

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural
Resources

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

Oil Conservation Division
1220 South St. Francis Dr.

AMENDED REPORT

I. REQUEST FOR ALLOWABLE MINERAL AUTHORIZATION TO TRANSPORT

| | | |
|--|---|---|
| ¹ Operator name and Address EOG RESOURCES INC PO BOX 2267 MIDLAND, TEXAS 79702 | | ² OGRID Number 7377 |
| | | ³ Reason for Filing Code/ Effective Date 4/1/2023 |
| ⁴ API Number 30 - 015-49917 | ⁵ Pool Name Purple Sage; Wolfcamp (Gas) | ⁶ Pool Code 98220 |
| ⁷ Property Code 331158 | ⁸ Property Name Sherpa 12 State Com | ⁹ Well Number 727H |

II. ¹⁰ Surface Location

| Ul or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South Line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| A | 12 | 25S | 27E | | 631' | NORTH | 1313' | EAST | EDDY |

¹¹ Bottom Hole Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| O | 13 | 25S | 27E | | 339' | SOUTH | 1626' | EAST | EDDY |

| | | | | | |
|------------------------|--|-----------------------------------|-----------------------------------|------------------------------------|-------------------------------------|
| ¹² Lse Code | ¹³ Producing Method Code FLOWING | ¹⁴ Gas Connection Date | ¹⁵ C-129 Permit Number | ¹⁶ C-129 Effective Date | ¹⁷ C-129 Expiration Date |
|------------------------|--|-----------------------------------|-----------------------------------|------------------------------------|-------------------------------------|

III. Oil and Gas Transporters

| ¹⁸ Transporter OGRID | ¹⁹ Transporter Name and Address | ²⁰ O/G/W |
|---------------------------------|--|---------------------|
| 372812 | EOGRM | OIL |
| 151618 | ENTERPRISE FIELD SERVICES | GAS |
| 298751 | REGENCY FIELD SERVICES | GAS |
| 36785 | DCP MIDSTREAM | GAS |

IV. Well Completion Data

| | | | | | |
|--------------------------------------|--------------------------------------|-----------------------------|-------------------------------|--|-----------------------|
| ²¹ Spud Date 9/28/2022 | ²² Ready Date 4/1/2023 | ²³ TD 19,455' | ²⁴ PBDT 19,432' | ²⁵ Perforations 9,670'-19,432' | ²⁶ DHC, MC |
| ²⁷ Hole Size | ²⁸ Casing & Tubing Size | ²⁹ Depth Set | ³⁰ Sacks Cement | | |
| 12 1/4" | 9 5/8" | 1022' | 635 SXS CL C/CIRC | | |
| 8 3/4" | 7 5/8" | 8754' | 1235 SXS CL H&C/CIRC | | |
| 6 3/4" | 5 1/2" | 19,440' | 1015 SXS CL H/CIRC | | |

V. Well Test Data

| | | | | | |
|--|---|--------------------------------------|-------------------------------------|-----------------------------|-------------------------------------|
| ³¹ Date New Oil 4/1/2023 | ³² Gas Delivery Date 4/1/2023 | ³³ Test Date 4/12/2023 | ³⁴ Test Length 24 HRS | ³⁵ Tbg. Pressure | ³⁶ Csg. Pressure 1066 |
| ³⁷ Choke Size 50 | ³⁸ Oil 2263 | ³⁹ Water 9878 | ⁴⁰ Gas 3671 | ⁴¹ Test Method | |

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Kristina Agee*

Printed name: Kristina Agee

Title: REGULATORY SPECIALIST

E-mail Address: kristina_agee@eogresources.com

Date: 4/19/2023 Phone: 432-686-6996

| | |
|---------------------------|--|
| OIL CONSERVATION DIVISION | |
| Approved by: | |
| Title: | |
| Approval Date: | |



Eddy County, NM (NAD 83 NME)

Sherpa 12 State Com #727H

Patterson 885

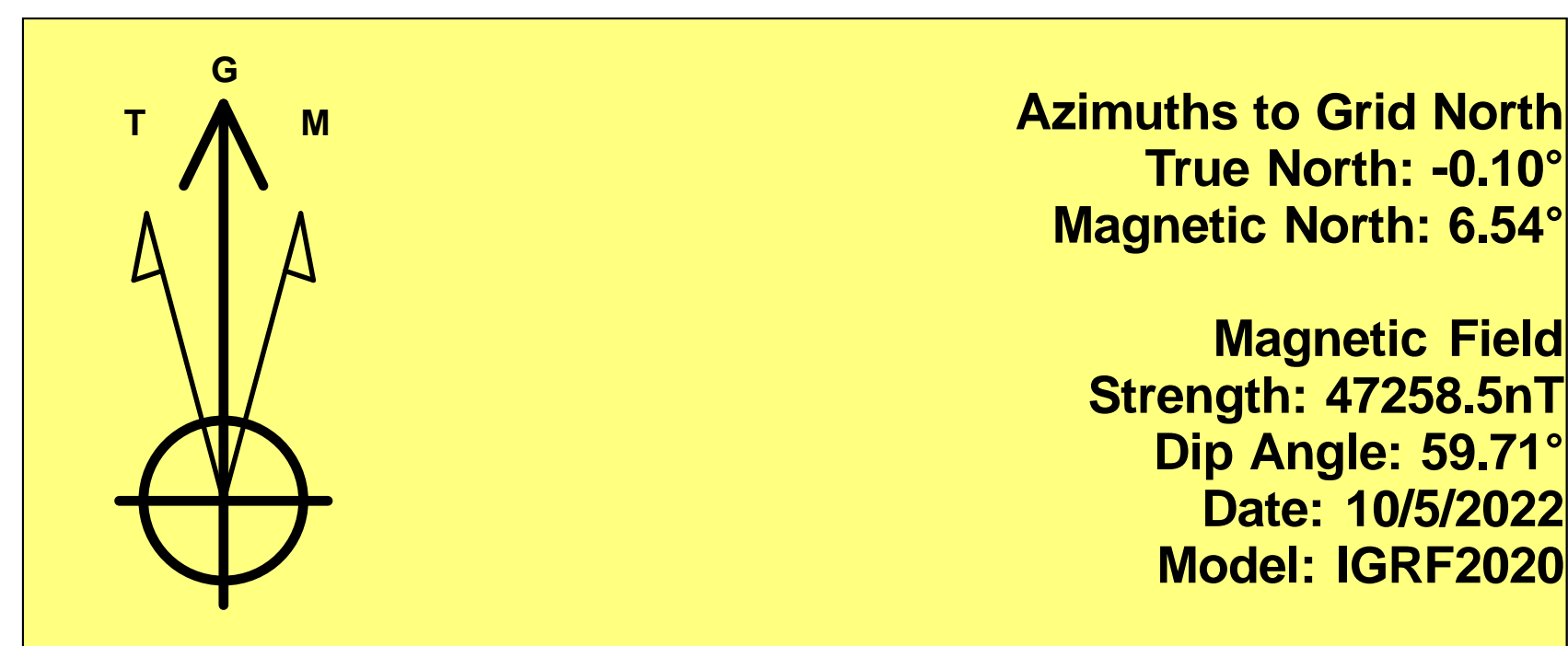
OH

PROJECT DETAILS: Eddy County, NM (NAD 83 NME)

