District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

☐ **AMENDED REPORT**

# WELL LOCATION AND ACREAGE DEDICATION PLAT

| [1]API Number | [2]Pool Code | [3]Pool Name |
|---|---|---|
| 30-025-46610 | 97964 | WC025 G07 S243225C; LOWER BONE SPRING |

| [4]Property Code | [5]Property Name | [6]Well Number |
|---|---|---|
| 325160 | PYTHON 36 STATE | 507H |

| [7]OGRID No. | [8]Operator Name | [9]Elevation |
|---|---|---|
| 7377 | EOG RESOURCES, INC. | 3524' |

**[10]Surface Location**

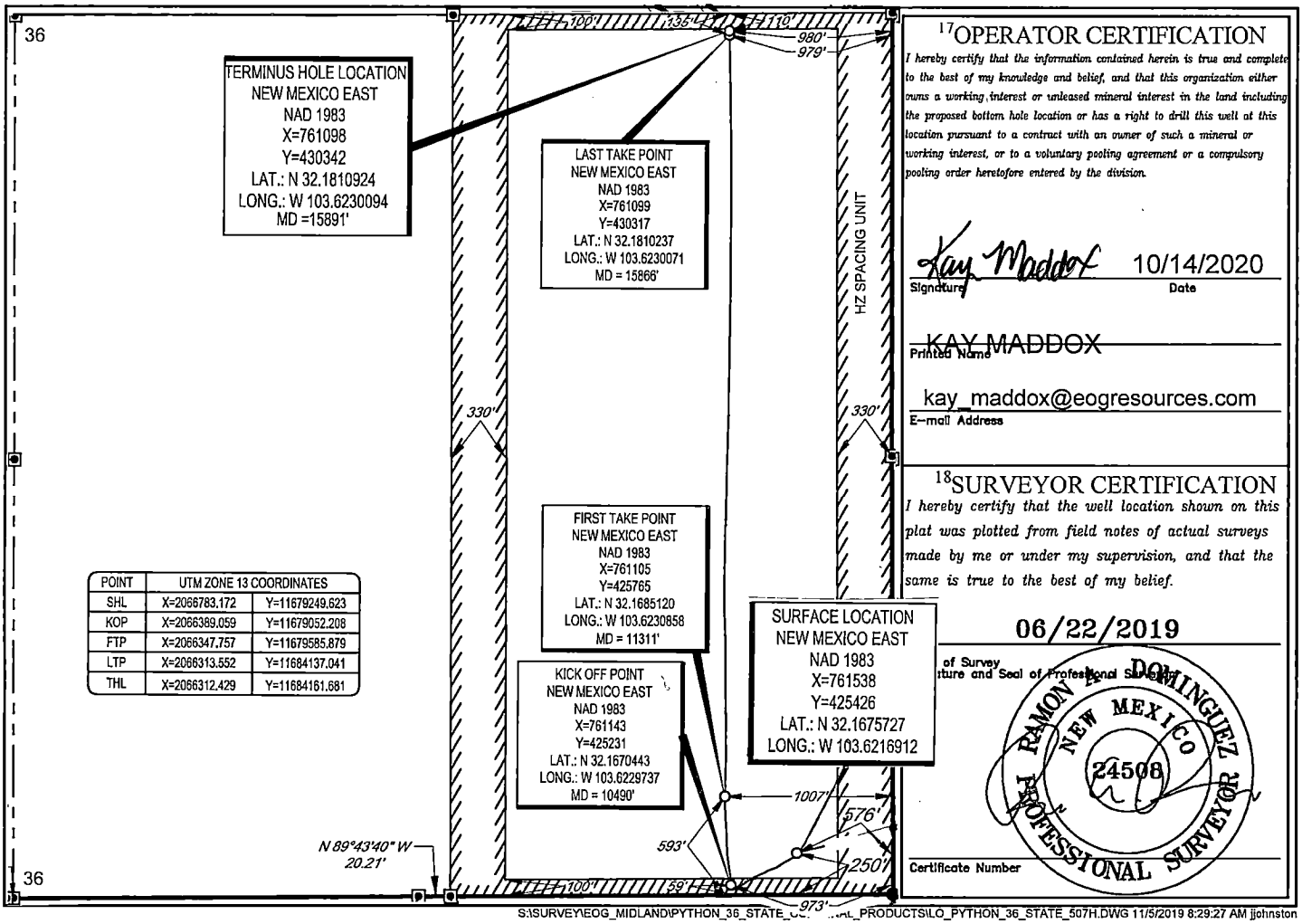
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---|---|---|---|---|---|---|---|---|---|
| P | 36 | 24-S | 32-E | – | 250' | SOUTH | 576' | EAST | LEA |

**[11]Bottom Hole Location If Different From Surface** SL

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---|---|---|---|---|---|---|---|---|---|
| A | 36 | 24-S | 32-E | – | 110' | NORTH | 980' | EAST | LEA |

| [12]Dedicated Acres | [13]Joint or Infill | [14]Consolidation Code | [15]Order No. |
|---|---|---|---|
| 320.00 | | | |

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.




