

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  
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District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

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

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                         |                                                   |                                 |                                                                        |
|-----------------------------------------|---------------------------------------------------|---------------------------------|------------------------------------------------------------------------|
| <sup>1</sup> API Number<br>30-025-46568 |                                                   | <sup>2</sup> Pool Code<br>98180 | <sup>3</sup> Pool Name<br>WC025 G09 S253309P; UPPER WOLFCAMP <b>KZ</b> |
| <sup>4</sup> Property Code<br>325949    | <sup>5</sup> Property Name<br>VALIANT 24 FED COM  |                                 | <sup>6</sup> Well Number<br>#701H                                      |
| <sup>7</sup> GRID No.<br>7377           | <sup>8</sup> Operator Name<br>EOG RESOURCES, INC. |                                 | <sup>9</sup> Elevation<br>3440'                                        |

<sup>10</sup>Surface Location

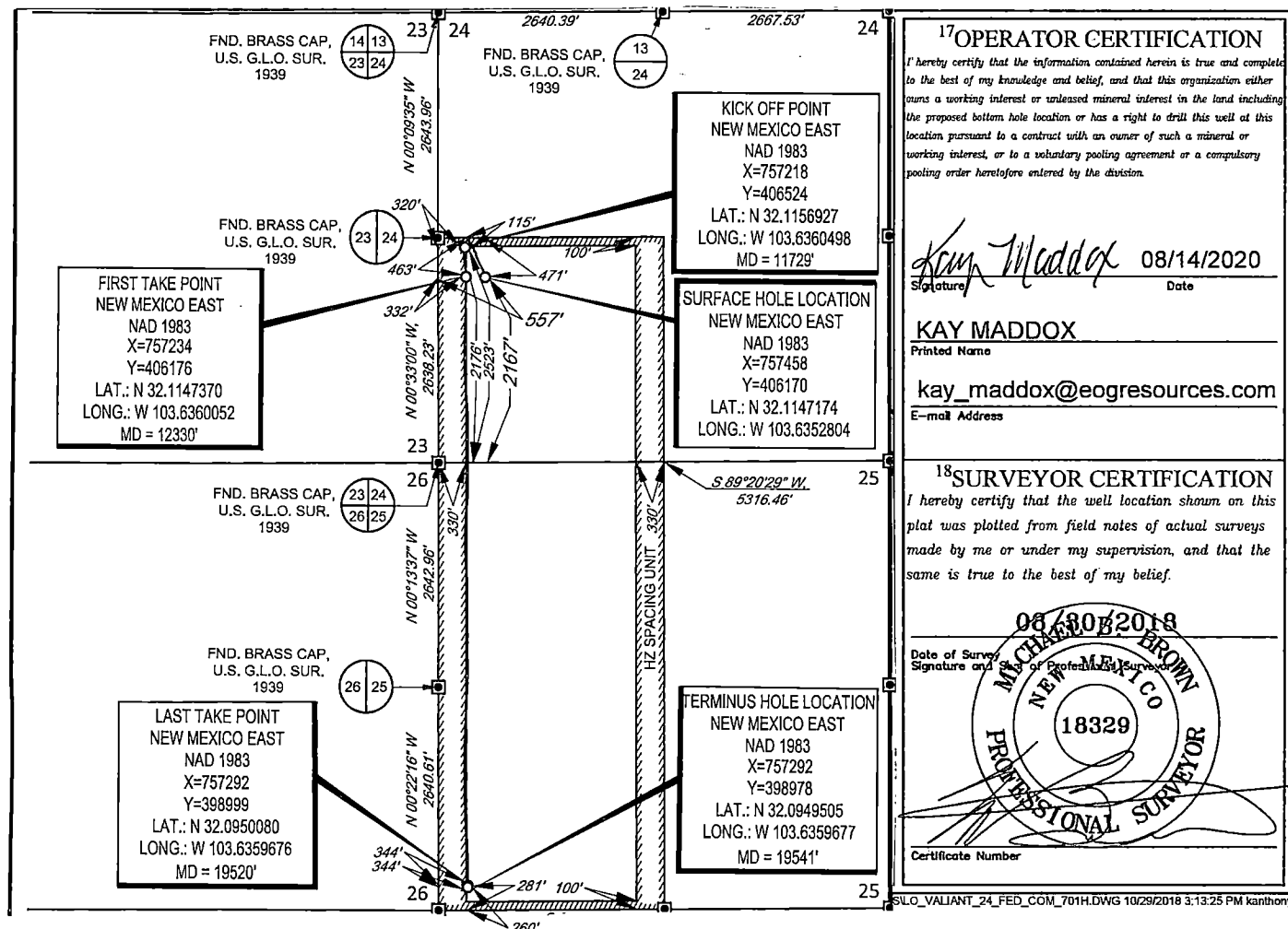
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| L             | 24      | 25-S     | 32-E  | -       | 2147'         | SOUTH            | 557'          | WEST           | LEA    |

<sup>11</sup>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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| M             | 25      | 25-S     | 32-E  | -       | 260'          | SOUTH            | 344'          | WEST           | LEA    |

|                                         |                               |                                  |                         |
|-----------------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres<br>480.00 | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No. |
|-----------------------------------------|-------------------------------|----------------------------------|-------------------------|

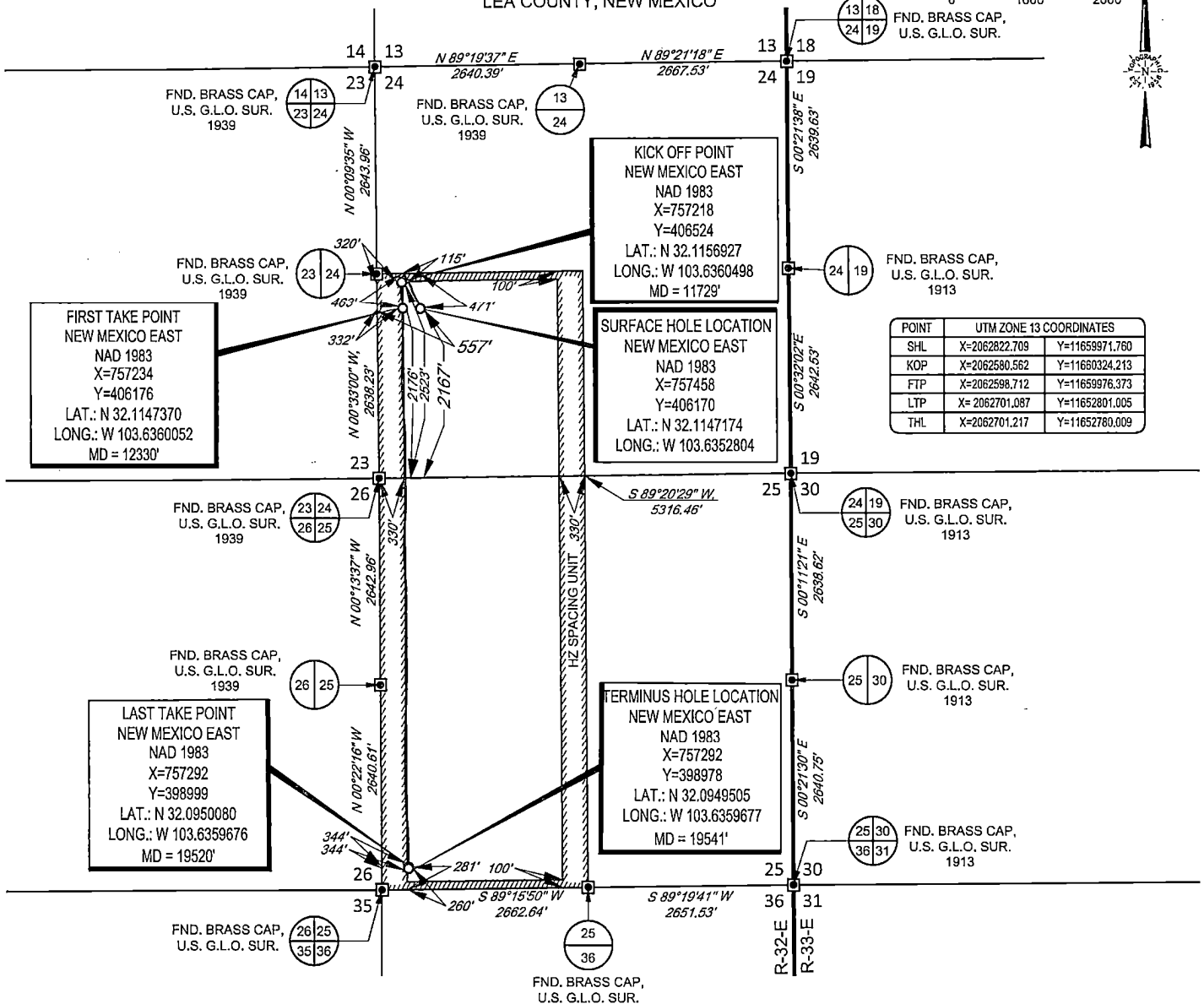
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



SECTION 24, TOWNSHIP 25-S, RANGE 32-E, N.M.P.M.  
LEA COUNTY, NEW MEXICO

SCALE: 1" = 2000'

0' 1000' 2000'



| POINT | UTM ZONE 13 COORDINATES |                |
|-------|-------------------------|----------------|
| SHL   | X=2062822.709           | Y=11659971.780 |
| KOP   | X=2062580.562           | Y=11680324.213 |
| FTP   | X=2062598.712           | Y=11659976.373 |
| LTP   | X=2062701.087           | Y=11652801.005 |
| THL   | X=2062701.217           | Y=11652780.009 |