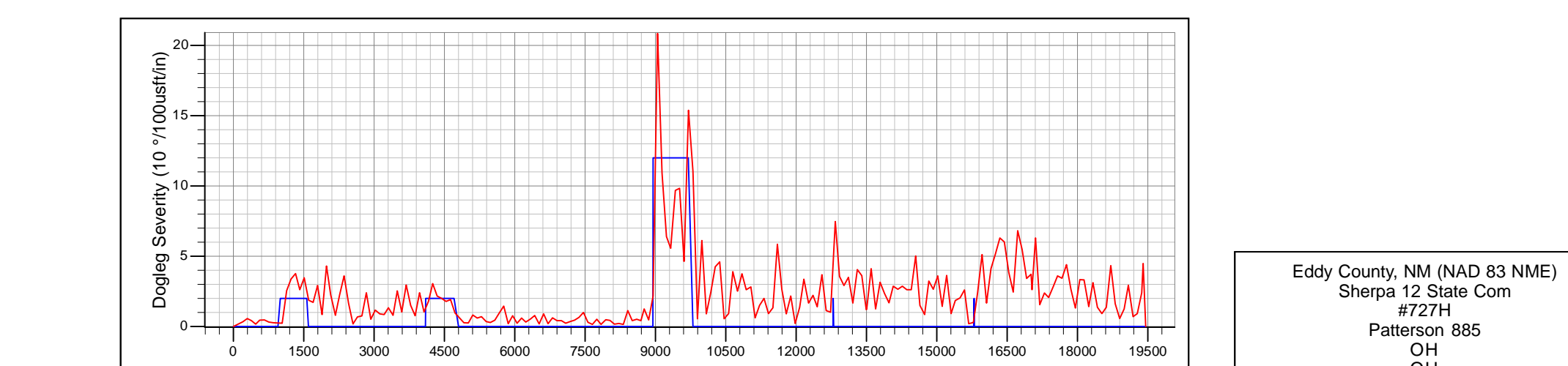
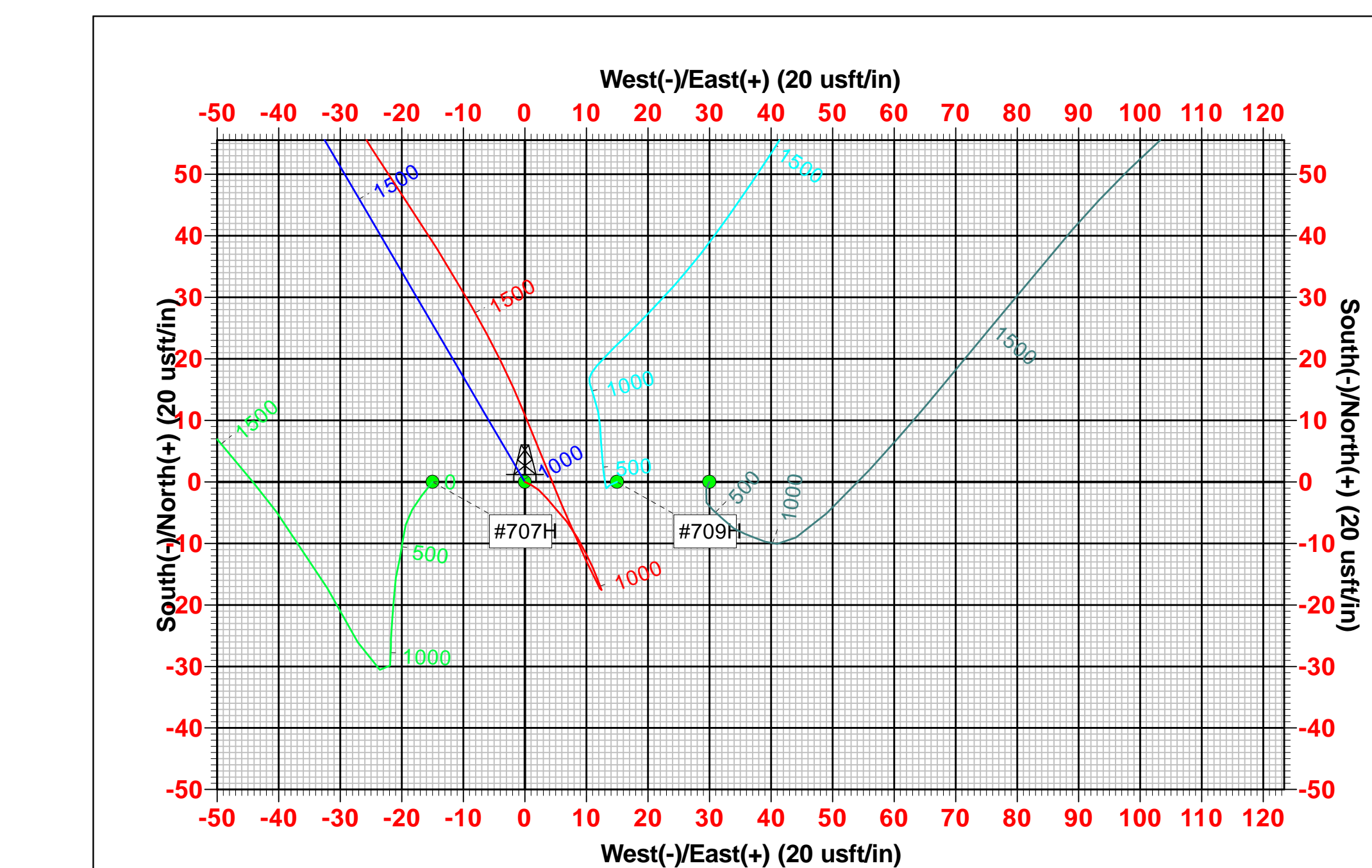
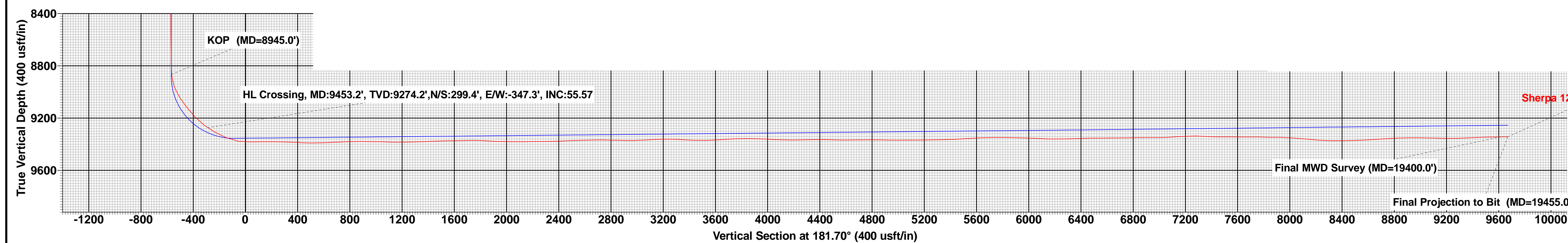
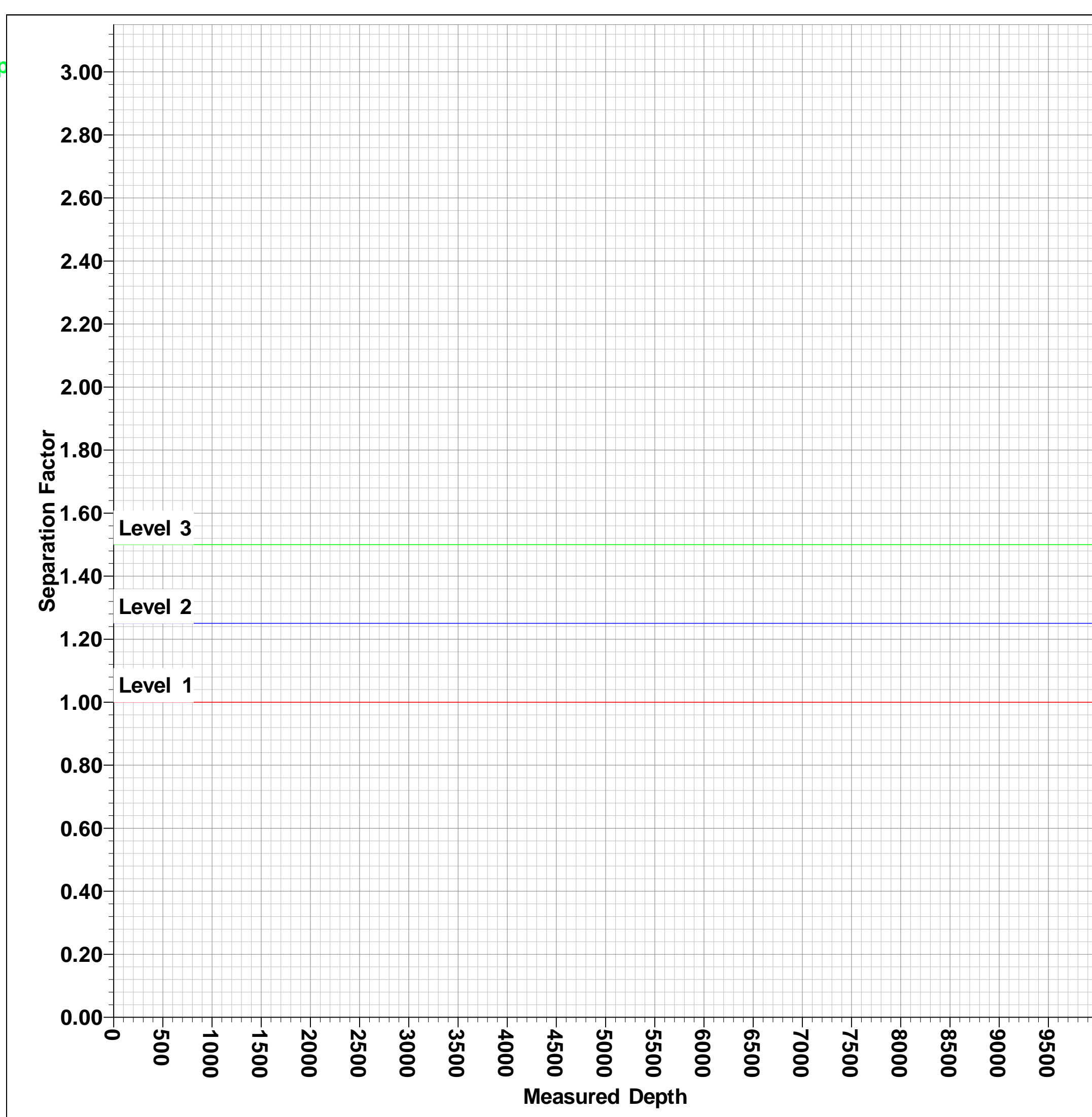
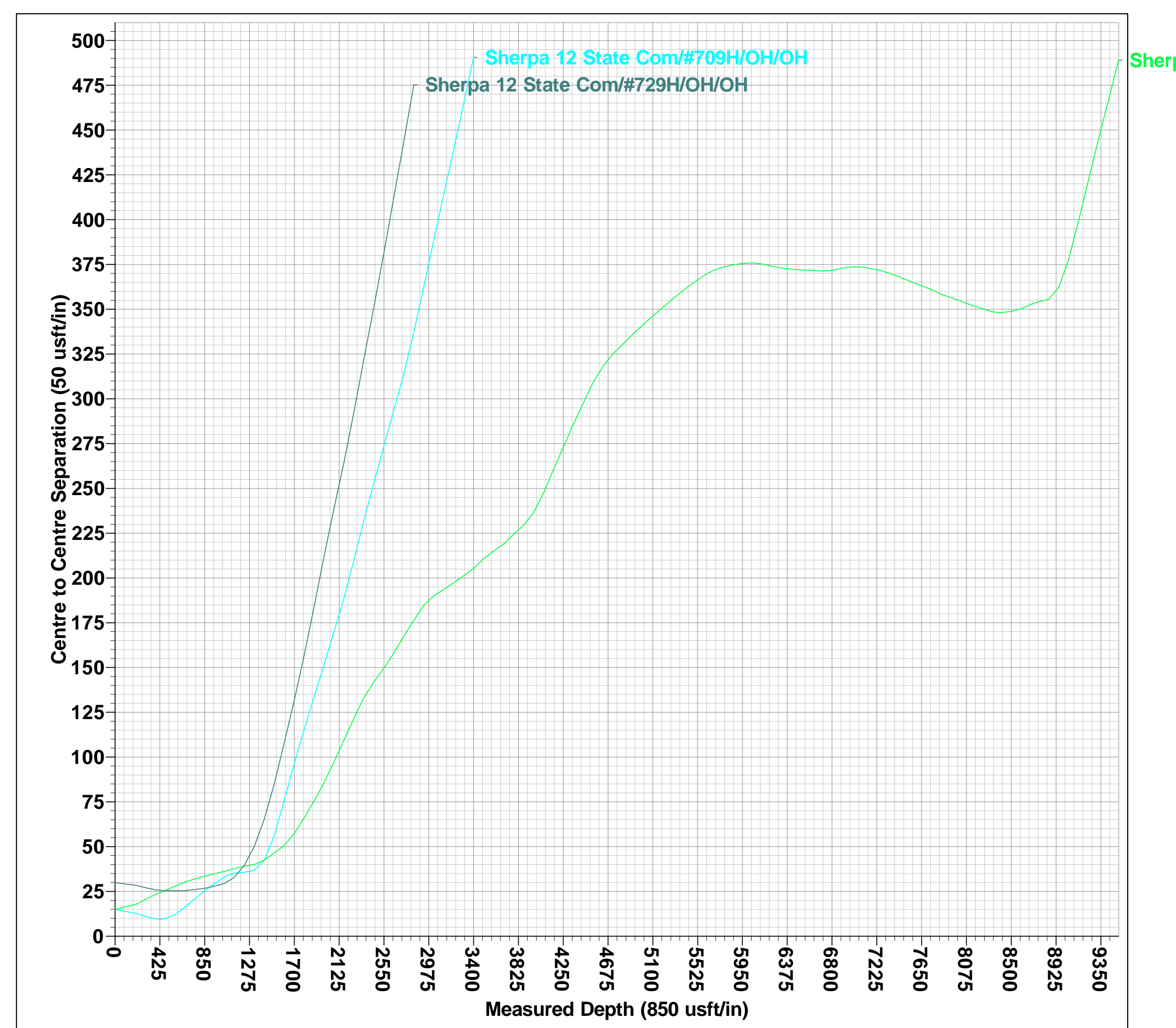
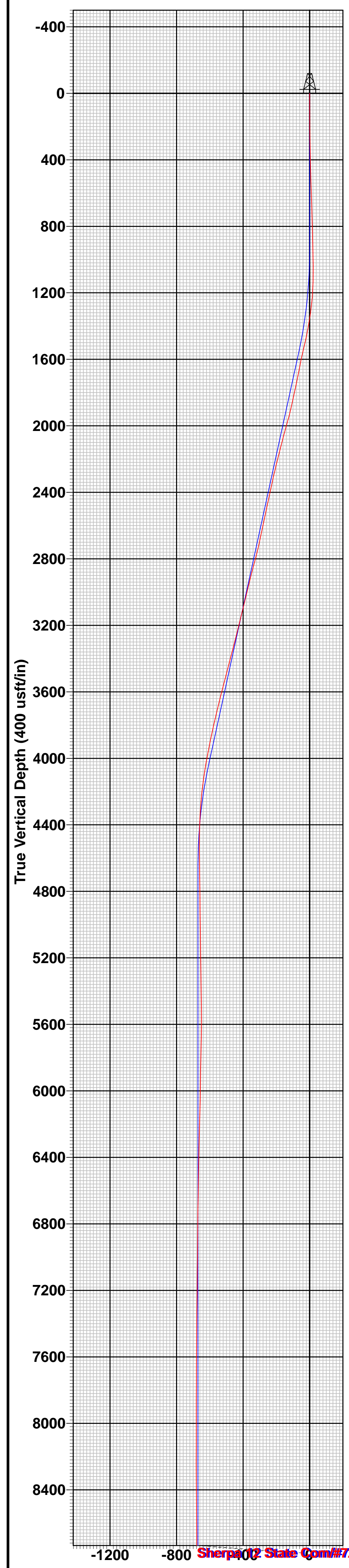
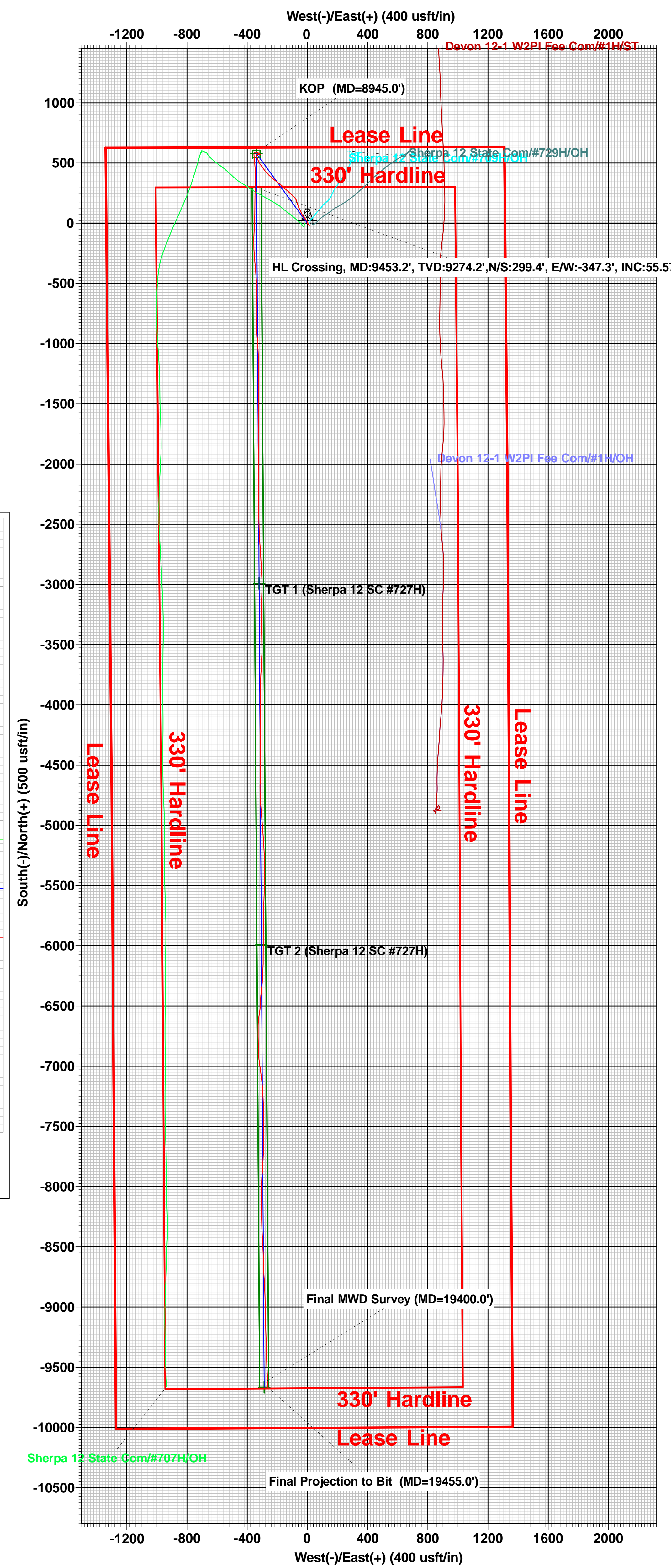
Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Eastern Zone
 System Datum: Mean Sea Level