**[17]OPERATOR CERTIFICATION**

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

Kay Maddox — 10/14/2020
Signature — Date

KAY MADDOX
Printed Name

kay_maddox@eogresources.com
E-mail Address

**[18]SURVEYOR CERTIFICATION**

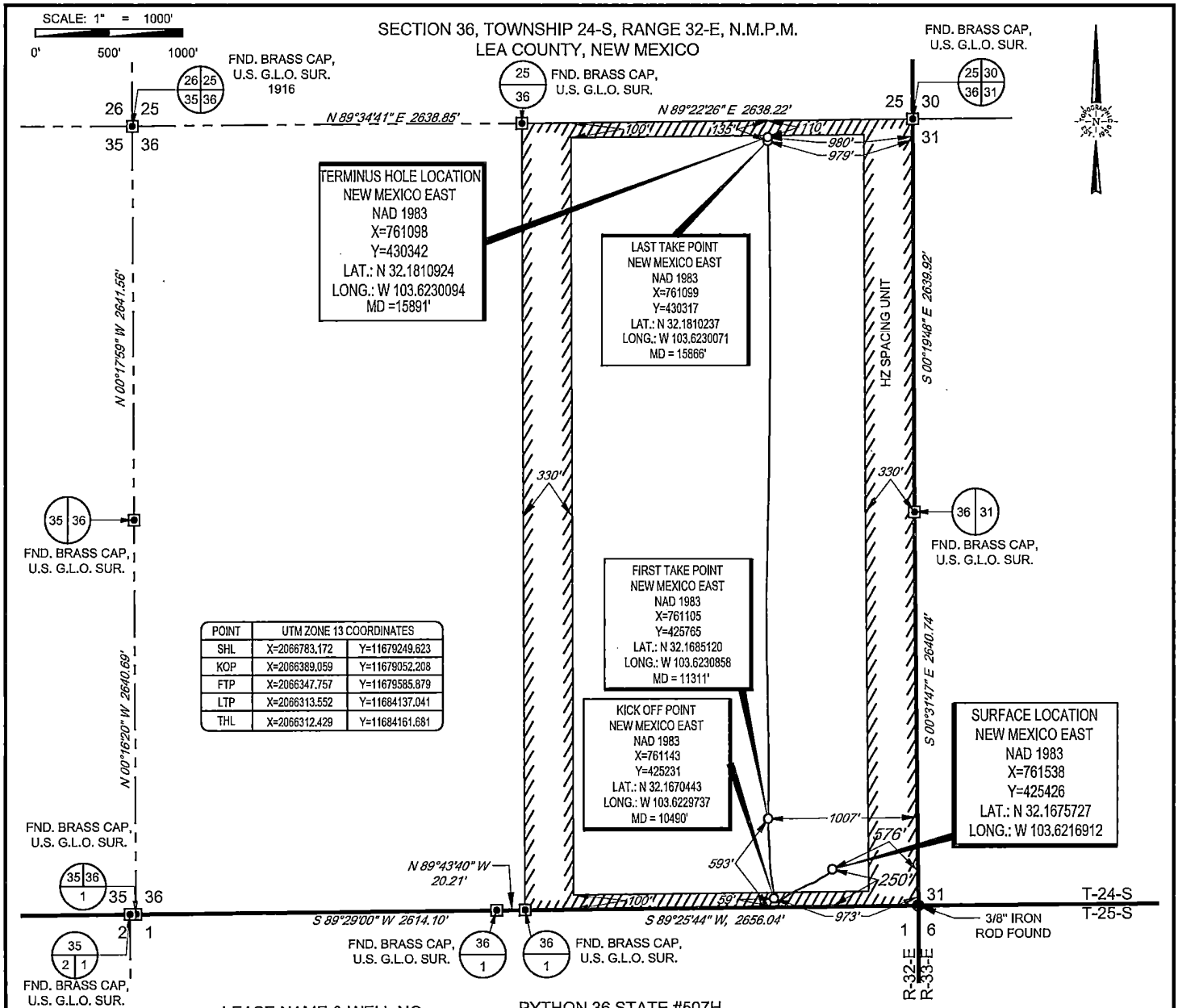
*I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.*

06/22/2019
Date of Survey
Signature and Seal of Professional Surveyor

RAMON P. DOMINGUEZ
NEW MEXICO
24508
PROFESSIONAL SURVEYOR

Certificate Number

S:\SURVEY\EOG_MIDLAND\PYTHON_36_STATE_... ...AL_PRODUCTS\LO_PYTHON_36_STATE_507H.DWG 11/5/2019 8:29:27 AM jjohnston




| POINT | UTM ZONE 13 COORDINATES | |
|---|---|---|
| SHL | X=2066783.172 | Y=11679249.623 |
| KOP | X=2066389.059 | Y=11679052.208 |
| FTP | X=2066347.757 | Y=11679585.879 |
| LTP | X=2066313.552 | Y=11684137.041 |
| THL | X=2066312.429 | Y=11684161.681 |

LEASE NAME & WELL NO.: PYTHON 36 STATE #507H

SECTION 36 TWP 24-S RGE 32-E SURVEY N.M.P.M.

COUNTY LEA STATE NM ELEVATION 3524'

DESCRIPTION 250' FSL & 576' FEL

RAMON A. DOMINGUEZ NEW MEXICO 24508 PROFESSIONAL SURVEYOR

Ramon A. Dominguez, P.S. No. 24508

JUNE 15, 2020


TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM


eog resources, Inc.

| PYTHON 36 STATE #507H AS-COMPLETE | REVISION: | |
|---|---|---|
| | | |
| DATE: 06/15/2020 | | |
| FILE: AD_PYTHON_36_STATE_507H | | |
| DRAWN BY: MML | | |
| SHEET : 1 OF 1 | | |

NOTES:
1. ORIGINAL DOCUMENT SIZE: 8.5" X 11"
2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.
3. THIS WELL LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY EOG RESOURCES, INC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

S:\SURVEY\EOG_MIDLAND\PYTHON_36_STATE_COM\FINAL_PRODUCTS\AD_PYTHON_36_STATE_507H.DWG 6/16/2020 9:11:28 AM rdominguez

REC'D 10/14/2020 - NMOCD

Intent [ ] As Drilled [XXX]

| API # |
|---|
| 30-025-46610 |

| Operator Name: | Property Name: | Well Number |
|---|---|---|
| EOG RESOURCES, INC | PYTHON 36 STATE | 507H |

Kick Off Point (KOP)

| UL | Section | Township | Range | Lot | Feet | From N/S | Feet | From E/W | County |
|---|---|---|---|---|---|---|---|---|---|
| P | 36 | 24S | 32E | | 59 | SOUTH | 973 | EAST | LEA |

| Latitude | Longitude | NAD |
|---|---|---|
| 32.1670443 | 103.6229737 | 1983 |

First Take Point (FTP)

| UL | Section | Township | Range | Lot | Feet | From N/S | Feet | From E/W | County |
|---|---|---|---|---|---|---|---|---|---|
| P | 36 | 24S | 32E | | 593 | SOUTH | 1007 | EAST | LEA |

| Latitude | Longitude | NAD |
|---|---|---|
| 32.1685120 | 103.6230858 | 1983 |

Last Take Point (LTP)

| UL | Section | Township | Range | Lot | Feet | From N/S | Feet | From E/W | County |
|---|---|---|---|---|---|---|---|---|---|
| A | 36 | 24S | 32E | | 135 | NORTH | 979 | EAST | LEA |

| Latitude | Longitude | NAD |
|---|---|---|
| 32.1810237 | 103.6230071 | 1983 |

Is this well the defining well for the Horizontal Spacing Unit? [NO]

Is this well an infill well? [YES]

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

| API # |
|---|
| 30-025-46609 |

| Operator Name: | Property Name: | Well Number |
|---|---|---|
| EOG RESOURCES, INC | PYTHON 36 STATE | 506H |

KZ 06/29/2018

eog resources

# EOG Resources - Midland

**Lea County, NM (NAD 83 NME)**
**Python 36 State**
**#507H**
**OH**

**Design: OH**

# Midland PVA

**13 February, 2020**

| | | | |
|---|---|---|---|
| Company: | EOG Resources - Midland | Local Co-ordinate Reference: | Well #507H |
| Project: | Lea County, NM (NAD 83 NME) | TVD Reference: | KB = 25 @ 3549.0usft |
| Site: | Python 36 State | MD Reference: | KB = 25 @ 3549.0usft |
| Well: | #507H | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | EDM |