LEASE NAME & WELL NO.: VALIANT 24 FED COM #701H  
SECTION 24 TWP 25-S RGE 32-E SURVEY N.M.P.M.  
COUNTY LEA STATE NM ELEVATION 3441'  
DESCRIPTION 2167' FSL & 557' FWL



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



Ramon A. Dominguez, P.S. No. 24508  
JUNE 9, 2020



|                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| VALIANT 24 FED COM<br>#701H<br>AS-COMplete<br><br>DATE: 06/09/2020<br>FILE: AD_VALIANT_24_FED_COM_701H<br>DRAWN BY: H.B.<br>SHEET: 1 OF 1 | REVISION: | 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. |
|                                                                                                                                           |           | 4. ADJOINER INFORMATION SHOWN FOR INFORMATIONAL PURPOSES ONLY.                                                                                                                                                                                                                                                                                                                       |



## **EOG Resources - Midland**

Lea County, NM (NAD 83 NME)

Valiant 24 Fed Com

#701H

OH

Design: OH

## **Midland PVA**

27 April, 2020



**EOG Resources**  
Midland PVA

|           |                             |                              |                       |
|-----------|-----------------------------|------------------------------|-----------------------|
| Company:  | EOG Resources - Midland     | Local Co-ordinate Reference: | Well #701H            |
| Project:  | Lea County, NM (NAD 83 NME) | TVD Reference:               | KB = 25 @ 3485.00usft |
| Site:     | Valiant 24 Fed Com          | MD Reference:                | KB = 25 @ 3485.00usft |
| Well:     | #701H                       | North Reference:             | Grid                  |
| Wellbore: | OH                          | Survey Calculation Method:   | Minimum Curvature     |
| Design:   | OH                          | Database:                    | EDM                   |

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

|                       |                    |                   |                   |
|-----------------------|--------------------|-------------------|-------------------|
| Site                  | Valiant 24 Fed Com |                   |                   |
| Site Position:        |                    | Northing:         | 406,151.00 usft   |
| From:                 | Map                | Easting:          | 760,107.00 usft   |
| Position Uncertainty: | 0.00 usft          | Slot Radius:      | 13-3/16 "         |
|                       |                    | Latitude:         | 32° 6' 52.620 N   |
|                       |                    | Longitude:        | 103° 37' 36.212 W |
|                       |                    | Grid Convergence: | 0.38 °            |

|                      |                |                     |                  |
|----------------------|----------------|---------------------|------------------|
| Well                 | #701H          |                     |                  |
| Well Position        | +N/-S<br>+E/-W | Northing:           | 406,170.00 usft  |
|                      |                | Easting:            | 757,458.00 usft  |
| Position Uncertainty | 0.00 usft      | Wellhead Elevation: | usft             |
|                      |                | Latitude:           | 32° 6' 52.979 N  |
|                      |                | Longitude:          | 103° 38' 7.010 W |
|                      |                | Ground Level:       | 3,440.00 usft    |

|           |            |                     |                 |
|-----------|------------|---------------------|-----------------|
| Wellbore  | OH         |                     |                 |
| Magnetics | Model Name | Sample Date         |                 |
|           | IGRF2015   | 3/16/2020           |                 |
|           |            | Declination (°)     | 6.68            |
|           |            | Dip Angle (°)       | 59.92           |
|           |            | Field Strength (nT) | 47,584.44525427 |

|                   |     |                         |        |
|-------------------|-----|-------------------------|--------|
| Design            | OH  |                         |        |
| Audit Notes:      |     |                         |        |
| Version:          | 1.0 | Phase:                  | ACTUAL |
|                   |     | Tie On Depth:           | 0.00   |
| Vertical Section: |     | Depth From (TVD) (usft) |        |
|                   |     | +N/-S (usft)            | 0.00   |
|                   |     | +E/-W (usft)            | 0.00   |
|                   |     | Direction (°)           | 181.40 |

|                |           |                    |  |
|----------------|-----------|--------------------|--|
| Survey Program | Date      | 4/27/2020          |  |
| From (usft)    | To (usft) | Survey (Wellbore)  |  |
| 197.00         | 19,541.00 | Drilltech MWD (OH) |  |
|                |           | EOG MWD+IFR1       |  |
|                |           | MWD + IFR1         |  |



EOG Resources  
Midland PVA

| Company: EOG Resources - Midland     |            |                      |               | Local Co-ordinate Reference: |               |                     |                      | Well #701H            |                        |                         |  |
|--------------------------------------|------------|----------------------|---------------|------------------------------|---------------|---------------------|----------------------|-----------------------|------------------------|-------------------------|--|
| Project: Lea County, NM (NAD 83 NME) |            |                      |               | TVD Reference:               |               |                     |                      | KB = 25 @ 3465.00usft |                        |                         |  |
| Site: Valiant 24 Fed Com             |            |                      |               | MD Reference:                |               |                     |                      | KB = 25 @ 3465.00usft |                        |                         |  |
| Well: #701H                          |            |                      |               | North Reference:             |               |                     |                      | Grid                  |                        |                         |  |
| Wellbore: OH                         |            |                      |               | Survey Calculation Method:   |               |                     |                      | Minimum Curvature     |                        |                         |  |
| Design: OH                           |            |                      |               | Database:                    |               |                     |                      | EDM                   |                        |                         |  |
| Survey                               |            |                      |               |                              |               |                     |                      |                       |                        |                         |  |
| MD<br>(usft)                         | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | N/S<br>(usft)                | E/W<br>(usft) | DLeg<br>(°/100usft) | Build<br>(°/100usft) | Turn<br>(°/100usft)   | High to Plan<br>(usft) | Right to Plan<br>(usft) |  |
| 0.00                                 | 0.00       | 0.00                 | 0.00          | 0.00                         | 0.00          | 0.00                | 0.00                 | 0.00                  | 0.00                   | 0.00                    |  |
| 197.00                               | 0.62       | 55.07                | 197.00        | 0.61                         | 0.87          | 0.31                | 0.31                 | 0.00                  | -1.07                  | 0.00                    |  |
| 226.00                               | 0.62       | 45.14                | 225.99        | 0.81                         | 1.11          | 0.37                | 0.00                 | -34.24                | -1.36                  | -0.21                   |  |
| 343.00                               | 0.70       | 47.68                | 342.99        | 1.74                         | 2.09          | 0.07                | 0.07                 | 2.17                  | -2.72                  | -0.12                   |  |
| 461.00                               | 0.70       | 51.90                | 460.98        | 2.67                         | 3.19          | 0.04                | 0.00                 | 3.58                  | -4.16                  | 0.13                    |  |
| 578.00                               | 0.35       | 67.81                | 577.97        | 3.24                         | 4.08          | 0.32                | -0.30                | 13.60                 | -5.01                  | 1.46                    |  |
| 773.00                               | 0.35       | 111.76               | 772.97        | 3.25                         | 5.19          | 0.13                | 0.00                 | 22.54                 | -3.61                  | 4.94                    |  |
| 819.00                               | 0.35       | 72.03                | 818.97        | 3.24                         | 5.45          | 0.52                | 0.00                 | -86.37                | -6.19                  | 1.40                    |  |
| 953.00                               | 0.62       | 80.73                | 952.96        | 3.48                         | 6.56          | 0.21                | 0.20                 | 6.49                  | -7.03                  | 2.38                    |  |
| 1,049.00                             | 1.41       | 14.64                | 1,048.95      | 4.71                         | 7.37          | 1.34                | 0.82                 | -68.84                | -6.11                  | -6.23                   |  |
| 1,145.00                             | 3.96       | 352.75               | 1,144.84      | 9.14                         | 7.25          | 2.82                | 2.66                 | -22.80                | -4.74                  | -9.69                   |  |
| 1,241.00                             | 3.96       | 348.27               | 1,240.61      | 15.68                        | 6.16          | 0.32                | 0.00                 | -4.67                 | -4.41                  | -12.18                  |  |
| 1,337.00                             | 5.45       | 337.37               | 1,336.29      | 23.13                        | 3.73          | 1.80                | 1.55                 | -11.35                | -0.46                  | -14.43                  |  |
| 1,432.00                             | 6.77       | 333.68               | 1,430.74      | 32.31                        | -0.49         | 1.45                | 1.39                 | -3.88                 | 0.28                   | -15.14                  |  |
| 1,529.00                             | 6.86       | 335.35               | 1,527.06      | 42.70                        | -5.44         | 0.22                | 0.09                 | 1.72                  | -1.57                  | -15.71                  |  |
| 1,625.00                             | 6.86       | 336.14               | 1,622.37      | 53.16                        | -10.15        | 0.10                | 0.00                 | 0.82                  | -3.26                  | -16.46                  |  |
| 1,721.00                             | 7.03       | 334.56               | 1,717.67      | 63.71                        | -14.99        | 0.27                | 0.18                 | -1.65                 | -4.41                  | -17.29                  |  |
| 1,817.00                             | 6.95       | 335.00               | 1,812.95      | 74.27                        | -19.97        | 0.10                | -0.08                | 0.46                  | -6.23                  | -17.86                  |  |
| 1,913.00                             | 6.86       | 335.26               | 1,908.26      | 84.75                        | -24.83        | 0.10                | -0.09                | 0.27                  | -7.86                  | -18.51                  |  |
| 2,009.00                             | 6.68       | 332.36               | 2,003.59      | 94.90                        | -29.82        | 0.40                | -0.19                | -3.02                 | -8.21                  | -19.37                  |  |
| 2,104.00                             | 6.77       | 333.42               | 2,097.94      | 104.80                       | -34.88        | 0.16                | 0.09                 | 1.12                  | -9.77                  | -19.49                  |  |
| 2,201.00                             | 6.95       | 332.63               | 2,194.24      | 115.13                       | -40.14        | 0.21                | 0.19                 | -0.81                 | -10.97                 | -19.95                  |  |
| 2,296.00                             | 6.95       | 331.83               | 2,288.54      | 125.30                       | -45.50        | 0.10                | 0.00                 | -0.84                 | -12.27                 | -20.28                  |  |
| 2,392.00                             | 7.03       | 331.22               | 2,383.83      | 135.57                       | -51.07        | 0.11                | 0.08                 | -0.64                 | -13.72                 | -20.47                  |  |
| 2,488.00                             | 6.95       | 328.58               | 2,479.12      | 145.67                       | -56.92        | 0.34                | -0.08                | -2.75                 | -14.44                 | -20.88                  |  |
| 2,584.00                             | 7.03       | 332.27               | 2,574.40      | 155.83                       | -62.68        | 0.48                | 0.08                 | 3.84                  | -17.40                 | -19.73                  |  |
| 2,680.00                             | 6.86       | 332.71               | 2,669.70      | 166.12                       | -68.05        | 0.19                | -0.18                | 0.46                  | -19.14                 | -19.81                  |  |