WELL DETAILS: #727H

| | | | |
|-----------|---------------------------------------|----------------|------------------|
| | KB = 25' @ 3101.0usft (Patterson 885) | 3076.0 | |
| Northing | Easting | Latitude | Longitude |
| 418435.00 | 601250.00 | 32° 9' 0.750 N | 104° 8' 23.077 W |



To convert a Magnetic Direction to a Grid Direction, Add 6.54°
 To convert a Magnetic Direction to a True Direction, Add 6.65° East
 To convert a True Direction to a Grid Direction, Subtract 0.10°





Midland

**Eddy County, NM (NAD 83 NME)
Sherpa 12 State Com
#727H
OH**

Design: OH

Final PVA

07 November, 2022



Final PVA

| | | | |
|------------------|------------------------------|-------------------------------------|---------------------------------------|
| Company: | Midland | Local Co-ordinate Reference: | Well #727H |
| Project: | Eddy County, NM (NAD 83 NME) | TVD Reference: | KB = 25' @ 3101.0usft (Patterson 885) |
| Site: | Sherpa 12 State Com | MD Reference: | KB = 25' @ 3101.0usft (Patterson 885) |
| Well: | #727H | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | PEDM |

| | | | |
|--------------------|------------------------------|----------------------|----------------|
| Project | Eddy County, NM (NAD 83 NME) | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | New Mexico Eastern Zone | | |

| | | | | | |
|------------------------------|---------------------|---------------------|-----------------|--------------------------|------------------|
| Site | Sherpa 12 State Com | | | | |
| Site Position: | | Northing: | 418,435.00 usft | Latitude: | 32° 9' 0.749 N |
| From: | Map | Easting: | 601,280.00 usft | Longitude: | 104° 8' 22.728 W |
| Position Uncertainty: | 0.0 usft | Slot Radius: | 13-3/16 " | Grid Convergence: | 0.10 ° |

| | | | | | | |
|-----------------------------|--------------|----------|----------------------------|-----------------|----------------------|------------------|
| Well | #727H | | | | | |
| Well Position | +N/-S | 0.0 usft | Northing: | 418,435.00 usft | Latitude: | 32° 9' 0.750 N |
| | +E/-W | 0.0 usft | Easting: | 601,250.00 usft | Longitude: | 104° 8' 23.077 W |
| Position Uncertainty | | 0.0 usft | Wellhead Elevation: | usft | Ground Level: | 3,076.0 usft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | OH | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2020 | 10/5/2022 | 6.65 | 59.71 | 47,258.51751374 |

| | | | | | |
|--------------------------|-----|--------------------------------|---------------------|----------------------|----------------------|
| Design | OH | | | | |
| Audit Notes: | | | | | |
| Version: | 1.0 | Phase: | ACTUAL | Tie On Depth: | 0.0 |
| Vertical Section: | | Depth From (TVD) (usft) | +N/-S (usft) | +E/-W (usft) | Direction (°) |
| | | 0.0 | 0.0 | 0.0 | 181.70 |

| | | | | | |
|-----------------------|------------------|--------------------------|------------------|--------------------|--|
| Survey Program | Date | 11/7/2022 | | | |
| From (usft) | To (usft) | Survey (Wellbore) | Tool Name | Description | |
| 200.0 | 19,455.0 | Stryker MWD #1 (OH) | EOG MWD+IFR1 | MWD + IFR1 | |



Final PVA

| | | | |
|------------------|------------------------------|-------------------------------------|---------------------------------------|
| Company: | Midland | Local Co-ordinate Reference: | Well #727H |
| Project: | Eddy County, NM (NAD 83 NME) | TVD Reference: | KB = 25' @ 3101.0usft (Patterson 885) |
| Site: | Sherpa 12 State Com | MD Reference: | KB = 25' @ 3101.0usft (Patterson 885) |
| Well: | #727H | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | PEDM |