**Project** Lea 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** Python 36 State

| | | | | | |
|---|---|---|---|---|---|
| Site Position: | | Northing: | 425,475.00 usft | Latitude: | 32° 10' 3.821 N |
| From: | Map | Easting: | 760,394.00 usft | Longitude: | 103° 37' 31.398 W |
| Position Uncertainty: | 0.0 usft | Slot Radius: | 13-3/16 " | Grid Convergence: | 0.38 ° |

**Well** #507H

| | | | | | | |
|---|---|---|---|---|---|---|
| Well Position | +N/-S | 0.0 usft | Northing: | 425,426.00 usft | Latitude: | 32° 10' 3.262 N |
| | +E/-W | 0.0 usft | Easting: | 761,538.00 usft | Longitude: | 103° 37' 18.093 W |
| Position Uncertainty | | 0.0 usft | Wellhead Elevation: | usft | Ground Level: | 3,524.0 usft |

**Wellbore** OH

| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
|---|---|---|---|---|---|
| | IGRF2015 | 1/22/2019 | 6.80 | 59.98 | 47,734.22311902 |

**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 | 354.77 |

**Survey Program** Date 2/13/2020

| From (usft) | To (usft) | Survey (Wellbore) | Tool Name | Description |
|---|---|---|---|---|
| 199.0 | 15,891.0 | Driltech MWD (OH) | EOG MWD+IFR1 | MWD + IFR1 |

| | | | |
|---|---|---|---|
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| Site: | Python 36 State | MD Reference: | KB = 25 @ 3549.0usft |
| Well: | #507H | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | EDM |

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 |
| 199.0 | 0.97 | 207.10 | 199.0 | -1.5 | -0.8 | 0.49 | 0.49 | 0.00 | -1.7 | 0.0 |
| 315.0 | 0.88 | 193.83 | 315.0 | -3.2 | -1.4 | 0.20 | -0.08 | -11.44 | -3.5 | -0.6 |
| 406.0 | 0.97 | 200.78 | 406.0 | -4.6 | -1.9 | 0.16 | 0.10 | 7.64 | -5.0 | -0.1 |
| 495.0 | 1.23 | 210.00 | 494.9 | -6.2 | -2.6 | 0.35 | 0.29 | 10.36 | -6.6 | 0.8 |
| 583.0 | 1.14 | 227.32 | 582.9 | -7.6 | -3.7 | 0.42 | -0.10 | 19.68 | -7.9 | 3.0 |
| 672.0 | 1.76 | 233.91 | 671.9 | -9.0 | -5.5 | 0.72 | 0.70 | 7.40 | -9.7 | 4.0 |
| 769.0 | 1.58 | 230.57 | 768.9 | -10.7 | -7.7 | 0.21 | -0.19 | -3.44 | -12.8 | 3.4 |
| 863.0 | 1.49 | 225.21 | 862.8 | -12.4 | -9.6 | 0.18 | -0.10 | -5.70 | -15.5 | 2.0 |
| 957.0 | 2.29 | 217.74 | 956.8 | -14.7 | -11.6 | 0.89 | 0.85 | -7.95 | -18.8 | -0.2 |
| 1,052.0 | 2.64 | 219.76 | 1,051.7 | -17.9 | -14.2 | 0.38 | 0.37 | 2.13 | -22.8 | 0.6 |
| 1,123.0 | 2.46 | 227.93 | 1,122.6 | -20.2 | -16.3 | 0.57 | -0.25 | 11.51 | -25.7 | 4.1 |
| 1,245.0 | 2.11 | 219.85 | 1,244.5 | -23.7 | -19.7 | 0.39 | -0.29 | -6.62 | -30.5 | 0.2 |
| 1,339.0 | 3.17 | 240.59 | 1,338.4 | -26.3 | -23.1 | 1.50 | 1.13 | 22.06 | -29.7 | 11.7 |
| 1,433.0 | 5.28 | 242.62 | 1,432.2 | -29.6 | -29.2 | 2.25 | 2.24 | 2.16 | -30.0 | 13.0 |
| 1,527.0 | 6.07 | 240.68 | 1,525.7 | -34.0 | -37.4 | 0.86 | 0.84 | -2.06 | -30.6 | 12.3 |
| 1,622.0 | 5.80 | 240.15 | 1,620.2 | -38.8 | -45.9 | 0.29 | -0.28 | -0.56 | -30.7 | 12.6 |
| 1,716.0 | 6.51 | 238.22 | 1,713.6 | -44.0 | -54.6 | 0.79 | 0.76 | -2.05 | -31.4 | 12.3 |
| 1,810.0 | 7.83 | 238.57 | 1,806.9 | -50.1 | -64.6 | 1.41 | 1.40 | 0.37 | -33.2 | 13.4 |
| 1,905.0 | 7.39 | 240.77 | 1,901.1 | -56.5 | -75.4 | 0.56 | -0.46 | 2.32 | -35.4 | 15.4 |
| 1,999.0 | 6.95 | 239.72 | 1,994.3 | -62.3 | -85.6 | 0.49 | -0.47 | -1.12 | -37.6 | 15.3 |
| 2,093.0 | 6.42 | 235.76 | 2,087.7 | -68.1 | -94.9 | 0.75 | -0.56 | -4.21 | -39.8 | 13.7 |
| 2,187.0 | 6.33 | 235.67 | 2,181.1 | -74.0 | -103.5 | 0.10 | -0.10 | -0.10 | -40.5 | 15.0 |
| 2,281.0 | 5.98 | 237.52 | 2,274.6 | -79.6 | -111.9 | 0.43 | -0.37 | 1.97 | -40.3 | 17.5 |
| 2,376.0 | 6.33 | 242.97 | 2,369.0 | -84.6 | -120.7 | 0.72 | 0.37 | 5.74 | -38.7 | 21.8 |
| 2,470.0 | 7.12 | 248.50 | 2,462.4 | -89.1 | -130.8 | 1.09 | 0.84 | 5.88 | -37.7 | 25.1 |
| 2,564.0 | 7.03 | 249.30 | 2,555.7 | -93.3 | -141.6 | 0.14 | -0.10 | 0.85 | -39.1 | 24.7 |

| | | | |
|---|---|---|---|
| Company: | EOG Resources - Midland | Local Co-ordinate Reference: | Well #507H |
| Project: | Lea County, NM (NAD 83 NME) | TVD Reference: | KB = 25 @ 3549.0usft |
| Site: | Python 36 State | MD Reference: | KB = 25 @ 3549.0usft |
| Well: | #507H | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | EDM |

