14,099.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 14,200.0 | 0.00 | 0.00 | 14,199.1 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 14,210.4 | 0.00 | 0.00 | 14,209.5 | -111.0 | 12.0 | -111.0 | 0.00 | 0.00 | 0.00 |
| 14,225.0 | | 0.00 | 14,224.1 | -110.8 | 12.0 | -110.8 | 12.00 | 12.00 | 0.00 |
| 14,250.0 | 4.75 | 0.00 | 14,249.1 | -109.4 | 12.0 | -109.4 | 12.00 | 12.00 | 0.00 |
| 14,275.0 | | 0.00 | 14,273.9 | -106.6 | 12.0 | -106.7 | 12.00 | 12.00 | 0.00 |
| 14,300.0 | 10.75 | 0.00 | 14,298.6 | -102.6 | 12.0 | -102.7 | 12.00 | 12.00 | 0.00 |
| 14,325.0 | | 0.00 | 14,323.0 | -97.3 | 12.0 | -97.4 | 12.00 | 12.00 | 0.00 |
| 14,350.0 | | 0.00 | 14,347.1 | -90.7 | 12.0 | -90.8 | 12.00 | 12.00 | 0.00 |
| 14,375.0 | | 0.00 | 14,370.9 | -82.9 | 12.0 | -83.0 | 12.00 | 12.00 | 0.00 |
| 14,400.0 | 22.76 | 0.00 | 14,394.2 | -73.8 | 12.0 | -73.9 | 12.00 | 12.00 | 0.00 |
| 14,425.0 | | 0.00 | 14,417.0 | -63.6 | 12.0 | -63.6 | 12.00 | 12.00 | 0.00 |
| 14,430.8 | | 0.00 | 14,422.2 | -61.0 | 12.0 | -61.0 | 12.00 | 12.00 | 0.00 |
| 14,450.0 | | 359.96 | 14,439.2 | -52.1 | 12.0 | -52.2 | 12.00 | 12.00 | -0.19 |
| 14,475.0 | | 359.93 | 14,460.8 | -39.5 | 12.0 | -39.6 | 12.00 | 12.00 | -0.16 |
| 14,500.0 | 34.76 | 359.89 | 14,481.7 | -25.8 | 12.0 | -25.9 | 12.00 | 12.00 | -0.13 |
| 14,525.0 | | 359.86 | 14,501.8 | -11.0 | 11.9 | -11.1 | 12.00 | 12.00 | -0.11 |
| 14,550.0 | 40.76 | 359.84 | 14,521.2 | 4.8 | 11.9 | 4.7 | 12.00 | 12.00 | -0.10 |

beog resources

Planning Report

Database:

PEDM

Company: Midland
Project: Lea County, NM (NAD 83 NME)

 Site:
 Ophelia 27

 Well:
 #901H

 Wellbore:
 OH

 Design:
 Plan #0.1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well #901H KB @ 3318.0usft