EOG Resources  
Midland PVA

| Company:<br>EOG Resources - Midland     |            | Local Co-ordinate Reference:<br>Well #701H      |               |               |               |                     |                      |                     |                        |                         |
|-----------------------------------------|------------|-------------------------------------------------|---------------|---------------|---------------|---------------------|----------------------|---------------------|------------------------|-------------------------|
| Project:<br>Lea County, NM (NAD 83 NME) |            | TVD Reference:<br>KB = 25 @ 3465.00usft.        |               |               |               |                     |                      |                     |                        |                         |
| Site:<br>Valiant 24 Fed Com             |            | MD Reference:<br>KB = 25 @ 3465.00usft          |               |               |               |                     |                      |                     |                        |                         |
| Well:<br>#701H                          |            | North Reference:<br>Grid                        |               |               |               |                     |                      |                     |                        |                         |
| Wellbore:<br>OH                         |            | Survey Calculation Method:<br>Minimum Curvature |               |               |               |                     |                      |                     |                        |                         |
| Design:<br>OH                           |            | Database:<br>EDM                                |               |               |               |                     |                      |                     |                        |                         |
| Survey                                  |            |                                                 |               |               |               |                     |                      |                     |                        |                         |
| MD<br>(usft)                            | Inc<br>(°) | Azi (azimuth)<br>(°)                            | TVD<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | DLeg<br>(°/100usft) | Build<br>(°/100usft) | Turn<br>(°/100usft) | High to Plan<br>(usft) | Right to Plan<br>(usft) |
| 2,776.00                                | 6.95       | 334.47                                          | 2,765.00      | 176.46        | -73.18        | 0.24                | 0.09                 | 1.83                | -21.27                 | -19.60                  |
| 2,872.00                                | 6.95       | 335.53                                          | 2,860.30      | 186.99        | -78.09        | 0.13                | 0.00                 | 1.10                | -23.25                 | -19.85                  |
| 2,968.00                                | 6.95       | 336.32                                          | 2,955.59      | 197.59        | -82.83        | 0.10                | 0.00                 | 0.82                | -25.15                 | -20.34                  |
| 3,064.00                                | 7.03       | 337.90                                          | 3,050.88      | 208.36        | -87.37        | 0.22                | 0.08                 | 1.65                | -27.43                 | -20.65                  |
| 3,160.00                                | 7.21       | 337.90                                          | 3,146.14      | 219.38        | -91.85        | 0.19                | 0.19                 | 0.00                | -29.38                 | -21.81                  |
| 3,256.00                                | 6.60       | 335.61                                          | 3,241.44      | 229.99        | -96.39        | 0.70                | -0.64                | -2.39               | -30.04                 | -23.96                  |
| 3,352.00                                | 6.51       | 336.14                                          | 3,336.81      | 239.99        | -100.87       | 0.11                | -0.09                | 0.55                | -31.23                 | -24.49                  |
| 3,448.00                                | 6.51       | 341.85                                          | 3,432.20      | 250.14        | -104.77       | 0.67                | 0.00                 | 5.95                | -34.50                 | -22.59                  |
| 3,544.00                                | 6.33       | 350.20                                          | 3,527.60      | 260.52        | -107.36       | 0.99                | -0.19                | 8.70                | -38.60                 | -19.83                  |
| 3,640.00                                | 5.80       | 351.17                                          | 3,623.06      | 270.53        | -109.01       | 0.56                | -0.55                | 1.01                | -39.64                 | -22.50                  |
| 3,737.00                                | 5.36       | 4.18                                            | 3,719.60      | 279.89        | -109.43       | 1.38                | -0.45                | 13.41               | -44.48                 | -17.43                  |
| 3,833.00                                | 5.80       | 332.89                                          | 3,815.17      | 288.69        | -111.31       | 3.16                | 0.46                 | -32.59              | -27.68                 | -40.56                  |
| 3,929.00                                | 6.42       | 323.22                                          | 3,910.63      | 297.30        | -116.74       | 1.25                | 0.65                 | -10.07              | -20.74                 | -44.02                  |
| 4,025.00                                | 5.63       | 322.87                                          | 4,006.09      | 305.36        | -122.80       | 0.82                | -0.82                | -0.36               | -20.62                 | -42.73                  |
| 4,121.00                                | 4.48       | 329.90                                          | 4,101.72      | 312.35        | -127.52       | 1.36                | -1.20                | 7.32                | -24.05                 | -39.09                  |
| 4,217.00                                | 2.73       | 336.93                                          | 4,197.53      | 317.70        | -130.29       | 1.88                | -1.82                | 7.32                | -24.64                 | -36.41                  |
| 4,313.00                                | 4.84       | 335.09                                          | 4,293.31      | 323.48        | -132.90       | 2.20                | 2.20                 | -1.92               | -19.79                 | -37.92                  |
| 4,409.00                                | 5.28       | 335.88                                          | 4,388.94      | 331.18        | -136.41       | 0.46                | 0.46                 | 0.82                | -18.78                 | -38.40                  |
| 4,600.00                                | 2.81       | 12.00                                           | 4,579.48      | 343.79        | -139.03       | 1.80                | -1.29                | 18.91               | -34.44                 | -27.83                  |
| 4,696.00                                | 4.13       | 333.94                                          | 4,675.31      | 349.20        | -140.06       | 2.69                | 1.37                 | -39.65              | -5.27                  | -45.06                  |
| 4,792.00                                | 6.24       | 324.54                                          | 4,770.91      | 356.55        | -144.60       | 2.36                | 2.20                 | -9.79               | 3.46                   | -44.71                  |
| 4,888.00                                | 5.36       | 319.00                                          | 4,866.42      | 364.19        | -150.57       | 1.09                | -0.92                | -5.77               | 7.87                   | -42.55                  |
| 4,984.00                                | 5.19       | 317.16                                          | 4,962.01      | 370.75        | -156.46       | 0.25                | -0.18                | -1.92               | 10.15                  | -39.98                  |
| 5,080.00                                | 5.28       | 316.81                                          | 5,057.61      | 377.16        | -162.44       | 0.10                | 0.09                 | -0.36               | 11.35                  | -37.44                  |
| 5,175.00                                | 4.92       | 314.61                                          | 5,152.24      | 383.21        | -168.33       | 0.43                | -0.38                | -2.32               | 13.86                  | -34.31                  |
| 5,271.00                                | 5.36       | 327.18                                          | 5,247.85      | 389.86        | -173.69       | 1.26                | 0.46                 | 13.09               | 7.59                   | -34.89                  |
| 5,367.00                                | 5.80       | 335.88                                          | 5,343.40      | 398.06        | -178.11       | 0.99                | 0.46                 | 9.06                | 2.97                   | -35.77                  |