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) |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,658.0 | 6.60 | 249.47 | 2,649.0 | -97.2 | -152.0 | 0.46 | -0.46 | 0.18 | -40.4 | 23.8 |
| 2,753.0 | 6.51 | 248.15 | 2,743.4 | -101.1 | -162.1 | 0.18 | -0.09 | -1.39 | -41.9 | 22.0 |
| 2,847.0 | 5.80 | 243.85 | 2,836.8 | -105.2 | -171.3 | 0.90 | -0.76 | -4.57 | -43.7 | 18.4 |
| 2,941.0 | 5.63 | 243.14 | 2,930.4 | -109.4 | -179.7 | 0.20 | -0.18 | -0.76 | -43.4 | 17.9 |
| 3,035.0 | 6.33 | 242.79 | 3,023.9 | -113.8 | -188.4 | 0.75 | 0.74 | -0.37 | -43.5 | 17.7 |
| 3,130.0 | 7.65 | 244.99 | 3,118.2 | -118.9 | -198.8 | 1.42 | 1.39 | 2.32 | -44.4 | 19.4 |
| 3,224.0 | 7.30 | 244.20 | 3,211.4 | -124.1 | -209.9 | 0.39 | -0.37 | -0.84 | -47.1 | 18.6 |
| 3,319.0 | 6.95 | 243.58 | 3,305.6 | -129.3 | -220.4 | 0.38 | -0.37 | -0.65 | -49.2 | 18.0 |
| 3,413.0 | 6.33 | 243.14 | 3,399.0 | -134.2 | -230.2 | 0.66 | -0.66 | -0.47 | -50.4 | 17.7 |
| 3,507.0 | 5.80 | 242.26 | 3,492.5 | -138.7 | -239.0 | 0.57 | -0.56 | -0.94 | -50.8 | 17.1 |
| 3,601.0 | 5.54 | 242.97 | 3,586.0 | -143.0 | -247.2 | 0.29 | -0.28 | 0.76 | -50.0 | 17.9 |
| 3,695.0 | 5.19 | 242.88 | 3,679.6 | -147.0 | -255.1 | 0.37 | -0.37 | -0.10 | -49.0 | 17.9 |
| 3,789.0 | 3.87 | 238.22 | 3,773.3 | -150.6 | -261.5 | 1.46 | -1.40 | -4.96 | -47.9 | 14.5 |
| 3,883.0 | 4.57 | 242.62 | 3,867.0 | -154.0 | -267.6 | 0.82 | 0.74 | 4.68 | -43.7 | 18.5 |
| 3,977.0 | 7.12 | 245.25 | 3,960.5 | -158.2 | -276.2 | 2.73 | 2.71 | 2.80 | -42.6 | 20.4 |
| 4,071.0 | 6.24 | 244.90 | 4,053.9 | -162.8 | -286.1 | 0.94 | -0.94 | -0.37 | -43.8 | 19.9 |
| 4,165.0 | 5.28 | 240.68 | 4,147.4 | -167.1 | -294.5 | 1.12 | -1.02 | -4.49 | -44.8 | 16.8 |
| 4,260.0 | 4.22 | 233.30 | 4,242.1 | -171.3 | -301.1 | 1.29 | -1.12 | -7.77 | -44.6 | 12.1 |
| 4,354.0 | 4.13 | 226.80 | 4,335.9 | -175.7 | -306.4 | 0.51 | -0.10 | -6.91 | -43.1 | 9.5 |
| 4,448.0 | 6.68 | 234.09 | 4,429.4 | -181.2 | -313.2 | 2.80 | 2.71 | 7.76 | -40.7 | 16.9 |
| 4,542.0 | 6.95 | 234.09 | 4,522.8 | -187.8 | -322.3 | 0.29 | 0.29 | 0.00 | -42.1 | 18.5 |
| 4,636.0 | 6.68 | 228.20 | 4,616.1 | -194.7 | -331.0 | 0.80 | -0.29 | -6.27 | -45.5 | 16.2 |
| 4,730.0 | 6.24 | 220.20 | 4,709.5 | -202.3 | -338.3 | 1.06 | -0.47 | -8.51 | -48.8 | 12.9 |
| 4,816.0 | 5.54 | 217.30 | 4,795.0 | -209.1 | -343.9 | 0.88 | -0.81 | -3.37 | -50.1 | 14.1 |
| 4,903.0 | 4.66 | 219.24 | 4,881.7 | -215.2 | -348.7 | 1.03 | -1.01 | 2.23 | -49.1 | 19.7 |
| 5,091.0 | 4.75 | 266.79 | 5,069.1 | -221.6 | -361.3 | 2.02 | 0.05 | 25.29 | -13.6 | 47.4 |
| 5,185.0 | 3.78 | 285.15 | 5,162.9 | -221.0 | -368.1 | 1.77 | -1.03 | 19.53 | 2.6 | 44.0 |

| | | | |
|---|---|---|---|
| Company: | EOG Resources - Midland | Local Co-ordinate Reference: | Well #507H |
| Project: | Lea County, NM (NAD 83 NME) | TVD Reference: | KB = 25 @ 3549.0usft |
| Site: | Python 36 State | MD Reference: | KB = 25 @ 3549.0usft |
| Well: | #507H | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | EDM |