KB @ 3318.0usft Grid

| 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) |
| 14,575.0 | | 359.82 | 14,539.7 | 21.6 | 11.8 | 21.5 | 12.00 | 12.00 | -0.09 |
| 14,600.0 | | 359.80 | 14,557.3 | 39.3 | 11.8 | 39.3 | 12.00 | 12.00 | -0.08 |
| 14,625.0 | 49.76 | 359.78 | 14,573.9 | 58.0 | 11.7 | 57.9 | 12.00 | 12.00 | -0.07 |
| 14,650.0 | 52.76 | 359.76 | 14,589.6 | 77.5 | 11.6 | 77.4 | 12.00 | 12.00 | -0.07 |
| 14,675.0 | | 359.75 | 14,604.2 | 97.8 | 11.5 | 97.7 | 12.00 | 12.00 | -0.06 |
| 14,700.0 | | 359.73 | 14,617.7 | 118.8 | 11.4 | 118.8 | 12.00 | 12.00 | -0.06 |
| 14,725.0 | | 359.72 | 14,630.1 | 140.5 | 11.3 | 140.5 | 12.00 | 12.00 | -0.05 |
| 14,750.0 | | 359.71 | 14,641.3 | 162.8 | 11.2 | 162.8 | 12.00 | 12.00 | -0.05 |
| 14,775.0 | | 359.70 | 14,651.4 | 185.7 | 11.1 | 185.7 | 12.00 | 12.00 | -0.05 |
| 14,800.0 | | 359.68 | 14,660.3 | 209.1 | 11.0 | 209.0 | 12.00 | 12.00 | -0.05 |
| 14,825.0 | | 359.67 | 14,667.9 | 232.9 | 10.9 | 232.8 | 12.00 | 12.00 | -0.04 |
| 14,850.0 14,875.0 | | 359.66 359.65 | 14,674.2 14,679.3 | 257.1 281.5 | 10.7 10.6 | 257.0 281.5 | 12.00 12.00 | 12.00 12.00 | -0.04 -0.04 |
| | | | | | | | | | |
| 14,900.0 | | 359.64 | 14,683.1 | 306.2 | 10.4 | 306.2 | 12.00 | 12.00 | -0.04 |
| 14,925.0 | | 359.63 | 14,685.6 | 331.1 | 10.3 | 331.1 | 12.00 | 12.00 | -0.04 |
| 14,950.0 14,960.4 | | 359.62 359.62 | 14,686.8 14,686.9 | 356.1 366.5 | 10.1 10.0 | 356.0 366.4 | 12.00 12.00 | 12.00 12.00 | -0.04 -0.04 |
| 15,000.0 | | 359.62 | 14,686.9 | 406.1 | 9.8 | 406.0 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | |
| 15,100.0 15,200.0 | | 359.62 359.62 | 14,686.9 14,686.9 | 506.1 606.1 | 9.1 8.4 | 506.0 606.0 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| 15,300.0 | | 359.62 | 14,686.9 | 706.1 | 0. 4 7.8 | 706.0 | 0.00 | 0.00 | 0.00 |
| 15,400.0 | | 359.62 | 14,686.9 | 806.1 | 7.0 | 806.0 | 0.00 | 0.00 | 0.00 |
| 15,500.0 | | 359.62 | 14,687.0 | 906.1 | 6.4 | 906.0 | 0.00 | 0.00 | 0.00 |
| 15,600.0 | | 359.62 | 14,687.0 | | | 1,006.0 | 0.00 | 0.00 | 0.00 |
| 15,700.0 | | 359.62 | 14,687.0 | 1,006.1 1,106.1 | 5.8 5.1 | 1,106.0 | 0.00 | 0.00 | 0.00 |
| 15,800.0 | | 359.62 | 14,687.0 | 1,206.1 | 4.4 | 1,206.0 | 0.00 | 0.00 | 0.00 |
| 15,900.0 | | 359.62 | 14,687.0 | 1,306.1 | 3.8 | 1,306.0 | 0.00 | 0.00 | 0.00 |
| 16,000.0 | | 359.62 | 14,687.0 | 1,406.1 | 3.1 | 1,406.0 | 0.00 | 0.00 | 0.00 |
| 16,100.0 | 90.00 | 359.62 | 14,687.0 | 1,506.1 | 2.4 | 1,506.0 | 0.00 | 0.00 | 0.00 |
| 16,200.0 | | 359.62 | 14,687.0 | 1,606.1 | 1.8 | 1,606.0 | 0.00 | 0.00 | 0.00 |
| 16,300.0 | | 359.62 | 14,687.0 | 1,706.1 | 1.1 | 1,706.0 | 0.00 | 0.00 | 0.00 |
| 16,400.0 | 90.00 | 359.62 | 14,687.0 | 1,806.0 | 0.4 | 1,806.0 | 0.00 | 0.00 | 0.00 |
| 16,500.0 | 90.00 | 359.62 | 14,687.0 | 1,906.0 | -0.2 | 1,906.0 | 0.00 | 0.00 | 0.00 |
| 16,600.0 | 90.00 | 359.62 | 14,687.0 | 2,006.0 | -0.9 | 2,006.0 | 0.00 | 0.00 | 0.00 |
| 16,700.0 | 90.00 | 359.62 | 14,687.0 | 2,106.0 | -1.6 | 2,106.0 | 0.00 | 0.00 | 0.00 |
| 16,800.0 | | 359.62 | 14,687.0 | 2,206.0 | -2.2 | 2,206.0 | 0.00 | 0.00 | 0.00 |
| 16,900.0 | | 359.62 | 14,687.0 | 2,306.0 | -2.9 | 2,306.0 | 0.00 | 0.00 | 0.00 |
| 17,000.0 | 90.00 | 359.62 | 14,687.0 | 2,406.0 | -3.6 | 2,406.0 | 0.00 | 0.00 | 0.00 |
| 17,100.0 | | 359.62 | 14,687.0 | 2,506.0 | -4.2 | 2,506.0 | 0.00 | 0.00 | 0.00 |
| 17,200.0 | | 359.62 | 14,687.0 | 2,606.0 | -4.9 | 2,606.0 | 0.00 | 0.00 | 0.00 |
| 17,300.0 | | 359.62 | 14,687.0 | 2,706.0 | -5.6 | 2,706.0 | 0.00 | 0.00 | 0.00 |
| 17,400.0 | | 359.62 | 14,687.0 | 2,806.0 | -6.2 | 2,806.0 | 0.00 | 0.00 | 0.00 |
| 17,500.0 | | 359.62 | 14,687.0 | 2,906.0 | -6.9 | 2,906.0 | 0.00 | 0.00 | 0.00 |
| 17,600.0 | | 359.62 | 14,687.0 | 3,006.0 | -7.6 | 3,006.0 | 0.00 | 0.00 | 0.00 |
| 17,700.0 | | 359.62 | 14,687.0 | 3,106.0 | -8.2 | 3,106.0 | 0.00 | 0.00 | 0.00 |
| 17,800.0 | | 359.62 | 14,687.0 | 3,206.0 | -8.9 | 3,206.0 | 0.00 | 0.00 | 0.00 |
| 17,900.0 18,000.0 | | 359.62 359.62 | 14,687.0 14,687.0 | 3,306.0 3,406.0 | -9.6 -10.2 | 3,306.0 3,406.0 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| | | | , | | | , | | | |
| 18,100.0 | | 359.62 | 14,687.0 | 3,506.0 | -10.9 | 3,506.0 | 0.00 | 0.00 | 0.00 |
| 18,200.0 18,300.0 | | 359.62 359.62 | 14,687.0 14,687.0 | 3,606.0 3,706.0 | -11.6 -12.2 | 3,606.0 3,706.0 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| 18,400.0 | | 359.62 359.62 | 14,687.0 | 3,706.0 | -12.2 -12.9 | 3,706.0 | 0.00 | 0.00 | 0.00 |
| 18,500.0 | | 359.62 | 14,687.0 | 3,906.0 | -13.6 | 3,906.0 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | |
| 18,600.0 | 90.00 | 359.62 | 14,687.0 | 4,006.0 | -14.2 | 4,006.0 | 0.00 | 0.00 | 0.00 |