EOG Resources  
Midland PVA

|                              |            |                             |               |               |               |                     |                      |                     |                        |                         |  |                              |  |                       |  |
|------------------------------|------------|-----------------------------|---------------|---------------|---------------|---------------------|----------------------|---------------------|------------------------|-------------------------|--|------------------------------|--|-----------------------|--|
| Company:                     |            | EOG Resources - Midland     |               |               |               |                     |                      |                     |                        |                         |  | Local Co-ordinate Reference: |  | Well #701H            |  |
| Project:                     |            | Lea County, NM (NAD 83 NME) |               |               |               |                     |                      |                     |                        |                         |  | TVD Reference:               |  | KB = 25 @ 3465.00usft |  |
| Site:                        |            | Vallant 24 Fed Com          |               |               |               |                     |                      |                     |                        |                         |  | MD Reference:                |  | KB = 25 @ 3465.00usft |  |
| Well:                        |            | #701H                       |               |               |               |                     |                      |                     |                        |                         |  | North Reference:             |  | Grid                  |  |
| Wellbore:                    |            | OH                          |               |               |               |                     |                      |                     |                        |                         |  | Survey Calculation Method:   |  | Minimum Curvature     |  |
| Design:                      |            | OH                          |               |               |               |                     |                      |                     |                        |                         |  | Database:                    |  | EDM                   |  |
| Survey                       |            |                             |               |               |               |                     |                      |                     |                        |                         |  |                              |  |                       |  |
| MD<br>(usft)                 | Inc<br>(°) | Azi (azimuth)<br>(°)        | TVD<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | DLeg<br>(°/100usft) | Build<br>(°/100usft) | Turn<br>(°/100usft) | High to Plan<br>(usft) | Right to Plan<br>(usft) |  |                              |  |                       |  |
| 5,463.00                     | 5.63       | 334.03                      | 5,438.92      | 406.72        | -182.15       | 0.26                | -0.18                | -1.93               | 4.58                   | -36.30                  |  |                              |  |                       |  |
| 5,558.00                     | 5.19       | 338.69                      | 5,533.50      | 414.91        | -185.75       | 0.65                | -0.46                | 4.91                | 2.53                   | -37.46                  |  |                              |  |                       |  |
| 5,655.00                     | 5.01       | 338.34                      | 5,630.12      | 422.94        | -188.91       | 0.19                | -0.19                | -0.36               | 3.12                   | -38.59                  |  |                              |  |                       |  |
| 5,751.00                     | 3.08       | 329.29                      | 5,725.87      | 429.05        | -191.77       | 2.11                | -2.01                | -9.43               | 8.18                   | -38.09                  |  |                              |  |                       |  |
| 5,847.00                     | 1.67       | 296.41                      | 5,821.79      | 431.89        | -194.34       | 1.99                | -1.47                | -34.25              | 26.08                  | -27.49                  |  |                              |  |                       |  |
| 5,943.00                     | 2.02       | 298.08                      | 5,917.74      | 433.31        | -197.09       | 0.37                | 0.36                 | 1.74                | 22.29                  | -28.12                  |  |                              |  |                       |  |
| 6,039.00                     | 1.76       | 292.20                      | 6,013.69      | 434.66        | -199.95       | 0.34                | -0.27                | -6.12               | 21.90                  | -25.86                  |  |                              |  |                       |  |
| 6,134.00                     | 0.88       | 305.82                      | 6,108.67      | 435.64        | -201.89       | 0.98                | -0.93                | 14.34               | 13.05                  | -29.95                  |  |                              |  |                       |  |
| 6,229.00                     | 1.06       | 330.69                      | 6,203.65      | 436.83        | -202.91       | 0.48                | 0.19                 | 26.18               | -2.29                  | -32.35                  |  |                              |  |                       |  |
| 6,325.00                     | 1.41       | 344.14                      | 6,299.63      | 438.74        | -203.67       | 0.47                | 0.36                 | 14.01               | -11.79                 | -30.73                  |  |                              |  |                       |  |
| 6,421.00                     | 1.58       | 343.88                      | 6,395.60      | 441.15        | -204.36       | 0.18                | 0.18                 | -0.27               | -14.16                 | -30.78                  |  |                              |  |                       |  |
| 6,518.00                     | 1.32       | 343.79                      | 6,492.57      | 443.51        | -205.04       | 0.27                | -0.27                | -0.09               | -16.56                 | -30.81                  |  |                              |  |                       |  |
| 6,614.00                     | 1.49       | 348.36                      | 6,588.54      | 445.79        | -205.60       | 0.21                | 0.18                 | 4.76                | -21.32                 | -29.30                  |  |                              |  |                       |  |
| 6,710.00                     | 1.49       | 330.34                      | 6,684.51      | 448.10        | -206.47       | 0.49                | 0.00                 | -18.77              | -13.64                 | -34.85                  |  |                              |  |                       |  |
| 6,806.00                     | 1.32       | 336.76                      | 6,780.48      | 450.20        | -207.53       | 0.24                | -0.18                | 6.69                | -19.80                 | -32.96                  |  |                              |  |                       |  |
| 6,902.00                     | 1.06       | 331.92                      | 6,876.46      | 452.00        | -208.38       | 0.29                | -0.27                | -5.04               | -18.94                 | -34.61                  |  |                              |  |                       |  |
| 6,999.00                     | 0.97       | 335.53                      | 6,973.44      | 453.54        | -209.14       | 0.11                | -0.09                | 3.72                | -22.80                 | -33.29                  |  |                              |  |                       |  |
| 7,095.00                     | 0.53       | 162.91                      | 7,069.44      | 453.86        | -209.35       | 1.56                | -0.46                | -179.81             | 27.25                  | 29.98                   |  |                              |  |                       |  |
| 7,191.00                     | 1.14       | 161.24                      | 7,165.43      | 452.53        | -208.91       | 0.64                | 0.64                 | -1.74               | 24.96                  | 30.75                   |  |                              |  |                       |  |
| 7,287.00                     | 1.06       | 181.37                      | 7,261.41      | 450.73        | -208.63       | 0.41                | -0.08                | 20.97               | 32.23                  | 20.61                   |  |                              |  |                       |  |
| 7,383.00                     | 1.23       | 193.58                      | 7,357.39      | 448.85        | -208.89       | 0.31                | 0.18                 | 12.72               | 33.97                  | 13.52                   |  |                              |  |                       |  |
| 7,388.24                     | 1.22       | 192.78                      | 7,362.63      | 448.74        | -208.91       | 0.39                | -0.22                | -15.23              | 33.66                  | 13.99                   |  |                              |  |                       |  |
| Brushy Top (VAL 24 FC #701H) |            |                             |               |               |               |                     |                      |                     |                        |                         |  |                              |  |                       |  |
| 7,479.00                     | 1.06       | 176.53                      | 7,453.37      | 446.96        | -209.08       | 0.39                | -0.17                | -17.91              | 26.64                  | 22.58                   |  |                              |  |                       |  |
| 7,575.00                     | 1.06       | 177.67                      | 7,549.35      | 445.18        | -208.99       | 0.02                | 0.00                 | 1.19                | 25.31                  | 22.06                   |  |                              |  |                       |  |
| 7,671.00                     | 1.06       | 186.38                      | 7,645.34      | 443.41        | -209.05       | 0.17                | 0.00                 | 9.07                | 26.59                  | 18.11                   |  |                              |  |                       |  |
| 7,767.00                     | 1.41       | 194.64                      | 7,741.32      | 441.39        | -209.45       | 0.41                | 0.36                 | 8.60                | 26.85                  | 14.23                   |  |                              |  |                       |  |



EOG Resources  
Midland PVA

|           |                             |                              |                       |
|-----------|-----------------------------|------------------------------|-----------------------|
| Company:  | EOG Resources - Midland     | Local Co-ordinate Reference: | Well #701H            |
| Project:  | Lea County, NM (NAD 83 NME) | TVD Reference:               | KB = 25 @ 3465.00usft |
| Site:     | Valiant 24 Fed Com          | MD Reference:                | KB = 25 @ 3465.00usft |
| Well:     | #701H                       | North Reference:             | Grid                  |
| Wellbore: | OH                          | Survey Calculation Method:   | Minimum Curvature     |
| Design:   | OH                          | Database:                    | EDM                   |