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) |
|---|---|---|---|---|---|---|---|---|---|---|
| 5,279.0 | 3.08 | 302.47 | 5,256.7 | -218.8 | -373.3 | 1.32 | -0.74 | 18.43 | 15.2 | 33.7 |
| 5,373.0 | 2.99 | 307.39 | 5,350.6 | -216.0 | -377.3 | 0.29 | -0.10 | 5.23 | 17.4 | 23.7 |
| 5,467.0 | 2.90 | 303.35 | 5,444.5 | -213.2 | -381.3 | 0.24 | -0.10 | -4.30 | 15.9 | 16.2 |
| 5,561.0 | 2.81 | 331.56 | 5,538.3 | -209.8 | -384.4 | 1.48 | -0.10 | 30.01 | 17.6 | -1.9 |
| 5,656.0 | 3.17 | 349.14 | 5,633.2 | -205.2 | -386.0 | 1.03 | 0.38 | 18.51 | 8.9 | -15.4 |
| 5,750.0 | 3.43 | 348.79 | 5,727.1 | -199.9 | -387.0 | 0.28 | 0.28 | -0.37 | 1.9 | -21.6 |
| 5,844.0 | 3.43 | 349.40 | 5,820.9 | -194.4 | -388.1 | 0.04 | 0.00 | 0.65 | -4.9 | -24.8 |
| 5,939.0 | 3.43 | 345.98 | 5,915.7 | -188.8 | -389.3 | 0.22 | 0.00 | -3.60 | -9.2 | -25.7 |
| 6,033.0 | 3.25 | 344.13 | 6,009.6 | -183.5 | -390.7 | 0.22 | -0.19 | -1.97 | -13.8 | -26.1 |
| 6,127.0 | 1.32 | 337.36 | 6,103.5 | -180.0 | -391.8 | 2.07 | -2.05 | -7.20 | -14.4 | -27.9 |
| 6,222.0 | 0.44 | 352.74 | 6,198.5 | -178.6 | -392.3 | 0.95 | -0.93 | 16.19 | -22.7 | -22.8 |
| 6,316.0 | 0.70 | 345.27 | 6,292.5 | -177.7 | -392.5 | 0.29 | 0.28 | -7.95 | -20.5 | -25.6 |
| 6,410.0 | 0.62 | 342.81 | 6,386.5 | -176.7 | -392.8 | 0.09 | -0.09 | -2.62 | -20.4 | -26.4 |
| 6,504.0 | 0.79 | 337.19 | 6,480.5 | -175.6 | -393.2 | 0.20 | 0.18 | -5.98 | -18.9 | -28.4 |
| 6,599.0 | 0.97 | 356.52 | 6,575.4 | -174.2 | -393.5 | 0.36 | 0.19 | 20.35 | -28.7 | -20.3 |
| 6,693.0 | 0.79 | 345.18 | 6,669.4 | -172.7 | -393.7 | 0.27 | -0.19 | -12.06 | -25.5 | -25.7 |
| 6,787.0 | 0.88 | 348.35 | 6,763.4 | -171.4 | -394.0 | 0.11 | 0.10 | 3.37 | -28.3 | -24.2 |
| 6,882.0 | 0.88 | 349.14 | 6,858.4 | -170.0 | -394.3 | 0.01 | 0.00 | 0.83 | -30.1 | -23.8 |
| 6,976.0 | 0.97 | 332.09 | 6,952.4 | -168.6 | -394.8 | 0.31 | 0.10 | -18.14 | -23.3 | -31.8 |
| 7,070.0 | 0.97 | 322.95 | 7,046.4 | -167.2 | -395.7 | 0.16 | 0.00 | -9.72 | -19.5 | -35.2 |
| 7,164.0 | 0.97 | 329.80 | 7,140.4 | -165.9 | -396.5 | 0.12 | 0.00 | 7.29 | -25.1 | -32.5 |
| 7,258.0 | 0.18 | 194.72 | 7,234.4 | -165.4 | -397.0 | 1.18 | -0.84 | -143.70 | 41.2 | 4.7 |
| 7,353.0 | 1.58 | 152.26 | 7,329.4 | -166.7 | -396.4 | 1.53 | 1.47 | -44.69 | 25.8 | 31.2 |
| 7,399.3 | 1.71 | 146.47 | 7,375.6 | -167.8 | -395.7 | 0.45 | 0.27 | -12.51 | 21.2 | 33.6 |
| Brushy Top (Python 36 State #507H) | | | | | | | | | | |
| 7,447.0 | 1.85 | 141.37 | 7,423.3 | -169.0 | -394.8 | 0.45 | 0.30 | -10.68 | 16.6 | 35.3 |
| 7,541.0 | 2.02 | 140.40 | 7,517.3 | -171.5 | -392.8 | 0.18 | 0.18 | -1.03 | 12.9 | 35.5 |

| | | | |
|---|---|---|---|
| Company: | EOG Resources - Midland | Local Co-ordinate Reference: | Well #507H |
| Project: | Lea County, NM (NAD 83 NME) | TVD Reference: | KB = 25 @ 3549.0usft |
| Site: | Python 36 State | MD Reference: | KB = 25 @ 3549.0usft |
| Well: | #507H | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | EDM |

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) |
|---|---|---|---|---|---|---|---|---|---|---|
| 7,636.0 | 1.76 | 149.98 | 7,612.2 | -174.0 | -391.0 | 0.43 | -0.27 | 10.08 | 15.5 | 33.1 |
| 7,730.0 | 1.85 | 147.17 | 7,706.2 | -176.5 | -389.5 | 0.13 | 0.10 | -2.99 | 10.9 | 33.8 |
| 7,824.0 | 1.67 | 154.11 | 7,800.1 | -179.0 | -388.1 | 0.30 | -0.19 | 7.38 | 12.0 | 32.4 |
| 7,918.0 | 1.76 | 153.14 | 7,894.1 | -181.6 | -386.8 | 0.10 | 0.10 | -1.03 | 8.6 | 32.6 |
| 8,013.0 | 1.58 | 154.90 | 7,989.0 | -184.1 | -385.6 | 0.20 | -0.19 | 1.85 | 6.9 | 32.4 |
| 8,107.0 | 1.58 | 156.92 | 8,083.0 | -186.4 | -384.6 | 0.06 | 0.00 | 2.15 | 5.4 | 32.1 |
| 8,201.0 | 1.67 | 155.16 | 8,177.0 | -188.9 | -383.5 | 0.11 | 0.10 | -1.87 | 1.8 | 32.2 |
| 8,296.0 | 1.93 | 163.78 | 8,271.9 | -191.6 | -382.4 | 0.39 | 0.27 | 9.07 | 3.6 | 31.8 |
| 8,389.0 | 1.93 | 161.84 | 8,364.9 | -194.6 | -381.5 | 0.07 | 0.00 | -2.09 | -0.6 | 31.9 |
| 8,484.0 | 2.11 | 162.81 | 8,459.8 | -197.8 | -380.5 | 0.19 | 0.19 | 1.02 | -3.4 | 31.9 |
| 8,578.0 | 2.29 | 163.95 | 8,553.7 | -201.3 | -379.5 | 0.20 | 0.19 | 1.21 | -6.4 | 32.0 |
| 8,672.0 | 2.02 | 165.71 | 8,647.7 | -204.7 | -378.5 | 0.30 | -0.29 | 1.87 | -8.9 | 32.2 |
| 8,766.0 | 1.93 | 171.95 | 8,741.6 | -207.9 | -377.9 | 0.25 | -0.10 | 6.64 | -8.6 | 33.2 |
| 8,861.0 | 1.76 | 171.69 | 8,836.6 | -210.9 | -377.5 | 0.18 | -0.18 | -0.27 | -11.8 | 33.2 |
| 8,955.0 | 1.76 | 173.09 | 8,930.5 | -213.8 | -377.1 | 0.05 | 0.00 | 1.49 | -13.9 | 33.5 |
| 9,049.0 | 1.93 | 179.16 | 9,024.5 | -216.8 | -376.9 | 0.28 | 0.18 | 6.46 | -13.3 | 34.9 |
| 9,143.0 | 1.32 | 192.96 | 9,118.4 | -219.4 | -377.1 | 0.77 | -0.65 | 14.68 | -7.2 | 37.4 |
| 9,238.0 | 0.53 | 229.43 | 9,213.4 | -220.8 | -377.7 | 1.00 | -0.83 | 38.39 | 15.1 | 35.0 |
| 9,332.0 | 1.14 | 308.18 | 9,307.4 | -220.5 | -378.8 | 1.23 | 0.65 | 83.78 | 36.3 | -7.6 |
| 9,426.0 | 1.85 | 319.96 | 9,401.4 | -218.7 | -380.5 | 0.82 | 0.76 | 12.53 | 31.6 | -14.7 |
| 9,521.0 | 1.93 | 322.16 | 9,496.3 | -216.3 | -382.4 | 0.11 | 0.08 | 2.32 | 27.8 | -15.8 |
| 9,615.0 | 1.14 | 308.09 | 9,590.3 | -214.5 | -384.2 | 0.93 | -0.84 | -14.97 | 28.4 | -8.9 |
| 9,709.0 | 0.35 | 268.81 | 9,684.3 | -213.9 | -385.2 | 0.95 | -0.84 | -41.79 | 26.6 | 10.5 |
| 9,803.0 | 1.67 | 335.87 | 9,778.3 | -212.7 | -386.0 | 1.67 | 1.40 | 71.34 | 18.5 | -20.2 |
| 9,897.0 | 1.58 | 346.68 | 9,872.2 | -210.1 | -386.9 | 0.34 | -0.10 | 11.50 | 11.8 | -23.0 |
| 10,027.0 | 1.76 | 341.84 | 10,002.2 | -206.5 | -387.9 | 0.18 | 0.14 | -3.72 | 9.9 | -22.1 |
| 10,121.0 | 1.67 | 329.19 | 10,096.1 | -204.0 | -389.1 | 0.41 | -0.10 | -13.46 | 11.7 | -19.7 |