| Survey | | | | | | | | | | | |
|-----------|---------|-------------------|------------|------------|------------|------------------|-------------------|------------------|---------------------|----------------------|-----|
| MD (usft) | Inc (°) | Azi (azimuth) (°) | TVD (usft) | N/S (usft) | E/W (usft) | DLeg (°/100usft) | Build (°/100usft) | Turn (°/100usft) | High to Plan (usft) | Right to Plan (usft) | |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 |
| 200.0 | 0.66 | 115.46 | 200.0 | -0.5 | 1.0 | 0.33 | 0.33 | 0.00 | -1.2 | 0.0 | |
| 293.0 | 1.14 | 128.29 | 293.0 | -1.3 | 2.2 | 0.56 | 0.52 | 13.80 | -2.6 | 0.4 | |
| 383.0 | 1.36 | 142.00 | 383.0 | -2.7 | 3.6 | 0.41 | 0.24 | 15.23 | -4.3 | 1.2 | |
| 473.0 | 1.49 | 138.40 | 472.9 | -4.4 | 5.0 | 0.18 | 0.14 | -4.00 | -6.6 | 0.8 | |
| 562.0 | 1.89 | 139.54 | 561.9 | -6.4 | 6.8 | 0.45 | 0.45 | 1.28 | -9.3 | 1.0 | |
| 659.0 | 1.93 | 152.90 | 658.8 | -9.1 | 8.5 | 0.46 | 0.04 | 13.77 | -12.0 | 3.5 | |
| 754.0 | 1.63 | 151.32 | 753.8 | -11.7 | 9.9 | 0.32 | -0.32 | -1.66 | -15.0 | 3.1 | |
| 849.0 | 1.41 | 156.33 | 848.8 | -13.9 | 11.0 | 0.27 | -0.23 | 5.27 | -17.2 | 4.5 | |
| 943.0 | 1.19 | 159.14 | 942.7 | -15.9 | 11.9 | 0.24 | -0.23 | 2.99 | -19.1 | 5.4 | |
| 1,038.0 | 0.97 | 158.70 | 1,037.7 | -17.6 | 12.5 | 0.23 | -0.23 | -0.46 | -22.2 | 5.5 | |
| 1,133.0 | 1.45 | 329.91 | 1,132.7 | -17.3 | 12.2 | 2.54 | 0.51 | 180.22 | 26.8 | -1.9 | |
| 1,227.0 | 4.62 | 334.83 | 1,226.6 | -12.8 | 10.0 | 3.38 | 3.37 | 5.23 | 29.0 | -4.8 | |
| 1,322.0 | 8.18 | 337.21 | 1,321.0 | -3.1 | 5.7 | 3.76 | 3.75 | 2.51 | 28.8 | -7.2 | |
| 1,416.0 | 10.64 | 338.17 | 1,413.7 | 11.1 | -0.1 | 2.62 | 2.62 | 1.02 | 26.7 | -9.5 | |
| 1,510.0 | 13.45 | 330.26 | 1,505.6 | 28.6 | -8.7 | 3.46 | 2.99 | -8.41 | 24.7 | -7.2 | |
| 1,605.0 | 12.00 | 325.61 | 1,598.3 | 46.4 | -19.8 | 1.87 | -1.53 | -4.89 | 23.9 | -4.7 | |
| 1,699.0 | 10.73 | 330.62 | 1,690.4 | 62.1 | -29.6 | 1.71 | -1.35 | 5.33 | 25.0 | -6.2 | |
| 1,794.0 | 12.88 | 339.14 | 1,783.4 | 79.7 | -37.7 | 2.91 | 2.26 | 8.97 | 24.5 | -11.8 | |
| 1,888.0 | 12.09 | 338.79 | 1,875.2 | 98.7 | -45.0 | 0.84 | -0.84 | -0.37 | 24.0 | -14.9 | |
| 1,982.0 | 16.13 | 338.26 | 1,966.4 | 120.0 | -53.4 | 4.30 | 4.30 | -0.56 | 21.0 | -17.8 | |
| 2,077.0 | 15.43 | 345.65 | 2,057.8 | 144.5 | -61.4 | 2.24 | -0.74 | 7.78 | 12.3 | -24.1 | |
| 2,172.0 | 14.90 | 347.75 | 2,149.5 | 168.7 | -67.2 | 0.80 | -0.56 | 2.21 | 5.8 | -30.4 | |
| 2,266.0 | 13.85 | 340.37 | 2,240.5 | 191.1 | -73.5 | 2.24 | -1.12 | -7.85 | 5.9 | -34.7 | |
| 2,361.0 | 12.18 | 327.10 | 2,333.1 | 210.2 | -82.8 | 3.59 | -1.76 | -13.97 | 12.6 | -34.3 | |
| 2,455.0 | 12.40 | 319.81 | 2,425.0 | 226.2 | -94.7 | 1.67 | 0.23 | -7.76 | 16.6 | -30.3 | |
| 2,550.0 | 12.48 | 319.10 | 2,517.7 | 241.8 | -108.0 | 0.18 | 0.08 | -0.75 | 16.4 | -26.5 | |



Final PVA

Company: Midland
Project: Eddy County, NM (NAD 83 NME)
Site: Sherpa 12 State Com
Well: #727H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #727H
TVD Reference: KB = 25' @ 3101.0usft (Patterson 885)
MD Reference: KB = 25' @ 3101.0usft (Patterson 885)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: PEDM

| Survey | | | | | | | | | | | | |
|-----------|---------|-------------------|------------|------------|------------|------------------|-------------------|------------------|---------------------|----------------------|--|--|
| MD (usft) | Inc (°) | Azi (azimuth) (°) | TVD (usft) | N/S (usft) | E/W (usft) | DLeg (°/100usft) | Build (°/100usft) | Turn (°/100usft) | High to Plan (usft) | Right to Plan (usft) | | |
| 2,644.0 | 11.91 | 317.70 | 2,609.6 | 256.6 | -121.2 | 0.68 | -0.61 | -1.49 | 16.9 | -22.2 | | |
| 2,739.0 | 12.62 | 317.34 | 2,702.4 | 271.5 | -134.8 | 0.75 | 0.75 | -0.38 | 16.6 | -17.8 | | |
| 2,834.0 | 14.77 | 320.60 | 2,794.7 | 288.5 | -149.5 | 2.40 | 2.26 | 3.43 | 13.1 | -14.9 | | |
| 2,928.0 | 14.64 | 318.75 | 2,885.7 | 306.7 | -164.9 | 0.52 | -0.14 | -1.97 | 9.3 | -11.1 | | |
| 3,023.0 | 14.55 | 314.36 | 2,977.6 | 324.1 | -181.4 | 1.17 | -0.09 | -4.62 | 5.7 | -5.9 | | |
| 3,117.0 | 13.76 | 313.13 | 3,068.7 | 340.0 | -198.0 | 0.90 | -0.84 | -1.31 | 2.0 | -0.4 | | |
| 3,212.0 | 14.55 | 313.48 | 3,160.9 | 355.9 | -214.9 | 0.84 | 0.83 | 0.37 | -1.8 | 5.3 | | |
| 3,307.0 | 14.37 | 318.49 | 3,252.9 | 372.9 | -231.4 | 1.33 | -0.19 | 5.27 | -5.2 | 10.4 | | |
| 3,401.0 | 14.86 | 316.29 | 3,343.8 | 390.4 | -247.4 | 0.79 | 0.52 | -2.34 | -9.9 | 14.4 | | |
| 3,496.0 | 14.51 | 325.69 | 3,435.7 | 409.0 | -262.6 | 2.53 | -0.37 | 9.89 | -11.3 | 19.2 | | |
| 3,590.0 | 14.68 | 321.91 | 3,526.7 | 428.1 | -276.5 | 1.03 | 0.18 | -4.02 | -16.4 | 20.4 | | |
| 3,685.0 | 14.37 | 332.99 | 3,618.7 | 448.1 | -289.3 | 2.94 | -0.33 | 11.66 | -15.7 | 24.2 | | |
| 3,780.0 | 13.41 | 328.59 | 3,710.9 | 468.0 | -300.4 | 1.50 | -1.01 | -4.63 | -20.1 | 22.4 | | |
| 3,874.0 | 12.70 | 328.95 | 3,802.5 | 486.2 | -311.4 | 0.76 | -0.76 | 0.38 | -21.1 | 22.9 | | |
| 3,969.0 | 11.82 | 338.88 | 3,895.3 | 504.2 | -320.3 | 2.40 | -0.93 | 10.45 | -17.0 | 24.6 | | |
| 4,064.0 | 10.90 | 340.55 | 3,988.5 | 521.7 | -326.8 | 1.03 | -0.97 | 1.76 | -15.0 | 21.6 | | |
| 4,158.0 | 9.27 | 343.27 | 4,081.0 | 537.4 | -332.0 | 1.81 | -1.73 | 2.89 | -11.4 | 18.1 | | |
| 4,252.0 | 6.59 | 335.71 | 4,174.1 | 549.5 | -336.4 | 3.05 | -2.85 | -8.04 | -9.8 | 13.7 | | |
| 4,347.0 | 4.70 | 344.33 | 4,268.6 | 558.3 | -339.6 | 2.18 | -1.99 | 9.07 | -3.5 | 12.3 | | |
| 4,441.0 | 3.38 | 3.49 | 4,362.4 | 564.7 | -340.5 | 1.99 | -1.40 | 20.38 | 3.1 | 8.2 | | |
| 4,536.0 | 2.37 | 31.26 | 4,457.3 | 569.2 | -339.3 | 1.78 | -1.06 | 29.23 | 5.8 | 0.3 | | |
| 4,631.0 | 1.23 | 80.57 | 4,552.2 | 571.1 | -337.3 | 1.92 | -1.20 | 51.91 | 0.1 | -6.9 | | |
| 4,725.0 | 1.27 | 123.19 | 4,646.2 | 570.6 | -335.4 | 0.97 | 0.04 | 45.34 | -7.6 | -5.0 | | |
| 4,820.0 | 1.01 | 96.48 | 4,741.2 | 570.0 | -333.7 | 0.61 | -0.27 | -28.12 | -6.3 | -8.4 | | |
| 4,915.0 | 1.23 | 90.50 | 4,836.2 | 569.9 | -331.9 | 0.26 | 0.23 | -6.29 | -7.2 | -9.1 | | |
| 5,009.0 | 1.01 | 86.90 | 4,930.2 | 569.9 | -330.0 | 0.25 | -0.23 | -3.83 | -8.5 | -9.6 | | |
| 5,104.0 | 1.76 | 95.33 | 5,025.1 | 569.8 | -327.8 | 0.82 | 0.79 | 8.87 | -12.1 | -8.1 | | |



Final PVA

| | | | |
|------------------|------------------------------|-------------------------------------|---------------------------------------|
| Company: | Midland | Local Co-ordinate Reference: | Well #727H |
| Project: | Eddy County, NM (NAD 83 NME) | TVD Reference: | KB = 25' @ 3101.0usft (Patterson 885) |
| Site: | Sherpa 12 State Com | MD Reference: | KB = 25' @ 3101.0usft (Patterson 885) |
| Well: | #727H | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | PEDM |