| Survey       |            |                      |               |               |               |                     |                      |                     |                        |                         |  |  |  |
|--------------|------------|----------------------|---------------|---------------|---------------|---------------------|----------------------|---------------------|------------------------|-------------------------|--|--|--|
| MD<br>(usft) | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | DLeg<br>(°/100usft) | Build<br>(°/100usft) | Turn<br>(°/100usft) | High to Plan<br>(usft) | Right to Plan<br>(usft) |  |  |  |
| 7,864.00     | 1.49       | 204.57               | 7,838.28      | 439.09        | -210.27       | 0.27                | 0.08                 | 10.24               | 26.47                  | 9.59                    |  |  |  |
| 7,960.00     | 1.41       | 212.92               | 7,934.25      | 436.96        | -211.43       | 0.24                | -0.08                | 8.70                | 25.17                  | 5.83                    |  |  |  |
| 8,056.00     | 1.14       | 212.39               | 8,030.23      | 435.16        | -212.59       | 0.28                | -0.28                | -0.55               | 22.98                  | 6.05                    |  |  |  |
| 8,153.00     | 1.49       | 209.14               | 8,127.20      | 433.25        | -213.72       | 0.37                | 0.36                 | -3.35               | 20.37                  | 7.29                    |  |  |  |
| 8,249.00     | 1.41       | 207.29               | 8,223.17      | 431.11        | -214.87       | 0.10                | -0.08                | -1.93               | 17.70                  | 7.90                    |  |  |  |
| 8,345.00     | 1.41       | 212.30               | 8,319.14      | 429.06        | -216.04       | 0.13                | 0.00                 | 5.22                | 15.96                  | 6.43                    |  |  |  |
| 8,441.00     | 1.32       | 212.22               | 8,415.12      | 427.12        | -217.26       | 0.09                | -0.09                | -0.08               | 13.66                  | 6.45                    |  |  |  |
| 8,537.00     | 1.14       | 219.77               | 8,511.10      | 425.46        | -218.46       | 0.25                | -0.19                | 7.86                | 12.34                  | 4.74                    |  |  |  |
| 8,633.00     | 1.23       | 214.59               | 8,607.07      | 423.87        | -219.66       | 0.15                | 0.09                 | -5.40               | 9.88                   | 5.75                    |  |  |  |
| 8,729.00     | 1.14       | 214.59               | 8,703.05      | 422.24        | -220.78       | 0.09                | -0.09                | 0.00                | 7.90                   | 5.75                    |  |  |  |
| 8,825.00     | 1.32       | 226.01               | 8,799.03      | 420.68        | -222.12       | 0.32                | 0.19                 | 11.90               | 6.84                   | 4.26                    |  |  |  |
| 8,921.00     | 1.32       | 229.79               | 8,895.01      | 419.20        | -223.76       | 0.09                | 0.00                 | 3.94                | 4.89                   | 3.87                    |  |  |  |
| 9,018.00     | 1.41       | 238.41               | 8,991.98      | 417.86        | -225.63       | 0.23                | 0.09                 | 8.89                | 3.12                   | 3.26                    |  |  |  |
| 9,114.00     | 1.67       | 250.10               | 9,087.94      | 416.76        | -227.95       | 0.42                | 0.27                 | 12.18               | 1.16                   | 2.80                    |  |  |  |
| 9,210.00     | 1.23       | 256.69               | 9,183.91      | 416.05        | -230.27       | 0.49                | -0.46                | 6.86                | -0.94                  | 2.81                    |  |  |  |
| 9,306.00     | 1.49       | 263.98               | 9,279.89      | 415.68        | -232.52       | 0.32                | 0.27                 | 7.59                | -2.85                  | 3.04                    |  |  |  |
| 9,402.00     | 1.14       | 274.79               | 9,375.86      | 415.63        | -234.71       | 0.45                | -0.36                | 11.26               | -4.41                  | 3.75                    |  |  |  |
| 9,497.00     | 0.88       | 269.52               | 9,470.85      | 415.70        | -236.38       | 0.29                | -0.27                | -5.55               | -6.41                  | 3.25                    |  |  |  |
| 9,593.00     | 0.88       | 220.04               | 9,566.84      | 415.13        | -237.59       | 0.77                | 0.00                 | -51.54              | -7.85                  | -3.32                   |  |  |  |
| 9,689.00     | 1.06       | 227.77               | 9,662.82      | 413.97        | -238.72       | 0.23                | 0.19                 | 8.05                | -9.84                  | -2.14                   |  |  |  |
| 9,786.00     | 0.70       | 219.95               | 9,759.81      | 412.91        | -239.77       | 0.39                | -0.37                | -8.06               | -10.94                 | -3.58                   |  |  |  |
| 9,882.00     | 1.41       | 158.78               | 9,855.80      | 411.36        | -239.72       | 1.29                | 0.74                 | -63.72              | -3.60                  | -11.82                  |  |  |  |
| 9,978.00     | 1.14       | 166.25               | 9,951.77      | 409.33        | -239.06       | 0.33                | -0.28                | 7.78                | -7.23                  | -11.10                  |  |  |  |
| 10,074.00    | 1.06       | 162.47               | 10,047.76     | 407.56        | -238.57       | 0.11                | -0.08                | -3.94               | -8.33                  | -11.62                  |  |  |  |
| 10,170.00    | 1.06       | 174.86               | 10,143.74     | 405.83        | -238.22       | 0.24                | 0.00                 | 12.91               | -12.38                 | -9.37                   |  |  |  |
| 10,266.00    | 0.97       | 187.52               | 10,239.72     | 404.14        | -238.25       | 0.25                | -0.09                | 13.19               | -15.81                 | -6.23                   |  |  |  |
| 10,362.00    | 1.06       | 190.42               | 10,335.71     | 402.46        | -238.51       | 0.11                | 0.09                 | 3.02                | -17.81                 | -5.38                   |  |  |  |



EOG Resources  
Midland PVA

| Company: EOG Resources - Midland                                               |            |                      |               | Local Co-ordinate Reference: |               |                     |                      |                     |                        |                         |  |
|--------------------------------------------------------------------------------|------------|----------------------|---------------|------------------------------|---------------|---------------------|----------------------|---------------------|------------------------|-------------------------|--|
| Project: Lea County, NM (NAD 83 NME)                                           |            |                      |               | TVD Reference:               |               |                     |                      |                     |                        |                         |  |
| Site: Vallant 24 Fed Com                                                       |            |                      |               | MD Reference:                |               |                     |                      |                     |                        |                         |  |
| Well: #701H                                                                    |            |                      |               | North Reference:             |               |                     |                      |                     |                        |                         |  |
| Wellbore: OH                                                                   |            |                      |               | Survey Calculation Method:   |               |                     |                      |                     |                        |                         |  |
| Design: OH                                                                     |            |                      |               | Database:                    |               |                     |                      |                     |                        |                         |  |
| Survey                                                                         |            |                      |               |                              |               |                     |                      |                     |                        |                         |  |
| MD<br>(usft)                                                                   | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | N/S<br>(usft)                | E/W<br>(usft) | DLeg<br>(°/100usft) | Build<br>(°/100usft) | Turn<br>(°/100usft) | High to Plan<br>(usft) | Right to Plan<br>(usft) |  |
| 10,458.00                                                                      | 0.97       | 145.07               | 10,431.70     | 400.92                       | -238.21       | 0.82                | -0.09                | -47.24              | -10.12                 | -17.08                  |  |
| 10,554.00                                                                      | 1.67       | 130.21               | 10,527.67     | 399.35                       | -236.68       | 0.81                | 0.73                 | -15.48              | -7.58                  | -19.32                  |  |
| 10,650.00                                                                      | 1.32       | 140.85               | 10,623.64     | 397.59                       | -234.91       | 0.46                | -0.36                | 11.08               | -13.50                 | -17.33                  |  |
| 10,747.00                                                                      | 0.88       | 140.67               | 10,720.62     | 396.15                       | -233.73       | 0.45                | -0.45                | -0.19               | -15.31                 | -17.37                  |  |
| 10,843.00                                                                      | 1.14       | 130.83               | 10,816.60     | 394.95                       | -232.54       | 0.32                | 0.27                 | -10.25              | -13.80                 | -19.86                  |  |
| 10,939.00                                                                      | 1.93       | 137.86               | 10,912.57     | 393.13                       | -230.74       | 0.84                | 0.82                 | 7.32                | -18.69                 | -17.91                  |  |
| 11,035.00                                                                      | 2.29       | 185.32               | 11,008.51     | 390.02                       | -229.83       | 1.80                | 0.37                 | 49.44               | -28.84                 | 2.86                    |  |
| 11,130.00                                                                      | 2.99       | 192.62               | 11,103.41     | 385.71                       | -230.55       | 0.82                | 0.74                 | 7.68                | -32.60                 | 6.75                    |  |
| 11,226.00                                                                      | 3.25       | 188.49               | 11,199.27     | 380.58                       | -231.49       | 0.36                | 0.27                 | -4.30               | -38.22                 | 4.20                    |  |
| 11,322.00                                                                      | 2.64       | 216.61               | 11,295.15     | 376.11                       | -233.21       | 1.61                | -0.64                | 29.29               | -36.33                 | 23.01                   |  |
| 11,418.00                                                                      | 3.17       | 205.45               | 11,391.02     | 371.94                       | -235.67       | 0.80                | 0.55                 | -11.62              | -44.92                 | 15.12                   |  |
| 11,467.00                                                                      | 3.34       | 197.71               | 11,439.94     | 369.36                       | -236.69       | 0.96                | 0.35                 | -15.80              | -49.32                 | 8.74                    |  |
| 11,473.44                                                                      | 3.33       | 197.79               | 11,446.37     | 369.00                       | -236.80       | 0.12                | -0.10                | 1.19                | -49.69                 | 8.81                    |  |
| FTP Crossing, MD:11473.44', TVD:11446.37', N/S:369.00', E/W:-236.80', INC:3.33 |            |                      |               |                              |               |                     |                      |                     |                        |                         |  |
| 11,561.00                                                                      | 3.25       | 198.86               | 11,533.79     | 364.23                       | -238.38       | 0.12                | -0.10                | 1.23                | -54.54                 | 9.79                    |  |
| 11,656.00                                                                      | 3.08       | 196.66               | 11,628.64     | 359.23                       | -239.99       | 0.22                | -0.18                | -2.32               | -60.12                 | 7.58                    |  |
| 11,729.00                                                                      | 6.45       | 179.58               | 11,701.38     | 353.25                       | -240.52       | 4.96                | 4.62                 | -23.40              | -65.66                 | -11.07                  |  |
| KOP, MD:11729.00', TVD:11701.38', N/S:353.25', E/W:-240.52', INC:6.45          |            |                      |               |                              |               |                     |                      |                     |                        |                         |  |
| 11,752.00                                                                      | 7.56       | 177.41               | 11,724.21     | 350.45                       | -240.44       | 4.96                | 4.83                 | -9.42               | -67.53                 | -13.55                  |  |
| 11,848.00                                                                      | 21.46      | 178.73               | 11,816.92     | 326.47                       | -239.76       | 14.48               | 14.48                | 1.37                | -76.22                 | -11.56                  |  |
| 11,944.00                                                                      | 27.00      | 185.94               | 11,904.45     | 287.20                       | -241.63       | 6.53                | 5.77                 | 7.51                | -78.91                 | -4.99                   |  |
| 12,040.00                                                                      | 37.99      | 182.68               | 11,985.30     | 235.85                       | -245.28       | 11.59               | 11.45                | -3.40               | -71.19                 | -13.79                  |  |
| 12,087.14                                                                      | 44.77      | 175.01               | 12,020.68     | 204.76                       | -244.51       | 17.94               | 14.38                | -16.27              | -65.06                 | -19.38                  |  |
| FTP(VALL 24 FC #701H)                                                          |            |                      |               |                              |               |                     |                      |                     |                        |                         |  |
| 12,135.00                                                                      | 52.06      | 168.94               | 12,052.44     | 169.39                       | -239.42       | 17.94               | 15.24                | -12.68              | -60.09                 | -17.23                  |  |
| 12,231.00                                                                      | 55.75      | 174.30               | 12,109.01     | 92.69                        | -228.20       | 5.92                | 3.84                 | 5.58                | -45.60                 | -1.88                   |  |
| 12,327.00                                                                      | 65.33      | 180.37               | 12,156.20     | 9.34                         | -224.53       | 11.39               | 9.98                 | 6.32                | -20.68                 | 2.93                    |  |