| | | | |
|---|---|---|---|
| Company: | EOG Resources - Midland | Local Co-ordinate Reference: | Well #507H |
| Project: | Lea County, NM (NAD 83 NME) | TVD Reference: | KB = 25 @ 3549.0usft |
| Site: | Python 36 State | MD Reference: | KB = 25 @ 3549.0usft |
| Well: | #507H | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | EDM |

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) |
|---|---|---|---|---|---|---|---|---|---|---|
| 10,216.0 | 1.76 | 322.16 | 10,191.1 | -201.6 | -390.7 | 0.24 | 0.09 | -7.40 | 11.2 | -18.3 |
| 10,310.0 | 1.67 | 317.85 | 10,285.1 | -199.5 | -392.5 | 0.17 | -0.10 | -4.59 | 9.7 | -17.5 |
| 10,405.0 | 1.49 | 313.90 | 10,380.0 | -197.6 | -394.3 | 0.22 | -0.19 | -4.16 | 8.3 | -16.9 |
| 10,490.0 | 2.64 | 358.73 | 10,465.0 | -194.9 | -395.1 | 2.24 | 1.35 | 52.74 | -8.8 | -17.1 |
| KOP, MD:10490.0', TVD:10465.0',N/S:-194.9', E/W:-395.1', INC:2.64 | | | | | | | | | | |
| 10,499.0 | 2.81 | 1.00 | 10,474.0 | -194.4 | -395.1 | 2.24 | 1.89 | 25.22 | -9.9 | -16.7 |
| 10,594.0 | 18.64 | 355.64 | 10,567.0 | -176.8 | -396.3 | 16.68 | 16.66 | -5.64 | -21.2 | -17.6 |
| 10,641.0 | 26.47 | 355.29 | 10,610.4 | -158.9 | -397.7 | 16.66 | 16.66 | -0.74 | -31.5 | -17.4 |
| 10,651.9 | 27.14 | 355.12 | 10,620.1 | -154.0 | -398.1 | 6.21 | 6.17 | -1.60 | -34.1 | -17.3 |
| FTP Crossing, MD:10651.9', TVD:10620.1',N/S:-154.0', E/W:-398.1', INC:27.14 | | | | | | | | | | |
| 10,688.0 | 29.37 | 354.59 | 10,651.9 | -137.0 | -399.6 | 6.21 | 6.17 | -1.46 | -42.3 | -16.7 |
| 10,735.0 | 30.43 | 350.63 | 10,692.6 | -113.7 | -402.7 | 4.77 | 2.26 | -8.43 | -49.8 | -17.5 |
| 10,782.0 | 32.62 | 348.96 | 10,732.7 | -89.6 | -407.0 | 5.02 | 4.66 | -3.55 | -55.4 | -15.1 |
| 10,876.0 | 41.06 | 353.18 | 10,807.9 | -33.9 | -415.6 | 9.37 | 8.98 | 4.49 | -63.7 | -3.3 |
| 10,923.0 | 46.43 | 356.79 | 10,841.8 | -1.6 | -418.4 | 12.60 | 11.43 | 7.68 | -66.6 | 2.5 |
| 10,955.7 | 51.32 | 357.73 | 10,863.3 | 23.0 | -419.5 | 15.11 | 14.95 | 2.87 | -68.9 | 4.3 |
| FTP (Python 36 State #507H) | | | | | | | | | | |
| 10,970.0 | 53.46 | 358.10 | 10,872.1 | 34.3 | -419.9 | 15.11 | 14.97 | 2.59 | -70.1 | 5.0 |
| 11,017.0 | 57.42 | 358.37 | 10,898.7 | 73.0 | -421.1 | 8.44 | 8.43 | 0.57 | -73.7 | 6.2 |
| 11,064.0 | 60.59 | 356.61 | 10,922.9 | 113.3 | -422.9 | 7.47 | 6.74 | -3.74 | -76.0 | 6.5 |
| 11,111.0 | 62.61 | 356.70 | 10,945.3 | 154.5 | -425.3 | 4.30 | 4.30 | 0.19 | -75.8 | 9.0 |
| 11,159.0 | 63.40 | 357.05 | 10,967.1 | 197.2 | -427.6 | 1.77 | 1.65 | 0.73 | -72.3 | 11.6 |
| 11,206.0 | 65.07 | 355.82 | 10,987.5 | 239.5 | -430.3 | 4.26 | 3.55 | -2.62 | -65.4 | 14.0 |
| 11,253.0 | 70.61 | 357.93 | 11,005.2 | 282.9 | -432.6 | 12.50 | 11.79 | 4.49 | -57.1 | 16.9 |
| 11,300.0 | 73.69 | 359.07 | 11,019.6 | 327.6 | -433.8 | 6.95 | 6.55 | 2.43 | -48.1 | 18.1 |
| 11,338.0 | 76.50 | 0.83 | 11,029.4 | 364.4 | -433.8 | 8.64 | 7.39 | 4.63 | -39.9 | 18.0 |
| 11,435.0 | 85.47 | 2.56 | 11,044.6 | 460.0 | -431.0 | 9.41 | 9.25 | 1.78 | -24.0 | 14.1 |

| | | | |
|---|---|---|---|
| Company: | EOG Resources - Midland | Local Co-ordinate Reference: | Well #507H |
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| Site: | Python 36 State | MD Reference: | KB = 25 @ 3549.0usft |
| Well: | #507H | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | EDM |