| Survey | | | | | | | | | | | | |
|-----------|---------|-------------------|------------|------------|------------|------------------|-------------------|------------------|---------------------|----------------------|--|--|
| MD (usft) | Inc (°) | Azi (azimuth) (°) | TVD (usft) | N/S (usft) | E/W (usft) | DLeg (°/100usft) | Build (°/100usft) | Turn (°/100usft) | High to Plan (usft) | Right to Plan (usft) | | |
| 5,198.0 | 1.32 | 82.50 | 5,119.1 | 569.8 | -325.2 | 0.59 | -0.47 | -13.65 | -12.4 | -10.9 | | |
| 5,293.0 | 1.67 | 104.21 | 5,214.1 | 569.6 | -322.8 | 0.69 | 0.37 | 22.85 | -18.0 | -5.1 | | |
| 5,387.0 | 1.41 | 96.65 | 5,308.0 | 569.2 | -320.3 | 0.35 | -0.28 | -8.04 | -19.7 | -7.6 | | |
| 5,482.0 | 1.41 | 85.66 | 5,403.0 | 569.1 | -318.0 | 0.28 | 0.00 | -11.57 | -20.2 | -11.5 | | |
| 5,576.0 | 1.32 | 103.16 | 5,497.0 | 569.0 | -315.8 | 0.45 | -0.10 | 18.62 | -24.9 | -4.5 | | |
| 5,670.0 | 0.92 | 59.74 | 5,591.0 | 569.1 | -314.1 | 0.97 | -0.43 | -46.19 | -16.5 | -21.1 | | |
| 5,765.0 | 1.45 | 353.38 | 5,685.9 | 570.7 | -313.6 | 1.44 | 0.56 | -69.85 | 11.2 | -24.3 | | |
| 5,859.0 | 1.27 | 351.09 | 5,779.9 | 572.9 | -313.9 | 0.20 | -0.19 | -2.44 | 9.9 | -23.9 | | |
| 5,954.0 | 1.14 | 316.64 | 5,874.9 | 574.6 | -314.7 | 0.76 | -0.14 | -36.26 | 19.9 | -14.7 | | |
| 6,048.0 | 0.92 | 316.03 | 5,968.9 | 575.8 | -315.9 | 0.23 | -0.23 | -0.65 | 18.4 | -14.5 | | |
| 6,143.0 | 1.41 | 301.61 | 6,063.9 | 577.0 | -317.4 | 0.60 | 0.52 | -15.18 | 19.5 | -9.6 | | |
| 6,238.0 | 1.71 | 302.67 | 6,158.8 | 578.4 | -319.6 | 0.32 | 0.32 | 1.12 | 16.7 | -10.0 | | |
| 6,332.0 | 1.63 | 319.63 | 6,252.8 | 580.1 | -321.6 | 0.53 | -0.09 | 18.04 | 10.4 | -14.0 | | |
| 6,427.0 | 1.19 | 294.76 | 6,347.8 | 581.6 | -323.4 | 0.78 | -0.46 | -26.18 | 13.1 | -8.9 | | |
| 6,521.0 | 1.32 | 289.48 | 6,441.7 | 582.4 | -325.3 | 0.18 | 0.14 | -5.62 | 11.8 | -7.7 | | |
| 6,615.0 | 0.97 | 329.47 | 6,535.7 | 583.4 | -326.7 | 0.90 | -0.37 | 42.54 | 2.5 | -12.8 | | |
| 6,710.0 | 1.14 | 324.55 | 6,630.7 | 584.9 | -327.7 | 0.20 | 0.18 | -5.18 | 1.8 | -12.6 | | |
| 6,804.0 | 0.70 | 349.69 | 6,724.7 | 586.2 | -328.3 | 0.62 | -0.47 | 26.74 | -5.2 | -11.8 | | |
| 6,899.0 | 0.31 | 345.73 | 6,819.7 | 587.0 | -328.5 | 0.41 | -0.41 | -4.17 | -5.2 | -12.2 | | |
| 6,993.0 | 0.53 | 298.62 | 6,913.7 | 587.5 | -328.9 | 0.42 | 0.23 | -50.12 | 4.8 | -12.3 | | |
| 7,087.0 | 0.75 | 296.60 | 7,007.7 | 587.9 | -329.9 | 0.24 | 0.23 | -2.15 | 4.2 | -12.1 | | |
| 7,182.0 | 0.79 | 272.34 | 7,102.7 | 588.3 | -331.1 | 0.34 | 0.04 | -25.54 | 7.5 | -9.6 | | |
| 7,275.0 | 0.88 | 301.08 | 7,195.7 | 588.6 | -332.3 | 0.46 | 0.10 | 30.90 | 0.7 | -11.7 | | |
| 7,370.0 | 1.45 | 289.57 | 7,290.6 | 589.4 | -334.1 | 0.65 | 0.60 | -12.12 | 1.1 | -11.5 | | |
| 7,464.0 | 1.36 | 250.55 | 7,384.6 | 589.5 | -336.3 | 1.00 | -0.10 | -41.51 | 6.1 | -8.9 | | |
| 7,559.0 | 1.23 | 261.53 | 7,479.6 | 588.9 | -338.3 | 0.29 | -0.14 | 11.56 | 2.1 | -9.7 | | |
| 7,653.0 | 1.14 | 266.28 | 7,573.6 | 588.7 | -340.3 | 0.14 | -0.10 | 5.05 | -0.6 | -9.8 | | |



Final PVA

| | | | |
|------------------|------------------------------|-------------------------------------|---------------------------------------|
| Company: | Midland | Local Co-ordinate Reference: | Well #727H |
| Project: | Eddy County, NM (NAD 83 NME) | TVD Reference: | KB = 25' @ 3101.0usft (Patterson 885) |
| Site: | Sherpa 12 State Com | MD Reference: | KB = 25' @ 3101.0usft (Patterson 885) |
| Well: | #727H | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | PEDM |

| Survey | | | | | | | | | | | |
|--|---------|-------------------|------------|------------|------------|------------------|-------------------|------------------|---------------------|----------------------|--|
| MD (usft) | Inc (°) | Azi (azimuth) (°) | TVD (usft) | N/S (usft) | E/W (usft) | DLeg (°/100usft) | Build (°/100usft) | Turn (°/100usft) | High to Plan (usft) | Right to Plan (usft) | |
| 7,748.0 | 1.36 | 245.54 | 7,668.6 | 588.2 | -342.2 | 0.53 | 0.23 | -21.83 | 0.9 | -9.7 | |
| 7,843.0 | 1.32 | 240.09 | 7,763.5 | 587.2 | -344.2 | 0.14 | -0.04 | -5.74 | -0.4 | -9.7 | |
| 7,937.0 | 1.01 | 256.79 | 7,857.5 | 586.4 | -345.9 | 0.49 | -0.33 | 17.77 | -5.1 | -8.8 | |
| 8,032.0 | 1.27 | 240.88 | 7,952.5 | 585.7 | -347.7 | 0.43 | 0.27 | -16.75 | -4.3 | -10.1 | |
| 8,126.0 | 1.23 | 248.17 | 8,046.5 | 584.9 | -349.5 | 0.17 | -0.04 | 7.76 | -7.6 | -9.4 | |
| 8,221.0 | 1.10 | 240.70 | 8,141.4 | 584.0 | -351.3 | 0.21 | -0.14 | -7.86 | -8.2 | -10.4 | |
| 8,315.0 | 1.01 | 246.42 | 8,235.4 | 583.3 | -352.8 | 0.15 | -0.10 | 6.09 | -11.0 | -9.4 | |
| 8,410.0 | 0.57 | 165.82 | 8,330.4 | 582.5 | -353.5 | 1.13 | -0.46 | -84.84 | 6.9 | -13.2 | |
| 8,504.0 | 0.18 | 152.64 | 8,424.4 | 581.9 | -353.3 | 0.42 | -0.41 | -14.02 | 9.1 | -11.4 | |
| 8,599.0 | 0.62 | 115.02 | 8,519.4 | 581.5 | -352.7 | 0.52 | 0.46 | -39.60 | 13.5 | -3.5 | |
| 8,691.0 | 0.57 | 152.02 | 8,611.4 | 580.9 | -352.1 | 0.41 | -0.05 | 40.22 | 7.8 | -10.7 | |
| 8,760.0 | 0.79 | 227.96 | 8,680.4 | 580.3 | -352.3 | 1.24 | 0.32 | 110.06 | -9.0 | -9.9 | |
| 8,855.0 | 1.23 | 233.32 | 8,775.4 | 579.3 | -353.6 | 0.47 | 0.46 | 5.64 | -11.5 | -8.9 | |
| 8,945.0 | 2.69 | 191.62 | 8,865.3 | 576.6 | -354.8 | 2.17 | 1.62 | -46.33 | -5.5 | -15.0 | |
| KOP (MD=8945.0') | | | | | | | | | | | |
| 8,949.0 | 2.77 | 190.87 | 8,869.3 | 576.4 | -354.8 | 2.17 | 1.98 | -18.81 | -5.5 | -15.0 | |
| 9,044.0 | 22.46 | 174.96 | 8,961.6 | 555.9 | -353.6 | 20.85 | 20.73 | -16.75 | -13.9 | -16.1 | |
| 9,138.0 | 32.70 | 176.28 | 9,044.8 | 512.5 | -350.4 | 10.91 | 10.89 | 1.40 | -32.9 | -13.8 | |
| 9,233.0 | 38.77 | 176.81 | 9,121.9 | 457.2 | -347.1 | 6.40 | 6.39 | 0.56 | -45.5 | -10.6 | |
| 9,328.0 | 43.78 | 179.36 | 9,193.3 | 394.6 | -345.1 | 5.56 | 5.27 | 2.68 | -46.6 | -7.2 | |
| 9,422.0 | 52.57 | 182.52 | 9,255.9 | 324.6 | -346.3 | 9.68 | 9.35 | 3.36 | -38.4 | -7.7 | |
| 9,453.2 | 55.57 | 181.69 | 9,274.2 | 299.4 | -347.3 | 9.85 | 9.60 | -2.67 | -34.3 | -9.2 | |
| HL Crossing, MD:9453.2', TVD:9274.2',N/S:299.4', E/W:-347.3', INC:55.57 | | | | | | | | | | | |
| 9,517.0 | 61.71 | 180.15 | 9,307.4 | 244.9 | -348.1 | 9.85 | 9.63 | -2.41 | -24.2 | -10.9 | |
| 9,612.0 | 66.11 | 180.32 | 9,349.2 | 159.6 | -348.5 | 4.63 | 4.63 | 0.18 | -2.2 | -11.6 | |
| 9,706.0 | 80.57 | 180.94 | 9,376.0 | 69.8 | -349.5 | 15.40 | 15.38 | 0.66 | 21.3 | -13.2 | |
| 9,801.0 | 90.99 | 182.08 | 9,383.0 | -24.7 | -352.0 | 11.03 | 10.97 | 1.20 | 29.3 | -16.0 | |