EOG Resources  
Midland PVA

Company: EOG Resources - Midland  
Project: Lea County, NM (NAD 83 NME)  
Site: Valiant 24 Fed Com  
Well: #701H  
Wellbore: OH  
Design: OH

Local Co-ordinate Reference:  
TVD Reference:  
MD Reference:  
North Reference:  
Survey Calculation Method:  
Database:

Well #701H  
KB = 25 @ 3465.00usft  
KB = 25 @ 3465.00usft  
Grid  
Minimum Curvature  
EDM

Survey

| MD<br>(usft) | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | N/S<br>(usft) | EW<br>(usft) | DLeg<br>(°/100usft) | Build<br>(°/100usft) | Turn<br>(°/100usft) | High to Plan<br>(usft) | Right to Plan<br>(usft) |
|--------------|------------|----------------------|---------------|---------------|--------------|---------------------|----------------------|---------------------|------------------------|-------------------------|
| 12,423.00    | 80.90      | 177.20               | 12,184.01     | -82.20        | -222.49      | 16.52               | 16.22                | -3.30               | 1.86                   | 4.24                    |
| 12,518.00    | 96.46      | 180.54               | 12,186.19     | -176.86       | -220.63      | 16.75               | 16.38                | 3.52                | 3.51                   | 5.47                    |
| 12,614.00    | 90.48      | 181.60               | 12,180.38     | -272.62       | -222.42      | 6.33                | -6.23                | 1.10                | -2.82                  | 3.03                    |
| 12,710.00    | 93.12      | 181.95               | 12,177.37     | -368.52       | -225.39      | 2.77                | 2.75                 | 0.36                | -6.39                  | -0.57                   |
| 12,806.00    | 92.86      | 181.33               | 12,172.36     | -464.35       | -228.14      | 0.70                | -0.27                | -0.65               | -11.95                 | -3.94                   |
| 12,901.00    | 91.80      | 181.16               | 12,168.50     | -559.24       | -230.20      | 1.13                | -1.12                | -0.18               | -16.36                 | -6.63                   |
| 12,997.00    | 89.08      | 181.16               | 12,167.76     | -655.21       | -232.14      | 2.83                | -2.83                | 0.00                | -17.65                 | -9.19                   |
| 13,094.00    | 91.98      | 179.93               | 12,166.86     | -752.19       | -233.06      | 3.25                | 2.99                 | -1.27               | -19.10                 | -10.77                  |
| 13,190.00    | 95.94      | 182.39               | 12,160.23     | -847.92       | -235.00      | 4.85                | 4.12                 | 2.56                | -26.25                 | -13.39                  |
| 13,286.00    | 90.92      | 179.58               | 12,154.49     | -943.69       | -236.64      | 5.99                | -5.23                | -2.93               | -32.57                 | -15.59                  |
| 13,382.00    | 88.55      | 177.20               | 12,154.93     | -1,039.64     | -233.94      | 3.50                | -2.47                | -2.48               | -32.68                 | -13.53                  |
| 13,478.00    | 85.21      | 177.64               | 12,160.16     | -1,135.38     | -229.63      | 3.51                | -3.48                | 0.46                | -28.00                 | -9.87                   |
| 13,574.00    | 85.82      | 175.45               | 12,167.67     | -1,230.91     | -223.86      | 2.36                | 0.64                 | -2.28               | -21.05                 | -4.71                   |
| 13,670.00    | 90.92      | 177.03               | 12,170.40     | -1,326.63     | -217.57      | 5.56                | 5.31                 | 1.65                | -18.87                 | 0.95                    |
| 13,766.00    | 90.57      | 175.01               | 12,169.15     | -1,422.38     | -210.91      | 2.14                | -0.36                | -2.10               | -20.68                 | 6.97                    |
| 13,862.00    | 91.89      | 175.01               | 12,167.09     | -1,518.00     | -202.56      | 1.37                | 1.37                 | 0.00                | -23.30                 | 14.70                   |
| 13,959.00    | 90.66      | 178.52               | 12,164.93     | -1,614.80     | -197.09      | 3.83                | -1.27                | 3.62                | -26.00                 | 19.55                   |
| 14,055.00    | 89.87      | 178.61               | 12,164.48     | -1,710.77     | -194.68      | 0.83                | -0.82                | 0.09                | -27.00                 | 21.32                   |
| 14,150.00    | 92.24      | 182.13               | 12,162.74     | -1,805.73     | -195.30      | 4.47                | 2.49                 | 3.71                | -29.30                 | 20.08                   |
| 14,247.00    | 89.25      | 180.19               | 12,161.47     | -1,902.69     | -197.26      | 3.67                | -3.08                | -2.00               | -31.11                 | 17.49                   |
| 14,342.00    | 92.33      | 180.63               | 12,160.16     | -1,997.66     | -197.94      | 3.28                | 3.24                 | 0.46                | -32.96                 | 16.19                   |
| 14,438.00    | 90.75      | 179.14               | 12,157.58     | -2,093.62     | -197.75      | 2.26                | -1.65                | -1.55               | -36.10                 | 15.75                   |
| 14,534.00    | 92.51      | 178.96               | 12,154.85     | -2,189.57     | -196.15      | 1.84                | 1.83                 | -0.19               | -39.38                 | 16.72                   |
| 14,631.00    | 89.78      | 178.61               | 12,152.92     | -2,286.52     | -194.10      | 2.84                | -2.81                | -0.36               | -41.88                 | 18.12                   |
| 14,727.00    | 88.55      | 178.70               | 12,154.31     | -2,382.48     | -191.85      | 1.28                | -1.28                | 0.09                | -41.04                 | 19.74                   |
| 14,823.00    | 93.21      | 180.98               | 12,152.84     | -2,478.43     | -191.58      | 5.40                | 4.85                 | 2.37                | -43.05                 | 19.41                   |



EOG Resources  
Midland PVA

Company: EOG Resources - Midland

Project: Lea County, NM (NAD 83 NME)

Site: Vallant 24 Fed Com

Well: #701H

Wellbore: OH

Design: OH

Local Co-ordinate Reference:

TVD Reference: KB = 25 @ 3465.00usft

MD Reference: KB = 25 @ 3465.00usft

North Reference: Grid

Survey Calculation Method: Minimum Curvature

Database: EDM

Well #701H

KB = 25 @ 3465.00usft

KB = 25 @ 3465.00usft

Grid

Minimum Curvature

EDM

Survey

| MD<br>(usft)           | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | DLeg<br>(°/100usft) | Build<br>(°/100usft) | Turn<br>(°/100usft) | High to Plan<br>(usft) | Right to Plan<br>(usft) |
|------------------------|------------|----------------------|---------------|---------------|---------------|---------------------|----------------------|---------------------|------------------------|-------------------------|
| 14,839.17              | 92.75      | 181.06               | 12,152.00     | -2,494.58     | -191.86       | 2.88                | -2.84                | 0.47                | -43.99                 | 19.01                   |
| TGT#1(VAL 24 FC #701H) |            |                      |               |               |               |                     |                      |                     |                        |                         |
| 14,919.00              | 90.48      | 181.43               | 12,149.75     | -2,574.35     | -193.59       | 2.88                | -2.84                | 0.47                | -46.87                 | 16.74                   |
| 15,015.00              | 89.96      | 186.26               | 12,149.38     | -2,670.11     | -200.03       | 5.06                | -0.54                | 5.03                | -48.01                 | 9.65                    |
| 15,110.00              | 86.26      | 182.48               | 12,152.51     | -2,764.74     | -207.27       | 5.57                | -3.89                | -3.98               | -45.63                 | 1.84                    |
| 15,206.00              | 87.58      | 182.57               | 12,157.67     | -2,860.51     | -211.49       | 1.38                | 1.37                 | 0.09                | -41.24                 | -3.02                   |
| 15,301.00              | 86.88      | 181.87               | 12,162.26     | -2,955.33     | -215.16       | 1.04                | -0.74                | -0.74               | -37.41                 | -7.32                   |
| 15,397.00              | 91.45      | 180.37               | 12,163.66     | -3,051.27     | -217.04       | 5.01                | 4.76                 | -1.56               | -36.77                 | -9.84                   |
| 15,493.00              | 89.60      | 178.70               | 12,162.78     | -3,147.26     | -216.26       | 2.60                | -1.93                | -1.74               | -38.42                 | -9.70                   |
| 15,589.00              | 90.22      | 178.09               | 12,162.93     | -3,243.22     | -213.57       | 0.91                | 0.65                 | -0.64               | -39.04                 | -7.64                   |
| 15,685.00              | 90.22      | 175.36               | 12,162.57     | -3,339.05     | -208.09       | 2.84                | 0.00                 | -2.84               | -40.17                 | -2.80                   |
| 15,781.00              | 91.10      | 176.07               | 12,161.46     | -3,434.77     | -200.91       | 1.18                | 0.92                 | 0.74                | -42.05                 | 3.74                    |
| 15,877.00              | 89.69      | 176.59               | 12,160.80     | -3,530.57     | -194.77       | 1.57                | -1.47                | 0.54                | -43.48                 | 9.25                    |
| 15,973.00              | 91.45      | 181.43               | 12,159.84     | -3,626.52     | -193.11       | 5.36                | 1.83                 | 5.04                | -45.20                 | 10.32                   |
| 16,069.00              | 88.20      | 179.23               | 12,160.14     | -3,722.50     | -193.66       | 4.09                | -3.39                | -2.29               | -45.67                 | 9.12                    |
| 16,165.00              | 88.37      | 179.05               | 12,163.01     | -3,818.45     | -192.22       | 0.26                | 0.18                 | -0.19               | -43.57                 | 9.93                    |
| 16,261.00              | 88.90      | 178.88               | 12,165.30     | -3,914.40     | -190.49       | 0.58                | 0.55                 | -0.18               | -42.05                 | 11.03                   |
| 16,357.00              | 90.66      | 178.79               | 12,165.66     | -4,010.38     | -188.54       | 1.84                | 1.83                 | -0.09               | -42.45                 | 12.35                   |
| 16,459.00              | 88.02      | 179.93               | 12,166.84     | -4,112.36     | -187.40       | 2.82                | -2.59                | 1.12                | -42.09                 | 12.83                   |
| 16,555.00              | 88.81      | 180.28               | 12,169.49     | -4,208.32     | -187.58       | 0.90                | 0.82                 | 0.36                | -40.20                 | 12.02                   |
| 16,651.00              | 88.99      | 179.05               | 12,171.34     | -4,304.30     | -187.01       | 1.29                | 0.19                 | -1.28               | -39.13                 | 11.95                   |
| 16,747.00              | 90.92      | 178.79               | 12,171.41     | -4,400.27     | -185.21       | 2.03                | 2.01                 | -0.27               | -39.82                 | 13.13                   |
| 16,841.80              | 91.97      | 178.18               | 12,169.02     | -4,495.01     | -182.70       | 1.28                | 1.10                 | -0.65               | -42.96                 | 15.02                   |
| TGT#2(VAL 24 FC #701H) |            |                      |               |               |               |                     |                      |                     |                        |                         |
| 16,843.00              | 91.98      | 178.17               | 12,168.98     | -4,496.21     | -182.66       | 1.28                | 1.10                 | -0.65               | -43.01                 | 15.05                   |
| 16,939.00              | 91.28      | 180.02               | 12,166.25     | -4,592.15     | -181.14       | 2.06                | -0.73                | 1.93                | -46.69                 | 15.94                   |
| 17,035.00              | 90.40      | 181.78               | 12,164.84     | -4,688.13     | -182.65       | 2.05                | -0.92                | 1.83                | -49.06                 | 13.80                   |



EOG Resources  
Midland PVA

| Company:               |            |                      | EOG Resources - Midland     |               |              |                     | Local Co-ordinate Reference: |                     |                        |                         | Well #701H            |  |
|------------------------|------------|----------------------|-----------------------------|---------------|--------------|---------------------|------------------------------|---------------------|------------------------|-------------------------|-----------------------|--|
| Project:               |            |                      | Lea County, NM (NAD 83 NME) |               |              |                     | TVD Reference:               |                     |                        |                         | KB = 25 @ 3465.00usft |  |
| Site:                  |            |                      | Valiant 24 Fed Corn         |               |              |                     | MD Reference:                |                     |                        |                         | KB = 25 @ 3465.00usft |  |
| Well:                  |            |                      | #701H                       |               |              |                     | North Reference:             |                     |                        |                         | Grid                  |  |
| Wellbore:              |            |                      | OH                          |               |              |                     | Survey Calculation Method:   |                     |                        |                         | Minimum Curvature     |  |
| Design:                |            |                      | OH                          |               |              |                     | Database:                    |                     |                        |                         | EDM                   |  |
| Survey                 |            |                      |                             |               |              |                     |                              |                     |                        |                         |                       |  |
| MD<br>(usft)           | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft)               | N/S<br>(usft) | EW<br>(usft) | DLeg<br>(°/100usft) | Build<br>(°/100usft)         | Turn<br>(°/100usft) | High to Plan<br>(usft) | Right to Plan<br>(usft) |                       |  |
| 17,131.00              | 89.87      | 180.54               | 12,164.62                   | -4,784.10     | -184.60      | 1.40                | -0.55                        | -1.29               | -50.25                 | 11.22                   |                       |  |
| 17,227.00              | 89.16      | 182.13               | 12,165.43                   | -4,880.07     | -186.83      | 1.81                | -0.74                        | 1.66                | -50.39                 | 8.37                    |                       |  |
| 17,323.00              | 87.93      | 182.92               | 12,167.87                   | -4,975.94     | -191.06      | 1.52                | -1.28                        | 0.82                | -48.92                 | 3.52                    |                       |  |
| 17,419.00              | 87.14      | 181.34               | 12,172.00                   | -5,071.78     | -194.62      | 1.84                | -0.82                        | -1.65               | -45.75                 | -0.69                   |                       |  |
| 17,516.00              | 88.37      | 181.86               | 12,175.80                   | -5,168.67     | -197.33      | 1.38                | 1.27                         | 0.54                | -42.92                 | -4.03                   |                       |  |
| 17,612.00              | 88.02      | 181.95               | 12,178.82                   | -5,264.57     | -200.52      | 0.38                | -0.36                        | 0.09                | -40.86                 | -7.84                   |                       |  |
| 17,708.00              | 88.46      | 181.95               | 12,181.77                   | -5,360.47     | -203.79      | 0.46                | 0.46                         | 0.00                | -38.87                 | -11.73                  |                       |  |
| 17,804.00              | 89.16      | 182.65               | 12,183.76                   | -5,456.37     | -207.64      | 1.03                | 0.73                         | 0.73                | -37.84                 | -16.20                  |                       |  |
| 17,844.07              | 90.04      | 181.62               | 12,184.04                   | -5,496.41     | -209.13      | 3.38                | 2.21                         | -2.56               | -37.96                 | -17.98                  |                       |  |
| TGT#3(VAL 24 FC #701H) |            |                      |                             |               |              |                     |                              |                     |                        |                         |                       |  |
| 17,900.00              | 91.28      | 180.19               | 12,183.39                   | -5,552.33     | -210.02      | 3.38                | 2.21                         | -2.56               | -39.35                 | -19.26                  |                       |  |
| 17,996.00              | 90.22      | 179.75               | 12,182.14                   | -5,648.32     | -209.97      | 1.20                | -1.10                        | -0.46               | -41.96                 | -19.83                  |                       |  |
| 18,092.00              | 88.81      | 178.70               | 12,182.95                   | -5,744.30     | -208.67      | 1.83                | -1.47                        | -1.09               | -42.50                 | -19.17                  |                       |  |
| 18,188.00              | 89.16      | 180.19               | 12,184.65                   | -5,840.28     | -207.74      | 1.59                | 0.36                         | 1.55                | -42.16                 | -18.86                  |                       |  |
| 18,284.00              | 90.48      | 179.49               | 12,184.95                   | -5,936.27     | -207.47      | 1.56                | 1.37                         | -0.73               | -43.21                 | -19.23                  |                       |  |
| 18,380.00              | 83.89      | 178.52               | 12,189.67                   | -6,032.09     | -205.81      | 6.94                | -6.86                        | -1.01               | -39.81                 | -18.28                  |                       |  |
| 18,476.00              | 86.88      | 178.88               | 12,197.39                   | -6,127.74     | -203.64      | 3.14                | 3.11                         | 0.37                | -33.46                 | -16.67                  |                       |  |
| 18,572.00              | 90.84      | 178.52               | 12,199.30                   | -6,223.68     | -201.46      | 4.14                | 4.12                         | -0.37               | -32.91                 | -15.11                  |                       |  |
| 18,668.00              | 91.71      | 177.82               | 12,197.16                   | -6,319.61     | -198.40      | 1.16                | 0.91                         | -0.73               | -36.40                 | -12.69                  |                       |  |
| 18,764.00              | 88.02      | 177.21               | 12,197.39                   | -6,415.50     | -194.23      | 3.90                | -3.84                        | -0.64               | -37.53                 | -9.16                   |                       |  |
| 18,860.00              | 87.05      | 176.77               | 12,201.52                   | -6,511.28     | -189.20      | 1.11                | -1.01                        | -0.46               | -34.75                 | -4.76                   |                       |  |
| 18,956.00              | 86.61      | 173.51               | 12,206.83                   | -6,606.77     | -181.08      | 3.42                | -0.46                        | -3.40               | -30.80                 | 2.70                    |                       |  |
| 19,052.00              | 87.67      | 175.27               | 12,211.62                   | -6,702.19     | -171.71      | 2.14                | 1.10                         | 1.83                | -27.37                 | 11.44                   |                       |  |
| 19,148.00              | 85.30      | 178.52               | 12,217.50                   | -6,797.85     | -166.51      | 4.18                | -2.47                        | 3.39                | -22.80                 | 16.07                   |                       |  |
| 19,244.00              | 92.51      | 180.19               | 12,219.34                   | -6,893.76     | -165.44      | 7.71                | 7.51                         | 1.74                | -22.32                 | 16.53                   |                       |  |
| 19,341.00              | 93.12      | 180.81               | 12,214.57                   | -6,990.63     | -166.28      | 0.90                | 0.63                         | 0.64                | -28.44                 | 15.06                   |                       |  |