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) |
|---|---|---|---|---|---|---|---|---|---|---|
| 11,529.0 | 88.55 | 359.48 | 11,049.5 | 553.8 | -429.3 | 4.63 | 3.28 | -3.28 | -18.2 | 11.7 |
| 11,623.0 | 88.99 | 359.39 | 11,051.5 | 647.8 | -430.2 | 0.48 | 0.47 | -0.10 | -15.3 | 11.9 |
| 11,717.0 | 89.08 | 359.39 | 11,053.1 | 741.8 | -431.2 | 0.10 | 0.10 | 0.00 | -12.9 | 12.2 |
| 11,812.0 | 89.43 | 359.39 | 11,054.3 | 836.8 | -432.2 | 0.37 | 0.37 | 0.00 | -10.7 | 12.5 |
| 11,906.0 | 89.52 | 359.13 | 11,055.2 | 930.8 | -433.5 | 0.29 | 0.10 | -0.28 | -9.0 | 13.0 |
| 12,001.0 | 89.96 | 359.04 | 11,055.6 | 1,025.8 | -435.0 | 0.47 | 0.46 | -0.09 | -7.6 | 13.9 |
| 12,095.0 | 89.87 | 359.13 | 11,055.7 | 1,119.7 | -436.5 | 0.14 | -0.10 | 0.10 | -6.6 | 14.7 |
| 12,189.0 | 90.13 | 358.78 | 11,055.7 | 1,213.7 | -438.2 | 0.46 | 0.28 | -0.37 | -5.7 | 15.7 |
| 12,283.0 | 90.13 | 358.69 | 11,055.5 | 1,307.7 | -440.3 | 0.10 | 0.00 | -0.10 | -5.0 | 17.0 |
| 12,378.0 | 90.13 | 358.25 | 11,055.3 | 1,402.7 | -442.8 | 0.46 | 0.00 | -0.46 | -4.3 | 18.9 |
| 12,472.0 | 90.75 | 357.99 | 11,054.6 | 1,496.6 | -445.9 | 0.72 | 0.66 | -0.28 | -4.2 | 21.3 |
| 12,566.0 | 90.57 | 0.27 | 11,053.5 | 1,590.6 | -447.3 | 2.43 | -0.19 | 2.43 | -4.4 | 22.0 |
| 12,661.0 | 91.28 | 0.45 | 11,052.0 | 1,685.6 | -446.7 | 0.77 | 0.75 | 0.19 | -5.0 | 20.7 |
| 12,755.0 | 91.54 | 0.18 | 11,049.7 | 1,779.6 | -446.2 | 0.40 | 0.28 | -0.29 | -6.4 | 19.5 |
| 12,849.0 | 89.52 | 1.59 | 11,048.8 | 1,873.5 | -444.8 | 2.62 | -2.15 | 1.50 | -6.4 | 17.3 |
| 12,943.0 | 89.87 | 1.41 | 11,049.3 | 1,967.5 | -442.3 | 0.42 | 0.37 | -0.19 | -5.0 | 14.2 |
| 13,037.0 | 90.13 | 1.41 | 11,049.3 | 2,061.5 | -440.0 | 0.28 | 0.28 | 0.00 | -4.1 | 11.2 |
| 13,132.0 | 90.75 | 1.15 | 11,048.6 | 2,156.4 | -437.9 | 0.71 | 0.65 | -0.27 | -3.9 | 8.3 |
| 13,226.0 | 91.10 | 1.24 | 11,047.0 | 2,250.4 | -435.9 | 0.38 | 0.37 | 0.10 | -4.6 | 5.7 |
| 13,320.0 | 91.63 | 1.15 | 11,044.8 | 2,344.4 | -433.9 | 0.57 | 0.56 | -0.10 | -5.9 | 3.0 |
| 13,414.0 | 89.87 | 1.06 | 11,043.6 | 2,438.3 | -432.1 | 1.87 | -1.87 | -0.10 | -6.2 | 0.5 |
| 13,508.0 | 89.52 | 1.06 | 11,044.1 | 2,532.3 | -430.4 | 0.37 | -0.37 | 0.00 | -4.8 | -1.9 |
| 13,602.0 | 88.64 | 0.62 | 11,045.6 | 2,626.3 | -429.0 | 1.05 | -0.94 | -0.47 | -2.4 | -4.0 |
| 13,697.0 | 89.16 | 0.71 | 11,047.4 | 2,721.3 | -427.9 | 0.56 | 0.55 | 0.09 | 0.3 | -5.8 |
| 13,791.0 | 89.52 | 0.62 | 11,048.5 | 2,815.3 | -426.8 | 0.39 | 0.38 | -0.10 | 2.3 | -7.6 |
| 13,885.0 | 89.87 | 0.71 | 11,049.0 | 2,909.2 | -425.7 | 0.38 | 0.37 | 0.10 | 3.7 | -9.4 |
| 13,979.0 | 90.57 | 0.36 | 11,048.6 | 3,003.2 | -424.8 | 0.83 | 0.74 | -0.37 | 4.2 | -11.0 |

| | | | |
|---|---|---|---|
| Company: | EOG Resources - Midland | Local Co-ordinate Reference: | Well #507H |
| Project: | Lea County, NM (NAD 83 NME) | TVD Reference: | KB = 25 @ 3549.0usft |
| Site: | Python 36 State | MD Reference: | KB = 25 @ 3549.0usft |
| Well: | #507H | North Reference: | Grid |
| Wellbore: | OH | Survey Calculation Method: | Minimum Curvature |
| Design: | OH | Database: | EDM |