Final PVA

| | | | |
|------------------|------------------------------|-------------------------------------|---------------------------------------|
| Company: | Midland | Local Co-ordinate Reference: | Well #727H |
| Project: | Eddy County, NM (NAD 83 NME) | TVD Reference: | KB = 25' @ 3101.0usft (Patterson 885) |
| Site: | Sherpa 12 State Com | MD Reference: | KB = 25' @ 3101.0usft (Patterson 885) |
| Well: | #727H | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | PEDM |

| Survey | | | | | | | | | | | | |
|-----------|---------|-------------------|------------|------------|------------|------------------|-------------------|------------------|---------------------|----------------------|--|--|
| MD (usft) | Inc (°) | Azi (azimuth) (°) | TVD (usft) | N/S (usft) | E/W (usft) | DLeg (°/100usft) | Build (°/100usft) | Turn (°/100usft) | High to Plan (usft) | Right to Plan (usft) | | |
| 9,896.0 | 90.73 | 182.52 | 9,381.6 | -119.7 | -355.8 | 0.54 | -0.27 | 0.46 | 28.8 | -20.3 | | |
| 9,991.0 | 89.23 | 176.90 | 9,381.6 | -214.6 | -355.3 | 6.12 | -1.58 | -5.92 | 29.7 | -20.3 | | |
| 10,085.0 | 88.40 | 176.81 | 9,383.6 | -308.4 | -350.1 | 0.89 | -0.88 | -0.10 | 32.6 | -15.6 | | |
| 10,180.0 | 86.73 | 175.23 | 9,387.6 | -403.1 | -343.6 | 2.42 | -1.76 | -1.66 | 37.5 | -9.5 | | |
| 10,275.0 | 89.36 | 178.30 | 9,390.9 | -497.9 | -338.2 | 4.25 | 2.77 | 3.23 | 41.7 | -4.7 | | |
| 10,370.0 | 92.70 | 181.11 | 9,389.1 | -592.9 | -337.7 | 4.59 | 3.52 | 2.96 | 40.9 | -4.6 | | |
| 10,465.0 | 92.62 | 180.59 | 9,384.7 | -687.7 | -339.1 | 0.55 | -0.08 | -0.55 | 37.4 | -6.5 | | |
| 10,560.0 | 92.26 | 179.80 | 9,380.7 | -782.7 | -339.4 | 0.91 | -0.38 | -0.83 | 34.3 | -7.3 | | |
| 10,654.0 | 89.10 | 177.95 | 9,379.6 | -876.6 | -337.6 | 3.90 | -3.36 | -1.97 | 34.1 | -6.0 | | |
| 10,749.0 | 89.76 | 175.66 | 9,380.5 | -971.5 | -332.3 | 2.51 | 0.69 | -2.41 | 35.9 | -1.2 | | |
| 10,844.0 | 87.38 | 178.30 | 9,382.9 | -1,066.3 | -327.3 | 3.74 | -2.51 | 2.78 | 39.2 | 3.4 | | |
| 10,939.0 | 89.85 | 178.65 | 9,385.2 | -1,161.2 | -324.8 | 2.63 | 2.60 | 0.37 | 42.4 | 5.4 | | |
| 11,033.0 | 92.04 | 180.15 | 9,383.6 | -1,255.2 | -323.8 | 2.82 | 2.33 | 1.60 | 41.8 | 5.9 | | |
| 11,128.0 | 91.52 | 179.88 | 9,380.7 | -1,350.1 | -323.8 | 0.62 | -0.55 | -0.28 | 39.8 | 5.4 | | |
| 11,222.0 | 92.79 | 180.50 | 9,377.2 | -1,444.1 | -324.1 | 1.50 | 1.35 | 0.66 | 37.1 | 4.6 | | |
| 11,317.0 | 90.90 | 180.67 | 9,374.1 | -1,539.0 | -325.1 | 2.00 | -1.99 | 0.18 | 35.0 | 3.2 | | |
| 11,412.0 | 90.81 | 179.80 | 9,372.7 | -1,634.0 | -325.5 | 0.92 | -0.09 | -0.92 | 34.5 | 2.3 | | |
| 11,507.0 | 91.12 | 181.03 | 9,371.1 | -1,729.0 | -326.2 | 1.34 | 0.33 | 1.29 | 33.8 | 1.1 | | |
| 11,601.0 | 85.80 | 179.62 | 9,373.6 | -1,822.9 | -326.7 | 5.85 | -5.66 | -1.50 | 37.3 | 0.1 | | |
| 11,696.0 | 88.31 | 179.44 | 9,378.5 | -1,917.8 | -325.9 | 2.65 | 2.64 | -0.19 | 43.1 | 0.4 | | |
| 11,791.0 | 88.79 | 180.15 | 9,380.9 | -2,012.7 | -325.6 | 0.90 | 0.51 | 0.75 | 46.4 | 0.3 | | |
| 11,885.0 | 90.81 | 179.88 | 9,381.2 | -2,106.7 | -325.6 | 2.17 | 2.15 | -0.29 | 47.6 | -0.2 | | |
| 11,980.0 | 90.73 | 180.06 | 9,379.9 | -2,201.7 | -325.6 | 0.21 | -0.08 | 0.19 | 47.3 | -0.7 | | |
| 12,075.0 | 89.98 | 179.00 | 9,379.3 | -2,296.7 | -324.8 | 1.37 | -0.79 | -1.12 | 47.6 | -0.4 | | |
| 12,169.0 | 93.14 | 179.09 | 9,376.8 | -2,390.7 | -323.2 | 3.36 | 3.36 | 0.10 | 46.0 | 0.7 | | |
| 12,264.0 | 91.65 | 179.62 | 9,372.8 | -2,485.6 | -322.2 | 1.66 | -1.57 | 0.56 | 42.9 | 1.3 | | |
| 12,359.0 | 91.69 | 177.51 | 9,370.1 | -2,580.5 | -319.8 | 2.22 | 0.04 | -2.22 | 41.1 | 3.2 | | |



Final PVA

Company: Midland
Project: Eddy County, NM (NAD 83 NME)
Site: Sherpa 12 State Com
Well: #727H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well #727H
TVD Reference: KB = 25' @ 3101.0usft (Patterson 885)
MD Reference: KB = 25' @ 3101.0usft (Patterson 885)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: PEDM

| Survey | | | | | | | | | | | | |
|-----------|---------|-------------------|------------|------------|------------|------------------|-------------------|------------------|---------------------|----------------------|--|--|
| MD (usft) | Inc (°) | Azi (azimuth) (°) | TVD (usft) | N/S (usft) | E/W (usft) | DLeg (°/100usft) | Build (°/100usft) | Turn (°/100usft) | High to Plan (usft) | Right to Plan (usft) | | |
| 12,454.0 | 91.03 | 176.37 | 9,367.8 | -2,675.3 | -314.7 | 1.39 | -0.69 | -1.20 | 39.7 | 7.8 | | |
| 12,548.0 | 88.00 | 178.04 | 9,368.6 | -2,769.2 | -310.1 | 3.68 | -3.22 | 1.78 | 41.4 | 11.9 | | |
| 12,643.0 | 88.88 | 177.42 | 9,371.2 | -2,864.1 | -306.4 | 1.13 | 0.93 | -0.65 | 44.9 | 15.2 | | |
| 12,738.0 | 89.85 | 177.42 | 9,372.2 | -2,959.0 | -302.1 | 1.02 | 1.02 | 0.00 | 46.9 | 19.0 | | |
| 12,833.0 | 95.03 | 182.26 | 9,368.2 | -3,053.8 | -301.8 | 7.46 | 5.45 | 5.09 | 43.8 | 18.9 | | |
| 12,928.0 | 91.78 | 181.29 | 9,362.5 | -3,148.6 | -304.7 | 3.57 | -3.42 | -1.02 | 39.1 | 15.4 | | |
| 13,022.0 | 89.32 | 180.06 | 9,361.6 | -3,242.6 | -305.9 | 2.93 | -2.62 | -1.31 | 39.1 | 13.8 | | |
| 13,117.0 | 86.20 | 178.92 | 9,365.4 | -3,337.5 | -305.0 | 3.50 | -3.28 | -1.20 | 43.8 | 14.2 | | |
| 13,212.0 | 87.78 | 178.74 | 9,370.3 | -3,432.4 | -303.1 | 1.67 | 1.66 | -0.19 | 49.7 | 15.6 | | |
| 13,307.0 | 91.43 | 179.97 | 9,371.0 | -3,527.3 | -302.0 | 4.05 | 3.84 | 1.29 | 51.3 | 16.2 | | |
| 13,402.0 | 94.20 | 181.99 | 9,366.3 | -3,622.2 | -303.6 | 3.61 | 2.92 | 2.13 | 47.6 | 14.1 | | |
| 13,497.0 | 93.32 | 182.70 | 9,360.1 | -3,716.9 | -307.5 | 1.19 | -0.93 | 0.75 | 42.3 | 9.8 | | |
| 13,505.0 | 93.36 | 182.61 | 9,359.6 | -3,724.9 | -307.9 | 1.23 | 0.50 | -1.12 | 42.0 | 9.3 | | |
| 13,599.0 | 89.76 | 181.20 | 9,357.1 | -3,818.8 | -311.0 | 4.11 | -3.83 | -1.50 | 40.3 | 5.7 | | |
| 13,695.0 | 88.62 | 180.85 | 9,358.4 | -3,914.7 | -312.7 | 1.24 | -1.19 | -0.36 | 42.7 | 3.5 | | |
| 13,790.0 | 86.33 | 178.92 | 9,362.6 | -4,009.6 | -312.5 | 3.15 | -2.41 | -2.03 | 47.8 | 3.2 | | |
| 13,885.0 | 88.44 | 179.62 | 9,367.0 | -4,104.5 | -311.3 | 2.34 | 2.22 | 0.74 | 53.1 | 4.0 | | |
| 13,979.0 | 89.93 | 180.15 | 9,368.3 | -4,198.5 | -311.1 | 1.68 | 1.59 | 0.56 | 55.3 | 3.7 | | |
| 14,074.0 | 92.44 | 181.20 | 9,366.3 | -4,293.5 | -312.2 | 2.86 | 2.64 | 1.11 | 54.3 | 2.1 | | |
| 14,170.0 | 90.02 | 180.41 | 9,364.3 | -4,389.4 | -313.6 | 2.65 | -2.52 | -0.82 | 53.2 | 0.2 | | |
| 14,264.0 | 87.38 | 179.88 | 9,366.4 | -4,483.4 | -313.8 | 2.86 | -2.81 | -0.56 | 56.3 | -0.5 | | |
| 14,360.0 | 89.89 | 179.80 | 9,368.7 | -4,579.4 | -313.6 | 2.62 | 2.61 | -0.08 | 59.5 | -0.7 | | |
| 14,454.0 | 91.69 | 181.47 | 9,367.4 | -4,673.3 | -314.6 | 2.61 | 1.91 | 1.78 | 59.2 | -2.2 | | |
| 14,549.0 | 89.19 | 177.42 | 9,366.7 | -4,768.3 | -313.7 | 5.01 | -2.63 | -4.26 | 59.4 | -1.8 | | |
| 14,644.0 | 89.41 | 176.02 | 9,367.8 | -4,863.1 | -308.2 | 1.49 | 0.23 | -1.47 | 61.5 | 3.1 | | |
| 14,738.0 | 88.66 | 176.28 | 9,369.4 | -4,956.9 | -301.9 | 0.84 | -0.80 | 0.28 | 64.0 | 9.0 | | |
| 14,833.0 | 91.65 | 176.98 | 9,369.1 | -5,051.7 | -296.4 | 3.23 | 3.15 | 0.74 | 64.7 | 14.1 | | |