Planning Report

Database: Company: PEDM

Company: Midland
Project: Lea County, NM (NAD 83 NME)

 Site:
 Ophelia 27

 Well:
 #901H

 Wellbore:
 OH

 Design:
 Plan #0.1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

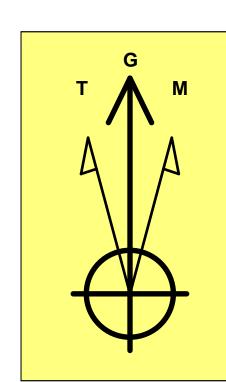
Well #901H KB @ 3318.0usft

KB @ 3318.0usft Grid

| Planned Survey | | | | | | | | | |
|-----------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 18,700.0 | 90.00 | 359.62 | 14,687.0 | 4,106.0 | -14.9 | 4,106.0 | 0.00 | 0.00 | 0.00 |
| 18,800.0 | 90.00 | 359.62 | 14,687.0 | 4,206.0 | -15.6 | 4,206.0 | 0.00 | 0.00 | 0.00 |
| 18,900.0 | 90.00 | 359.62 | 14,687.0 | 4,306.0 | -16.2 | 4,306.0 | 0.00 | 0.00 | 0.00 |
| 19,000.0 | 90.00 | 359.62 | 14,687.0 | 4,406.0 | -16.9 | 4,406.0 | 0.00 | 0.00 | 0.00 |
| 19,100.0 | 90.00 | 359.62 | 14,687.0 | 4,506.0 | -17.6 | 4,506.0 | 0.00 | 0.00 | 0.00 |
| 19,200.0 | 90.00 | 359.62 | 14,687.0 | 4,606.0 | -18.2 | 4,606.0 | 0.00 | 0.00 | 0.00 |
| 19,300.0 | 90.00 | 359.62 | 14,687.0 | 4,706.0 | -18.9 | 4,706.0 | 0.00 | 0.00 | 0.00 |
| 19,400.0 | 90.00 | 359.62 | 14,687.0 | 4,806.0 | -19.6 | 4,806.0 | 0.00 | 0.00 | 0.00 |
| 19,500.0 | 90.00 | 359.62 | 14,687.0 | 4,906.0 | -20.2 | 4,906.0 | 0.00 | 0.00 | 0.00 |
| 19,600.0 | 90.00 | 359.62 | 14,687.0 | 5,006.0 | -20.9 | 5,006.0 | 0.00 | 0.00 | 0.00 |
| 19,614.0 | 90.00 | 359.62 | 14,687.0 | 5,020.0 | -21.0 | 5,020.0 | 0.00 | 0.00 | 0.00 |