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) |
|---|---|---|---|---|---|---|---|---|---|---|
| 14,024.5 | 89.89 | 0.53 | 11,048.4 | 3,048.8 | -424.5 | 1.53 | -1.48 | 0.37 | 4.4 | -11.7 |
| TGT#1(Python 36 State #507H) | | | | | | | | | | |
| 14,074.0 | 89.16 | 0.71 | 11,048.9 | 3,098.2 | -424.0 | 1.53 | -1.48 | 0.37 | 5.0 | -12.6 |
| 14,168.0 | 89.34 | 0.45 | 11,050.1 | 3,192.2 | -423.0 | 0.34 | 0.19 | -0.28 | 6.5 | -14.2 |
| 14,263.0 | 89.87 | 0.27 | 11,050.7 | 3,287.2 | -422.4 | 0.59 | 0.56 | -0.19 | 7.4 | -15.5 |
| 14,357.0 | 90.40 | 0.10 | 11,050.5 | 3,381.2 | -422.1 | 0.59 | 0.56 | -0.18 | 7.5 | -16.5 |
| 14,451.0 | 90.66 | 0.36 | 11,049.6 | 3,475.2 | -421.7 | 0.39 | 0.28 | 0.28 | 6.8 | -17.6 |
| 14,545.0 | 91.10 | 0.19 | 11,048.2 | 3,569.2 | -421.3 | 0.50 | 0.47 | -0.18 | 5.7 | -18.7 |
| 14,640.0 | 88.99 | 0.19 | 11,048.1 | 3,664.2 | -421.0 | 2.22 | -2.22 | 0.00 | 5.8 | -19.8 |
| 14,734.0 | 89.34 | 0.19 | 11,049.5 | 3,758.2 | -420.7 | 0.37 | 0.37 | 0.00 | 7.4 | -20.8 |
| 14,829.0 | 89.60 | 359.92 | 11,050.4 | 3,853.2 | -420.6 | 0.39 | 0.27 | -0.28 | 8.6 | -21.6 |
| 14,922.0 | 89.96 | 359.57 | 11,050.7 | 3,946.2 | -421.0 | 0.54 | 0.39 | -0.38 | 9.2 | -21.8 |
| 15,017.0 | 90.04 | 359.57 | 11,050.7 | 4,041.2 | -421.7 | 0.08 | 0.08 | 0.00 | 9.4 | -21.8 |
| 15,111.0 | 90.22 | 359.39 | 11,050.5 | 4,135.2 | -422.5 | 0.27 | 0.19 | -0.19 | 9.5 | -21.7 |
| 15,205.0 | 90.75 | 359.31 | 11,049.7 | 4,229.2 | -423.6 | 0.57 | 0.56 | -0.09 | 8.9 | -21.3 |
| 15,300.0 | 89.16 | 359.13 | 11,049.8 | 4,324.1 | -424.9 | 1.68 | -1.67 | -0.19 | 9.2 | -20.7 |
| 15,394.0 | 89.43 | 358.95 | 11,051.0 | 4,418.1 | -426.5 | 0.35 | 0.29 | -0.19 | 10.6 | -19.8 |
| 15,488.0 | 89.96 | 358.87 | 11,051.5 | 4,512.1 | -428.3 | 0.57 | 0.56 | -0.09 | 11.4 | -18.7 |
| 15,582.0 | 90.66 | 358.69 | 11,050.9 | 4,606.1 | -430.3 | 0.77 | 0.74 | -0.19 | 11.1 | -17.4 |
| 15,708.0 | 91.36 | 357.99 | 11,048.7 | 4,732.0 | -433.9 | 0.79 | 0.56 | -0.56 | 9.2 | -14.7 |
| Last MWD Survey (MD=15708.0') | | | | | | | | | | |
| 15,891.0 | 91.36 | 357.99 | 11,044.4 | 4,914.8 | -440.3 | 0.00 | 0.00 | 0.00 | 5.4 | -9.7 |
| Projection to Bit (MD=15891.0') - PBHL (Python 36 State #507H) | | | | | | | | | | |

eog resources

**EOG Resources**
Midland PVA

| | | | |
|---|---|---|---|
| **Company:** | EOG Resources - Midland | **Local Co-ordinate Reference:** | Well #507H |
| **Project:** | Lea County, NM (NAD 83 NME) | **TVD Reference:** | KB = 25 @ 3549.0usft |
| **Site:** | Python 36 State | **MD Reference:** | KB = 25 @ 3549.0usft |
| **Well:** | #507H | **North Reference:** | Grid |
| **Wellbore:** | OH | **Survey Calculation Method:** | Minimum Curvature |
| **Design:** | OH | **Database:** | EDM |

**Design Annotations**

| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates +N/-S (usft) | Local Coordinates +E/-W (usft) | Comment |
|---|---|---|---|---|
| 10,490.0 | 10,465.0 | -194.9 | -395.1 | KOP, MD:10490.0', TVD:10465.0',N/S:-194.9', E/W:-395.1', INC:2.64 |
| 10,651.9 | 10,620.1 | -154.0 | -398.1 | FTP Crossing, MD:10651.9', TVD:10620.1',N/S:-154.0', E/W:-398.1', INC:27.14 |
| 15,708.0 | 11,048.7 | 4,732.0 | -433.9 | Last MWD Survey (MD=15708.0') |
| 15,891.0 | 11,044.4 | 4,914.8 | -440.3 | Projection to Bit (MD=15891.0') |

Checked By: _____ Approved By: _____ Date: _____

*I certify this survey to be true and correct to the best of my belief and knowledge.*

Kay Maddox 10/14/2020

*Signed* *Date*

eog resources

Lea County, NM (NAD 83 NME)

Python 36 State #507H

Plan #1

Azimuths to Grid North
True North: -0.38°
Magnetic North: 6.42°

Magnetic Field
Strength: 47734.2nT
Dip Angle: 59.98°
Date: 1/22/2019
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.42°
To convert a Magnetic Direction to a True Direction, Add 6.80° East
To convert a True Direction to a Grid Direction, Subtract 0.38°

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: #507H

3524.0
KB = 25 @ 3549.0usft

| Northing | Easting | Latitude | Longitude |
|---|---|---|---|
| 430346.00 | 761538.00 | 32° 10' 3.262 N | 103° 37' 18.093 W |

SECTION DETAILS

| MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSect | Target |
|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 1200.0 | 0.00 | 0.00 | 1200.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 1500.0 | 6.00 | 243.66 | 1499.4 | -7.0 | -14.1 | 2.00 | 243.66 | -5.7 | |
| 5598.6 | 6.00 | 243.66 | 5575.6 | -197.0 | -397.9 | 0.00 | 0.00 | -159.9 | |
| 5898.5 | 0.00 | 0.00 | 5875.0 | -204.0 | -412.0 | 2.00 | 180.00 | -165.6 | |
| 10520.0 | 0.00 | 0.00 | 10496.5 | -204.0 | -412.0 | 0.00 | 0.00 | -165.6 | |
| 11425.5 | 90.54 | 359.57 | 11069.4 | 374.4 | -416.3 | 10.00 | 359.57 | 410.8 | |
| 14100.2 | 90.54 | 359.57 | 11044.0 | 3048.9 | -436.1 | 0.00 | 0.00 | 3076.0 | TGT#1(Python 36 State #507H) |
| 14119.9 | 90.15 | 359.57 | 11043.9 | 3068.6 | -436.3 | 2.00 | -180.00 | 3095.6 | |
| 15966.4 | 90.15 | 359.57 | 11039.0 | 4915.0 | -450.0 | 0.00 | 0.00 | 4935.6 | PBHL (Python 36 State #507H) |

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

| Name | TVD | +N/-S | +E/-W | Northing | Easting |
|---|---|---|---|---|---|
| Brushy Top (Python 36 State #507H) | 7375.0 | -204.0 | -412.0 | 425222.00 | 761126.00 |
| PBHL (Python 36 State #507H) | 11039.0 | 4915.0 | -450.0 | 430341.00 | 761088.00 |
| TGT#1(Python 36 State #507H) | 11044.0 | 3048.9 | -436.1 | 428474.90 | 761101.85 |
| FTP (Python 36 State #507H) | 11074.0 | -154.0 | -412.0 | 425272.00 | 761126.00 |