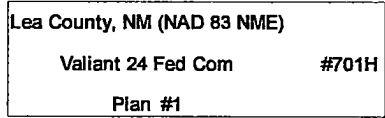
EOG Resources  
Midland PVA

|           |                             |                              |                       |
|-----------|-----------------------------|------------------------------|-----------------------|
| Company:  | EOG Resources - Midland     | Local Co-ordinate Reference: | Well #701H            |
| Project:  | Lea County, NM (NAD 83 NME) | TVD Reference:               | KB = 25 @ 3465.00usft |
| Site:     | Vallant 24 Fed Com          | MD Reference:                | KB = 25 @ 3465.00usft |
| Well:     | #701H                       | North Reference:             | Grid                  |
| Wellbore: | OH                          | Survey Calculation Method:   | Minimum Curvature     |
| Design:   | OH                          | Database:                    | EDM                   |

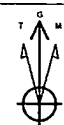
| Survey                                                                            |            |                      |               |               |               |                     |                      |                     |                         |
|-----------------------------------------------------------------------------------|------------|----------------------|---------------|---------------|---------------|---------------------|----------------------|---------------------|-------------------------|
| MD<br>(usft)                                                                      | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | DLeg<br>(°/100usft) | Build<br>(°/100usft) | Turn<br>(°/100usft) | Right to Plan<br>(usft) |
| 19,436.00                                                                         | 94.53      | 179.75               | 12,208.24     | -7,085.42     | -166.75       | 1.86                | 1.48                 | -1.12               | -36.11                  |
| Last MWD Survey (MD=19436.00')                                                    |            |                      |               |               |               |                     |                      |                     |                         |
| 19,541.00                                                                         | 94.53      | 179.75               | 12,199.94     | -7,190.09     | -166.29       | 0.00                | 0.00                 | 0.00                | -45.88                  |
| Projection to Bit (MD=19541.00') - SHMAX(VAL 24 FC #701H) - PBHL(VAL 24 FC #701H) |            |                      |               |               |               |                     |                      |                     |                         |
|                                                                                   |            |                      |               |               |               |                     |                      |                     | 14.00                   |
|                                                                                   |            |                      |               |               |               |                     |                      |                     | 13.77                   |

| Design Annotations          |                             |                                      |                 |                                                                               |
|-----------------------------|-----------------------------|--------------------------------------|-----------------|-------------------------------------------------------------------------------|
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Local Coordinates<br>+N/-S<br>(usft) | +E/-W<br>(usft) | Comment                                                                       |
| 11,473.44                   | 11,446.37                   | 369.00                               | -236.80         | FTP Crossing, MD:11473.44', TVD:11446.37', N/S:369.00', E/W:-236.80', INC:3.1 |
| 11,729.00                   | 11,701.38                   | 353.25                               | -240.52         | KOP, MD:11729.00', TVD:11701.38', N/S:353.25', E/W:-240.52', INC:6.45         |
| 19,436.00                   | 12,208.24                   | -7,085.42                            | -166.75         | Last MWD Survey (MD=19436.00')                                                |
| 19,541.00                   | 12,199.94                   | -7,190.09                            | -166.29         | Projection to Bit (MD=19541.00')                                              |

|                   |                    |             |
|-------------------|--------------------|-------------|
| Checked By: _____ | Approved By: _____ | Date: _____ |
|-------------------|--------------------|-------------|

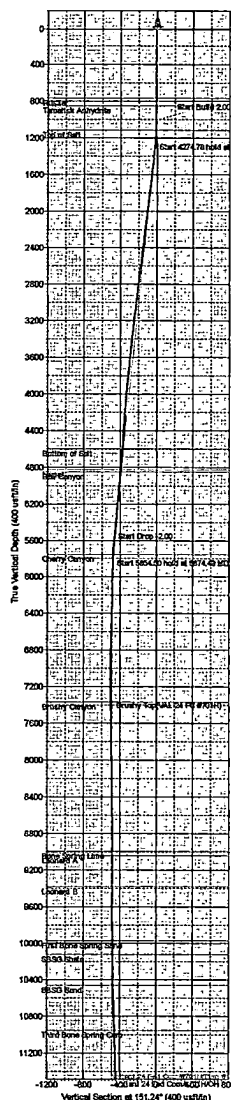


Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: New Mexico Eastern Zone  
System Datum: Mean Sea Level



**Azimuths to Grid North**  
True North: -0.37°  
Magnetic North: 6.31°  
**Magnetic Field**  
Strength: 47584.4nT  
Dip Angle: 59.92°  
Date: 3/16/2020  
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.31°  
To convert a Magnetic Direction to a True Direction, Add 6.68° East



| WELL DETAILS: #701H |      |      |           |                                 |                 |                  |
|---------------------|------|------|-----------|---------------------------------|-----------------|------------------|
| 030.05 MD           |      |      |           | 3440.00<br>KB = 25 @ 3445.00usl |                 |                  |
|                     | +N-S | +E-W | Nothing   | Easting                         | Latitude        | Longitude        |
|                     | 0.00 | 0.00 | 406170.00 | 757458.00                       | 32° 6' 52.679 N | 103° 36' 7.010 W |
|                     |      |      |           |                                 |                 | Spot             |

| SECTION DETAILS |          |       |        |          |          |         |       |         |         |                        |
|-----------------|----------|-------|--------|----------|----------|---------|-------|---------|---------|------------------------|
| Sec             | MD       | Inc   | Azi    | TVD      | +N-S     | +E-W    | Dleg  | TFace   | VSec    | Target                 |
| 1               | 0.00     | 0.00  | 0.00   | 0.00     | 0.00     | 0.00    | 0.00  | 0.00    | 0.00    |                        |
| 2               | 1000.00  | 0.00  | 0.00   | 1000.00  | 0.00     | 0.00    | 0.00  | 0.00    | 0.00    |                        |
| 3               | 1299.85  | 6.00  | 331.24 | 1299.31  | 13.74    | -7.54   | 2.00  | 331.24  | -13.56  |                        |
| 4               | 5574.64  | 6.00  | 331.24 | 5550.69  | 405.26   | -222.46 | 0.00  | 0.00    | -389.71 |                        |
| 5               | 5874.49  | 0.00  | 0.00   | 5850.00  | 418.00   | -230.00 | 2.00  | 180.00  | -413.27 |                        |
| 6               | 11728.99 | 0.00  | 0.00   | 11704.50 | 419.00   | -230.00 | 0.00  | 0.00    | -413.27 |                        |
| 7               | 1876.24  | 88.67 | 179.82 | 1215.98  | 155.71   | -228.88 | 12.00 | 179.82  | 81.22   |                        |
| 8               | 14916.23 | 89.67 | 179.62 | 12196.00 | -2495.60 | -210.85 | 0.00  | 0.00    | 2500.00 | TGT#1(VAL 24 FC #701H) |
| 9               | 14922.66 | 89.54 | 179.62 | 12198.04 | -2502.03 | -210.81 | 2.00  | 180.00  | 2506.42 |                        |
| 10              | 16917.23 | 89.54 | 179.62 | 12212.00 | -4498.50 | -197.70 | 0.00  | 0.00    | 4498.98 | TGT#2(VAL 24 FC #701H) |
| 11              | 16922.97 | 89.43 | 179.62 | 12212.05 | -4502.23 | -197.67 | 2.00  | -180.00 | 4505.71 |                        |
| 12              | 17917.81 | 89.43 | 179.62 | 12222.00 | -5497.00 | -191.13 | 0.00  | 0.00    | 5500.03 | TGT#3(VAL 24 FC #701H) |
| 13              | 17929.54 | 89.19 | 179.62 | 12222.14 | -5508.73 | -191.05 | 2.00  | 180.00  | 5511.75 |                        |
| 14              | 18764.03 | 89.19 | 179.62 | 12248.00 | -7343.00 | -179.00 | 0.00  | 0.00    | 7345.18 | PBHL(VAL 24 FC #701H)  |

| WELLBORE TARGET DETAILS (MAP CO-ORDINATES) |         |         |        |          |         |                                 |
|--------------------------------------------|---------|---------|--------|----------|---------|---------------------------------|
| Name                                       | TVD     | +N/S    | +E/W   | Northing | Easting | Shape                           |
| Brushy Top(VAL 24 FC #701H)                | 7362.0  | 419.0   | -230.0 | 40858.0  | 75722.0 | Polygon                         |
| FTVAL 24 FC #701H                          | 7362.0  | 389.0   | -240.0 | 40853.0  | 75720.0 | Point                           |
| TG1H(VAL 24 FC #701H)                      | 72196.0 | -2456.0 | -210.5 | 40374.0  | 75724.5 | Point                           |
| TG2H(VAL 24 FC #701H)                      | 72212.0 | -4398.0 | -197.0 | 41167.5  | 75720.0 | Point                           |
| TG3H(VAL 24 FC #701H)                      | 72222.0 | -5497.0 | -191.3 | 40087.0  | 75726.3 | Point                           |
| PR1(VAL 24 FC #701H)                       | 72248.0 | -7421.0 | -179.0 | 39917.0  | 75727.0 | Point                           |
| SHMAX(VAL 24 FC #701H)                     | 72248.0 | -7343.0 | -199.0 | 39927.0  | 75727.0 | Rectangle (Sides: 1.000, 0.000) |