| Design Targets | | | | | | | | | |
|---|------------------|-----------------|---------------|-----------------|-----------------|--------------------|-------------------|-----------------|-------------------|
| Target Name - hit/miss target - Shape | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
| KOP(Ophelia 27 #901H) - plan hits target cent - Point | 0.00 er | 0.00 | 14,209.5 | -111.0 | 12.0 | 369,911.00 | 782,625.00 | 32° 0' 52.475 N | 103° 33' 17.438 W |
| FTP(Ophelia 27 #901H) - plan hits target cent - Point | 0.00 er | 0.00 | 14,422.2 | -61.0 | 12.0 | 369,961.00 | 782,625.00 | 32° 0' 52.970 N | 103° 33' 17.434 W |
| PBHL(Ophelia 27 #901F - plan hits target cent - Point | 0.00 er | 0.00 | 14,687.0 | 5,020.0 | -21.0 | 375,042.00 | 782,592.00 | 32° 1' 43.251 N | 103° 33' 17.392 W |





Azimuths to Grid North True North: -0.41° Magnetic North: 6.01°

Magnetic Field Strength: 47286.3nT Dip Angle: 59.68° Date: 4/14/2022 Model: IGRF2020

To convert a Magnetic Direction to a Grid Direction, Add 6.01°
To convert a Magnetic Direction to a True Direction, Add 6.42° East
To convert a True Direction to a Grid Direction, Subtract 0.41°

Northing

Lea County, NM (NAD 83 NME)

Ophelia 27 #901H

Plan #0.1

PROJECT DETAILS: Lea County, NM (NAD 83 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

WELL DETAILS: #901H

3293.0

KB @ 3318.0usft

Easting Latittude 32° 0' 53.574 N 370022.00 782613.00

Longitude 103° 33' 17.568 W

| SECTION DETAILS | | | | | | | | | | | |
|-----------------|-----|---------|-------|--------|---------|--------|-------|-------|--------|--------|------------------------|
| | Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSect | Target |
| | 1 | 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| | 2 | 1100.0 | 0.00 | 0.00 | 1100.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| | 3 | 1146.0 | 0.92 | 173.83 | 1146.0 | -0.4 | 0.0 | 2.00 | 173.83 | -0.4 | |
| | 4 | 8049.9 | 0.92 | 173.83 | 8049.0 | -110.6 | 12.0 | 0.00 | 0.00 | -110.7 | |
| | 5 | 8095.9 | 0.00 | 0.00 | 8095.0 | -111.0 | 12.0 | 2.00 | 180.00 | -111.0 | |
| | 6 | 14210.4 | 0.00 | 0.00 | 14209.5 | -111.0 | 12.0 | 0.00 | 0.00 | -111.0 | KOP(Ophelia 27 #901H) |
| | 7 | 14430.8 | 26.46 | 0.00 | 14422.2 | -61.0 | 12.0 | 12.00 | 0.00 | -61.0 | FTP(Ophelia 27 #901H) |
| | 8 | 14960.4 | 90.00 | 359.62 | 14686.9 | 366.5 | 10.0 | 12.00 | -0.43 | 366.4 | · • |
| | 9 | 19614.0 | 90.00 | 359.62 | 14687.0 | 5020.0 | -21.0 | 0.00 | 0.00 | 5020.0 | PBHL(Ophelia 27 #901H) |
| | | | | | | | | | | | |