Final PVA

| | | | |
|------------------|------------------------------|-------------------------------------|---------------------------------------|
| Company: | Midland | Local Co-ordinate Reference: | Well #727H |
| Project: | Eddy County, NM (NAD 83 NME) | TVD Reference: | KB = 25' @ 3101.0usft (Patterson 885) |
| Site: | Sherpa 12 State Com | MD Reference: | KB = 25' @ 3101.0usft (Patterson 885) |
| Well: | #727H | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | PEDM |

| Survey | | | | | | | | | | | | |
|-----------|---------|-------------------|------------|------------|------------|------------------|-------------------|------------------|---------------------|----------------------|--|--|
| MD (usft) | Inc (°) | Azi (azimuth) (°) | TVD (usft) | N/S (usft) | E/W (usft) | DLeg (°/100usft) | Build (°/100usft) | Turn (°/100usft) | High to Plan (usft) | Right to Plan (usft) | | |
| 14,928.0 | 89.23 | 176.28 | 9,368.4 | -5,146.6 | -290.8 | 2.65 | -2.55 | -0.74 | 65.0 | 19.2 | | |
| 15,022.0 | 91.65 | 178.65 | 9,367.7 | -5,240.5 | -286.6 | 3.60 | 2.57 | 2.52 | 65.2 | 22.9 | | |
| 15,116.0 | 90.46 | 179.27 | 9,366.0 | -5,334.4 | -284.9 | 1.43 | -1.27 | 0.66 | 64.4 | 24.1 | | |
| 15,211.0 | 93.32 | 181.20 | 9,362.8 | -5,429.4 | -285.3 | 3.63 | 3.01 | 2.03 | 62.2 | 23.3 | | |
| 15,306.0 | 93.67 | 180.41 | 9,357.0 | -5,524.2 | -286.6 | 0.91 | 0.37 | -0.83 | 57.3 | 21.5 | | |
| 15,400.0 | 92.79 | 181.91 | 9,351.7 | -5,618.0 | -288.5 | 1.85 | -0.94 | 1.60 | 53.0 | 19.1 | | |
| 15,495.0 | 91.03 | 181.11 | 9,348.6 | -5,712.9 | -291.0 | 2.03 | -1.85 | -0.84 | 50.8 | 16.1 | | |
| 15,590.0 | 88.66 | 180.41 | 9,348.8 | -5,807.9 | -292.3 | 2.60 | -2.49 | -0.74 | 52.0 | 14.4 | | |
| 15,684.0 | 88.57 | 180.24 | 9,351.1 | -5,901.9 | -292.8 | 0.20 | -0.10 | -0.18 | 55.2 | 13.4 | | |
| 15,779.0 | 88.53 | 180.50 | 9,353.5 | -5,996.8 | -293.4 | 0.28 | -0.04 | 0.27 | 58.5 | 12.3 | | |
| 15,874.0 | 86.37 | 179.80 | 9,357.7 | -6,091.7 | -293.7 | 2.39 | -2.27 | -0.74 | 63.8 | 11.6 | | |
| 15,968.0 | 90.77 | 181.73 | 9,360.1 | -6,185.7 | -294.9 | 5.11 | 4.68 | 2.05 | 67.2 | 9.8 | | |
| 16,063.0 | 90.07 | 183.14 | 9,359.4 | -6,280.6 | -299.0 | 1.66 | -0.74 | 1.48 | 67.5 | 5.3 | | |
| 16,158.0 | 93.36 | 185.24 | 9,356.5 | -6,375.3 | -305.9 | 4.11 | 3.46 | 2.21 | 65.7 | -2.1 | | |
| 16,252.0 | 90.11 | 181.64 | 9,353.7 | -6,469.0 | -311.5 | 5.16 | -3.46 | -3.83 | 63.9 | -8.2 | | |
| 16,347.0 | 90.42 | 187.62 | 9,353.3 | -6,563.7 | -319.2 | 6.30 | 0.33 | 6.29 | 64.5 | -16.2 | | |
| 16,442.0 | 90.77 | 181.91 | 9,352.3 | -6,658.3 | -327.1 | 6.02 | 0.37 | -6.01 | 64.5 | -24.7 | | |
| 16,537.0 | 90.29 | 178.30 | 9,351.4 | -6,753.3 | -327.3 | 3.83 | -0.51 | -3.80 | 64.7 | -25.4 | | |
| 16,632.0 | 91.69 | 180.15 | 9,349.7 | -6,848.2 | -326.0 | 2.44 | 1.47 | 1.95 | 64.1 | -24.6 | | |
| 16,726.0 | 88.18 | 174.79 | 9,349.9 | -6,942.1 | -321.8 | 6.82 | -3.73 | -5.70 | 65.2 | -20.9 | | |
| 16,821.0 | 92.88 | 172.59 | 9,349.0 | -7,036.5 | -311.4 | 5.46 | 4.95 | -2.32 | 65.3 | -11.0 | | |
| 16,916.0 | 94.15 | 175.58 | 9,343.1 | -7,130.8 | -301.6 | 3.41 | 1.34 | 3.15 | 60.5 | -1.7 | | |
| 17,010.0 | 91.43 | 177.77 | 9,338.6 | -7,224.5 | -296.2 | 3.71 | -2.89 | 2.33 | 57.0 | 3.3 | | |
| 17,034.0 | 91.08 | 177.25 | 9,338.0 | -7,248.5 | -295.1 | 2.61 | -1.46 | -2.17 | 56.7 | 4.2 | | |
| 17,106.0 | 86.90 | 179.00 | 9,339.3 | -7,320.4 | -292.8 | 6.29 | -5.81 | 2.43 | 58.8 | 6.2 | | |
| 17,200.0 | 88.26 | 179.53 | 9,343.3 | -7,414.3 | -291.6 | 1.55 | 1.45 | 0.56 | 63.8 | 6.9 | | |
| 17,295.0 | 90.51 | 179.27 | 9,344.3 | -7,509.3 | -290.6 | 2.38 | 2.37 | -0.27 | 65.8 | 7.4 | | |



Final PVA

| | | | |
|------------------|------------------------------|-------------------------------------|---------------------------------------|
| Company: | Midland | Local Co-ordinate Reference: | Well #727H |
| Project: | Eddy County, NM (NAD 83 NME) | TVD Reference: | KB = 25' @ 3101.0usft (Patterson 885) |
| Site: | Sherpa 12 State Com | MD Reference: | KB = 25' @ 3101.0usft (Patterson 885) |
| Well: | #727H | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | PEDM |

| Survey | | | | | | | | | | | |
|--|---------|-------------------|------------|------------|------------|------------------|-------------------|------------------|---------------------|----------------------|--|
| MD (usft) | Inc (°) | Azi (azimuth) (°) | TVD (usft) | N/S (usft) | E/W (usft) | DLeg (°/100usft) | Build (°/100usft) | Turn (°/100usft) | High to Plan (usft) | Right to Plan (usft) | |
| 17,389.0 | 88.88 | 180.32 | 9,344.8 | -7,603.3 | -290.3 | 2.06 | -1.73 | 1.12 | 67.3 | 7.3 | |
| 17,484.0 | 91.03 | 181.91 | 9,344.9 | -7,698.3 | -292.1 | 2.81 | 2.26 | 1.67 | 68.4 | 5.0 | |
| 17,578.0 | 87.65 | 181.99 | 9,346.0 | -7,792.2 | -295.3 | 3.60 | -3.60 | 0.09 | 70.5 | 1.3 | |
| 17,673.0 | 90.33 | 183.84 | 9,347.6 | -7,887.0 | -300.1 | 3.43 | 2.82 | 1.95 | 73.3 | -4.0 | |
| 17,768.0 | 86.46 | 182.26 | 9,350.3 | -7,981.9 | -305.2 | 4.40 | -4.07 | -1.66 | 77.0 | -9.5 | |
| 17,863.0 | 85.23 | 180.06 | 9,357.2 | -8,076.6 | -307.1 | 2.65 | -1.29 | -2.32 | 84.9 | -12.0 | |
| 17,958.0 | 84.57 | 179.00 | 9,365.6 | -8,171.2 | -306.3 | 1.31 | -0.69 | -1.12 | 94.3 | -11.7 | |
| 18,050.0 | 87.60 | 178.57 | 9,371.9 | -8,263.0 | -304.4 | 3.33 | 3.29 | -0.47 | 101.6 | -10.2 | |
| 18,145.0 | 90.73 | 178.30 | 9,373.3 | -8,357.9 | -301.8 | 3.31 | 3.29 | -0.28 | 104.0 | -8.1 | |
| 18,239.0 | 90.24 | 177.07 | 9,372.5 | -8,451.8 | -298.0 | 1.41 | -0.52 | -1.31 | 104.3 | -4.8 | |
| 18,334.0 | 92.84 | 178.48 | 9,369.9 | -8,546.7 | -294.3 | 3.11 | 2.74 | 1.48 | 102.7 | -1.6 | |
| 18,428.0 | 94.11 | 178.30 | 9,364.2 | -8,640.5 | -291.7 | 1.36 | 1.35 | -0.19 | 98.1 | 0.6 | |
| 18,523.0 | 93.27 | 178.04 | 9,358.1 | -8,735.2 | -288.6 | 0.93 | -0.88 | -0.27 | 93.0 | 3.1 | |
| 18,618.0 | 92.88 | 176.81 | 9,353.0 | -8,830.0 | -284.4 | 1.36 | -0.41 | -1.29 | 88.9 | 6.9 | |
| 18,712.0 | 90.02 | 179.71 | 9,350.7 | -8,923.9 | -281.5 | 4.33 | -3.04 | 3.09 | 87.6 | 9.3 | |
| 18,807.0 | 88.92 | 178.65 | 9,351.5 | -9,018.9 | -280.2 | 1.61 | -1.16 | -1.12 | 89.5 | 10.2 | |
| 18,901.0 | 88.53 | 179.00 | 9,353.6 | -9,112.9 | -278.2 | 0.56 | -0.41 | 0.37 | 92.6 | 11.7 | |
| 18,996.0 | 89.41 | 178.21 | 9,355.3 | -9,207.8 | -275.9 | 1.24 | 0.93 | -0.83 | 95.3 | 13.5 | |
| 19,090.0 | 92.09 | 178.83 | 9,354.1 | -9,301.8 | -273.5 | 2.93 | 2.85 | 0.66 | 95.1 | 15.4 | |
| 19,185.0 | 92.75 | 178.83 | 9,350.1 | -9,396.7 | -271.6 | 0.69 | 0.69 | 0.00 | 92.2 | 16.9 | |
| 19,279.0 | 91.96 | 178.48 | 9,346.2 | -9,490.5 | -269.4 | 0.92 | -0.84 | -0.37 | 89.3 | 18.6 | |
| 19,374.0 | 90.24 | 176.98 | 9,344.4 | -9,585.4 | -265.6 | 2.40 | -1.81 | -1.58 | 88.5 | 21.8 | |
| 19,400.0 | 90.42 | 178.13 | 9,344.3 | -9,611.4 | -264.5 | 4.48 | 0.69 | 4.42 | 88.7 | 22.9 | |
| Final MWD Survey (MD=19400.0') | | | | | | | | | | | |
| 19,455.0 | 90.42 | 178.13 | 9,343.9 | -9,666.4 | -262.7 | 0.00 | 0.00 | 0.00 | 88.9 | 24.4 | |
| Final Projection to Bit (MD=19455.0') | | | | | | | | | | | |



Final PVA

| | | | |
|------------------|------------------------------|-------------------------------------|---------------------------------------|
| Company: | Midland | Local Co-ordinate Reference: | Well #727H |
| Project: | Eddy County, NM (NAD 83 NME) | TVD Reference: | KB = 25' @ 3101.0usft (Patterson 885) |
| Site: | Sherpa 12 State Com | MD Reference: | KB = 25' @ 3101.0usft (Patterson 885) |
| Well: | #727H | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | PEDM |

| Design Annotations | | | | |
|-----------------------|-----------------------|-------------------|--------------|---|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | Comment |
| | | +N/-S (usft) | +E/-W (usft) | |
| 8,945.0 | 8,865.3 | 576.6 | -354.8 | KOP (MD=8945.0') |
| 9,453.2 | 9,274.2 | 299.4 | -347.3 | HL Crossing, MD:9453.2', TVD:9274.2',N/S:299.4', E/W:-347.3', INC:55.57 |
| 19,400.0 | 9,344.3 | -9,611.4 | -264.5 | Final MWD Survey (MD=19400.0') |
| 19,455.0 | 9,343.9 | -9,666.4 | -262.7 | Final Projection to Bit (MD=19455.0') |

Checked By: _____ Approved By: _____ Date: _____

Intent As Drilled

API #

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

Kick Off Point (KOP)

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

First Take Point (FTP)

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

Last Take Point (LTP)

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

Is this well the defining well for the Horizontal Spacing Unit?

Is this well an infill well?

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

API #

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

KZ 06/29/2018

Submit Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-015-49917
5. Indicate Type of Lease STATE [X] FEE []
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name SHERPA 12 STATE COM
8. Well Number 727H
9. OGRID Number 7377
10. Pool name or Wildcat Purple Sage; Wolfcamp (Gas)

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)
1. Type of Well: Oil Well [] Gas Well [X] Other []
2. Name of Operator EOG RESOURCES, INC
3. Address of Operator 5509 Champions Dr, Midland, TX 79706
4. Well Location Unit Letter A : 631' feet from the NORTH line and 1313' feet from the EAST line
Section 12 Township 25S Range 27E NMPM County EDDY
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3076'

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:
PERFORM REMEDIAL WORK [] PLUG AND ABANDON []
TEMPORARILY ABANDON [] CHANGE PLANS []
PULL OR ALTER CASING [] MULTIPLE COMPL []
DOWNHOLE COMMINGLE []
CLOSED-LOOP SYSTEM []
OTHER: []
SUBSEQUENT REPORT OF:
REMEDIAL WORK [] ALTERING CASING []
COMMENCE DRILLING OPNS. [] P AND A []
CASING/CEMENT JOB []
OTHER: COMPLETION [X]

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

11/08/2022 Rig released
11/30/2022 Test void to 5000 psi, seals & flanges to 8500 psi
02/13/2023 Begin perf & frac
03/03/2023 Finish 33 stages perf & frac, 9,670'-19,432' 1962 3 1/8" shots 25,215,340 lbs proppant + 474,360 bbls load fluid
03/12/2023 Drilled out plugs and clean out wellbore
04/01/2023 Opened well to flowback - Date of First Production

Spud Date: 09/28/2022

Rig Release Date: 11/08/2022

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Kristina Agee TITLE REGULATORY SPECIALIST DATE 4/18/2023

Type or print name Kristina Agee E-mail address: kristina_agee@eogresources.com PHONE: (432)686-6996

For State Use Only

APPROVED BY: TITLE DATE

Conditions of Approval (if any):

| | | | | | | | | | | |
|--|--|---|---|----------------------------------|--|---|--------------------------------|--|---------------|---------------|
| Submit To Appropriate District Office Two Copies District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 | | State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 | | | | Form C-105 Revised August 1, 2011 | | | | |
| | | 1. WELL API NO. | | 30-025-49917 | | 2. Type of Lease | | <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/> FED/INDIAN | | |
| | | 3. State Oil & Gas Lease No. | | | | 4. Reason for filing: | | 5. Lease Name or Unit Agreement Name | | |
| | | <input checked="" type="checkbox"/> COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) | | | | <input type="checkbox"/> C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC) | | SHERPA 12 STATE COM 6. Well Number: 727H | | |
| 7. Type of Completion: | | <input checked="" type="checkbox"/> NEW WELL <input type="checkbox"/> WORKOVER <input type="checkbox"/> DEEPENING <input type="checkbox"/> PLUGBACK <input type="checkbox"/> DIFFERENT RESERVOIR <input type="checkbox"/> OTHER | | | | 8. Name of Operator | | 9. OGRID | | |
| | | | | | | EOG RESOURCES INC | | 7377 | | |
| 10. Address of Operator | | 11. Pool name or Wildcat | | Purple Sage; Wolfcamp (Gas) | | 12. Location | | 13. Date Spudded | | |
| PO BOX 2267 MIDLAND, TEXAS 79702 | | | | | | Unit Ltr Section Township Range Lot Feet from the N/S Line Feet from the E/W Line County Surface: A 12 25S 27E 631' NORTH 1313' EAST EDDY BH: O 13 25S 27E 339' SOUTH 1626' EAST EDDY | | 9/28/2022 14. Date T.D. Reached 11/06/2022 15. Date Rig Released 11/08/2022 16. Date Completed (Ready to Produce) 4/1/2023 17. Elevations (DF and RKB, RT, GR, etc.) 3076'GL | | |
| 18. Total Measured Depth of Well | | 19. Plug Back Measured Depth | | 20. Was Directional Survey Made? | | 21. Type Electric and Other Logs Run | | | | |
| MD 19,455' TVD 9,343' | | MD 19,432' TVD 9,343' | | YES | | None | | | | |
| 22. Producing Interval(s), of this completion - Top, Bottom, Name | | WOLFCAMP- 9,670'-19,432' | | | | | | | | |
| 23. CASING RECORD (Report all strings set in well) | | | | | | | | | | |
| CASING SIZE | | WEIGHT LB./FT. | | DEPTH SET | | HOLE SIZE | | CEMENTING RECORD | | AMOUNT PULLED |
| 9 5/8" | | 36# J-55 | | 1,022' | | 12 1/4" | | 635 CL C/CIRC | | |
| 7 5/8" | | 29.7# HCP110 | | 8,754' | | 8 3/4" | | 1235 H&C/CIRC | | |
| 5 1/2" | | 20# ICYP110 | | 19,440' | | 6 3/4" | | 1015 CL H/CIRC | | |
| 24. LINER RECORD | | | | | 25. TUBING RECORD | | | | | |
| SIZE | | TOP | | BOTTOM | | SACKS CEMENT | | SCREEN | | PACKER SET |
| | | | | | | | | | | |
| 26. Perforation record (interval, size, and number) | | | | | 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. | | | | | |
| 9,670'-19,432' 3 1/8", 1962 Holes | | | | | DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED | | | | | |
| | | | | | 9,670'-19,432' FRAC W/25,215,340 Lbs proppant, 474,360 bbls load fld | | | | | |
| 28. PRODUCTION | | | | | | | | | | |
| Date First Production | | | Production Method (Flowing, gas lift, pumping - Size and type pump) | | | | Well Status (Prod. or Shut-in) | | | |
| 4/1/2023 | | | Flowing | | | | Producing | | | |
| Date of Test | | Hours Tested | | Choke Size | | Prod'n For Test Period | | Oil - Bbl | | Gas - MCF |
| 4/12/2023 | | 24 | | 50 | | | | 2263 | | 3671 |
| | | | | | | | | 9878 | | 1622 |
| Flow Tubing Press. | | Casing Pressure | | Calculated 24-Hour Rate | | Oil - Bbl. | | Gas - MCF | | Water - Bbl. |
| | | 1066 | | | | | | | | 46 |
| 29. Disposition of Gas (Sold, used for fuel, vented, etc.) | | | | | | | | 30. Test Witnessed By | | |
| SOLD | | | | | | | | | | |
| 31. List Attachments | | | | | | | | | | |
| C-102, C-104, C-103, Directional Survey, H spacing, Gas capture | | | | | | | | | | |
| 32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit. | | | | | | | | | | |
| 33. If an on-site burial was used at the well, report the exact location of the on-site burial: | | | | | | | | | | |
| | | | Latitude | | | Longitude | | | NAD 1927 1983 | |
| I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief | | | | | | | | | | |
| Signature | | Printed Name | | Title | | Date | | | | |
| Kristina Agee | | Kristina Agee | | REGULATORY SPECIALIST | | 4/19/2023 | | | | |
| E-mail Address | | kristina_agee@eogresources.com | | | | | | | | |

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

| Southeastern New Mexico | | Northwestern New Mexico | |
|-----------------------------|-------------------------------|-------------------------|------------------|
| T. Anhy <u>Rustler 816'</u> | T. Canyon <u>Brushy 4344'</u> | T. Ojo Alamo | T. Penn A" |
| T. Salt | T. Strawn | T. Kirtland | T. Penn. "B" |
| B. Salt <u>2194'</u> | T. Atoka | T. Fruitland | T. Penn. "C" |
| T. Yates | T. Miss | T. Pictured Cliffs | T. Penn. "D" |
| T. 7 Rivers | T. Devonian | T. Cliff House | T. Leadville |
| T. Queen | T. Silurian | T. Menefee | T. Madison |
| T. Grayburg | T. Montoya | T. Point Lookout | T. Elbert |
| T. San Andres | T. Simpson | T. Mancos | T. McCracken |
| T. Glorieta | T. McKee | T. Gallup | T. Ignacio Otzte |
| T. Paddock | T. Ellenburger | Base Greenhorn | T. Granite |
| T. Blinebry | T. Gr. Wash | T. Dakota | |
| T. Tubb | T. Delaware Sand | T. Morrison | |
| T. Drinkard | T. Bone Springs <u>6917'</u> | T. Todilto | |
| T. Abo | T. | T. Entrada | |
| T. Wolfcamp <u>9338'</u> | T. | T. Wingate | |
| T. Penn | T. | T. Chinle | |
| T. Cisco (Bough C) | T. | T. Permian | |

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....
 No. 2, from.....to.....
 No. 3, from.....to.....
 No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

| From | To | Thickness In Feet | Lithology | From | To | Thickness In Feet | Lithology |
|------|----|-------------------|-----------|------|----|-------------------|-----------|
| | | | | | | | |

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

ACKNOWLEDGMENTS

Action 209139

ACKNOWLEDGMENTS

| | |
|---|--|
| Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706 | OGRID: 7377 |
| | Action Number: 209139 |
| | Action Type: [C-104] Completion Packet (C-104C) |

ACKNOWLEDGMENTS

| | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion. |
| <input checked="" type="checkbox"/> | I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion. |

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 209139

CONDITIONS

| | |
|---|--|
| Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706 | OGRID: 7377 |
| | Action Number: 209139 |
| | Action Type: [C-104] Completion Packet (C-104C) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|-----------|----------------|
| plmartinez | None | 2/24/2026 |