CASING DETAILS

8550

10350

12150

12600-

13050

13500-

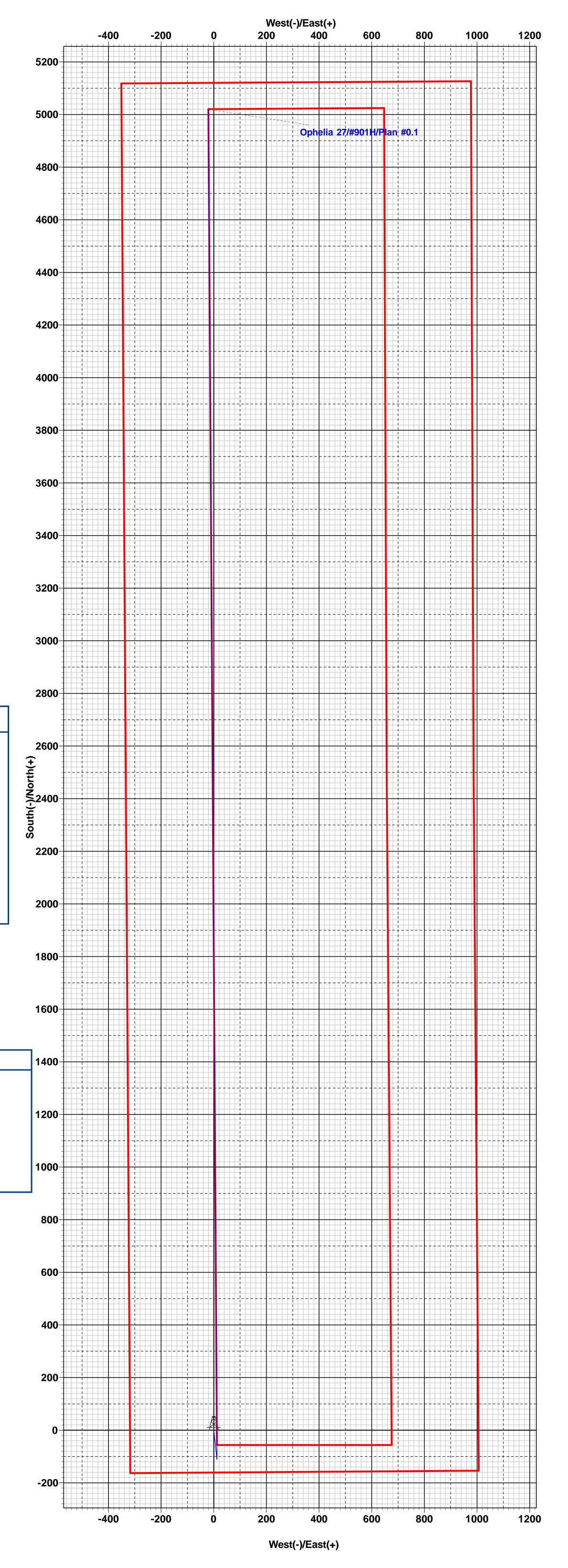
13950

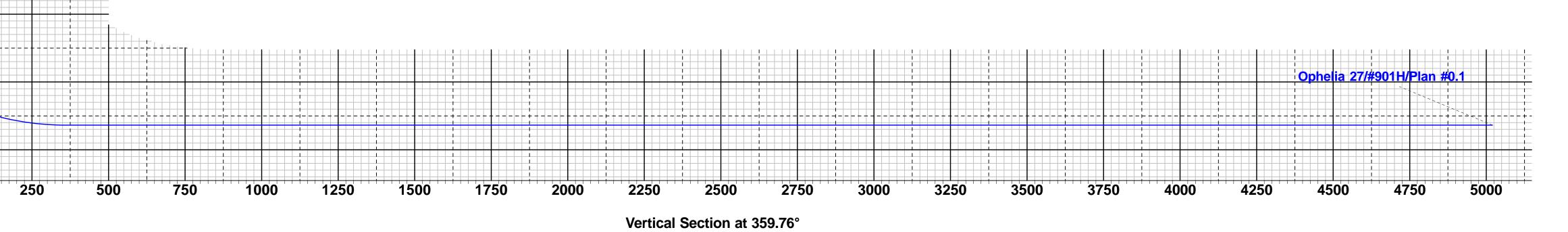
14400

14850

No casing data is available

| WELLBORE TARGET DETAILS (MAP CO-ORDINATES) | | | | | | | | | | |
|--|---------|--------|-------|-----------|-----------|--|--|--|--|--|
| Name | TVD | +N/-S | +E/-W | Northing | Easting | | | | | |
| KOP(Ophelia 27 #901H) | 14209.5 | -111.0 | 12.0 | 369911.00 | 782625.00 | | | | | |
| FTP(Ophelia 27 #901H) | 14422.2 | -61.0 | 12.0 | 369961.00 | 782625.00 | | | | | |
| PBHL(Ophelia 27 #901H) | 14687.0 | 5020.0 | -21.0 | 375042.00 | 782592.00 | | | | | |
| | | | | | | | | | | |





Lea County, NM (NAD 83 NME) 9:26, April 14 2022