

I. REQUEST FOR ALLOWABLE MINERAL AUTHORIZATION TO TRANSPORT

|                                                                                                    |                                                              |                                                                      |
|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------------------------|
| <sup>1</sup> Operator name and Address<br>EOG RESOURCES INC<br>PO BOX 2267<br>MIDLAND, TEXAS 79702 |                                                              | <sup>2</sup> OGRID Number<br>7377                                    |
|                                                                                                    |                                                              | <sup>3</sup> Reason for Filing Code/ Effective Date<br>NW 11/19/2022 |
| <sup>4</sup> API Number<br>30 - 025-47763                                                          | <sup>5</sup> Pool Name<br>WC025 G09 S253309P; UPPER WOLFCAMP | <sup>6</sup> Pool Code<br>98180                                      |
| <sup>7</sup> Property Code<br>329701                                                               | <sup>8</sup> Property Name<br>RUTHLESS 11 FEDERAL COM        | <sup>9</sup> Well Number<br>707H                                     |

II. <sup>10</sup> Surface Location

|                    |               |                 |              |         |                       |                           |                       |                        |               |
|--------------------|---------------|-----------------|--------------|---------|-----------------------|---------------------------|-----------------------|------------------------|---------------|
| UI or lot no.<br>A | Section<br>11 | Township<br>25S | Range<br>32E | Lot Idn | Feet from the<br>891' | North/South Line<br>NORTH | Feet from the<br>646' | East/West line<br>EAST | County<br>LEA |
|--------------------|---------------|-----------------|--------------|---------|-----------------------|---------------------------|-----------------------|------------------------|---------------|

<sup>11</sup> Bottom Hole Location

|                        |                                                |                                   |                                   |         |                                    |                           |                                     |                        |               |
|------------------------|------------------------------------------------|-----------------------------------|-----------------------------------|---------|------------------------------------|---------------------------|-------------------------------------|------------------------|---------------|
| UL or lot no.<br>P     | Section<br>14                                  | Township<br>25S                   | Range<br>32E                      | Lot Idn | Feet from the<br>112'              | North/South line<br>SOUTH | Feet from the<br>831'               | East/West line<br>EAST | County<br>LEA |
| <sup>12</sup> Lse Code | <sup>13</sup> Producing Method Code<br>FLOWING | <sup>14</sup> Gas Connection Date | <sup>15</sup> C-129 Permit Number |         | <sup>16</sup> C-129 Effective Date |                           | <sup>17</sup> C-129 Expiration Date |                        |               |

III. Oil and Gas Transporters

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

IV. Well Completion Data

|                                       |                                        |                                    |                              |                                              |                               |
|---------------------------------------|----------------------------------------|------------------------------------|------------------------------|----------------------------------------------|-------------------------------|
| <sup>21</sup> Spud Date<br>07/17/2022 | <sup>22</sup> Ready Date<br>11/19/2022 | <sup>23</sup> TD<br>22,473         | <sup>24</sup> PBTD<br>22,446 | <sup>25</sup> Perforations<br>12,360-22,446' | <sup>26</sup> DHC, MC         |
| <sup>27</sup> Hole Size               |                                        | <sup>28</sup> Casing & Tubing Size |                              | <sup>29</sup> Depth Set                      | <sup>30</sup> Sacks Cement    |
| 12 1/4                                |                                        | 9 5/8"                             |                              | 1064'                                        | 760 SXS CL C/CIRC             |
| 8 3/4"                                |                                        | 7 5/8"                             |                              | 11,678'                                      | 1447 SXS CL C&H/CIRC          |
| 6 3/4"                                |                                        | 5 1/2"                             |                              | 22,453'                                      | 1110 SXS CL H TOC 10,602' CBL |
|                                       |                                        |                                    |                              |                                              |                               |

V. Well Test Data

|                                                                                                                                                                                                                                   |                                               |                                       |                                     |                             |                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|---------------------------------------|-------------------------------------|-----------------------------|-------------------------------------|
| <sup>31</sup> Date New Oil<br>11/19/2022                                                                                                                                                                                          | <sup>32</sup> Gas Delivery Date<br>11/19/2022 | <sup>33</sup> Test Date<br>11/29/2022 | <sup>34</sup> Test Length<br>24 HRS | <sup>35</sup> Tbg. Pressure | <sup>36</sup> Csg. Pressure<br>2977 |
| <sup>37</sup> Choke Size<br>52                                                                                                                                                                                                    | <sup>38</sup> Oil<br>3055                     | <sup>39</sup> Water<br>7201           | <sup>40</sup> Gas<br>8520           |                             | <sup>41</sup> Test Method           |
| <sup>42</sup> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.<br>Signature: Kay Maddox |                                               |                                       | OIL CONSERVATION DIVISION           |                             |                                     |
| Printed name: Kay Maddox                                                                                                                                                                                                          |                                               |                                       | Approved by: PATRICIA MARTINEZ      |                             |                                     |
| Title: SENIOR REGULATORY SPECIALIST                                                                                                                                                                                               |                                               |                                       | Title: PETROLEUM SPECIALIST         |                             |                                     |
| E-mail Address: kay_maddox@eogresources.com                                                                                                                                                                                       |                                               |                                       | Approval Date: 8/21/2025            |                             |                                     |
| Date: 12/01/2022                                                                                                                                                                                                                  |                                               | Phone: 432-638-8475                   |                                     |                             |                                     |

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720

**District II**  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720

**District III**  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170

**District IV**  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 746-3460 Fax: (505) 746-3462

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**

## AS-DRILLED PLAT

|                                                 |                                                          |                                                                     |
|-------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------|
| <sup>1</sup> API Number<br><b>30-025- 47763</b> | <sup>2</sup> Pool Code<br><b>98180</b>                   | <sup>3</sup> Pool Name<br><b>WC025 G09 S253309P; UPPER WOLFCAMP</b> |
| <sup>4</sup> Property Code<br><b>329701</b>     | <sup>5</sup> Property Name<br><b>RUTHLESS 11 FED COM</b> |                                                                     |
| <sup>7</sup> OGRID No.<br><b>7377</b>           | <sup>8</sup> Operator Name<br><b>EOG RESOURCES, INC.</b> | <sup>6</sup> Well Number<br><b>707H</b>                             |
|                                                 |                                                          | <sup>9</sup> Elevation<br><b>3518'</b>                              |

<sup>10</sup>Surface Location

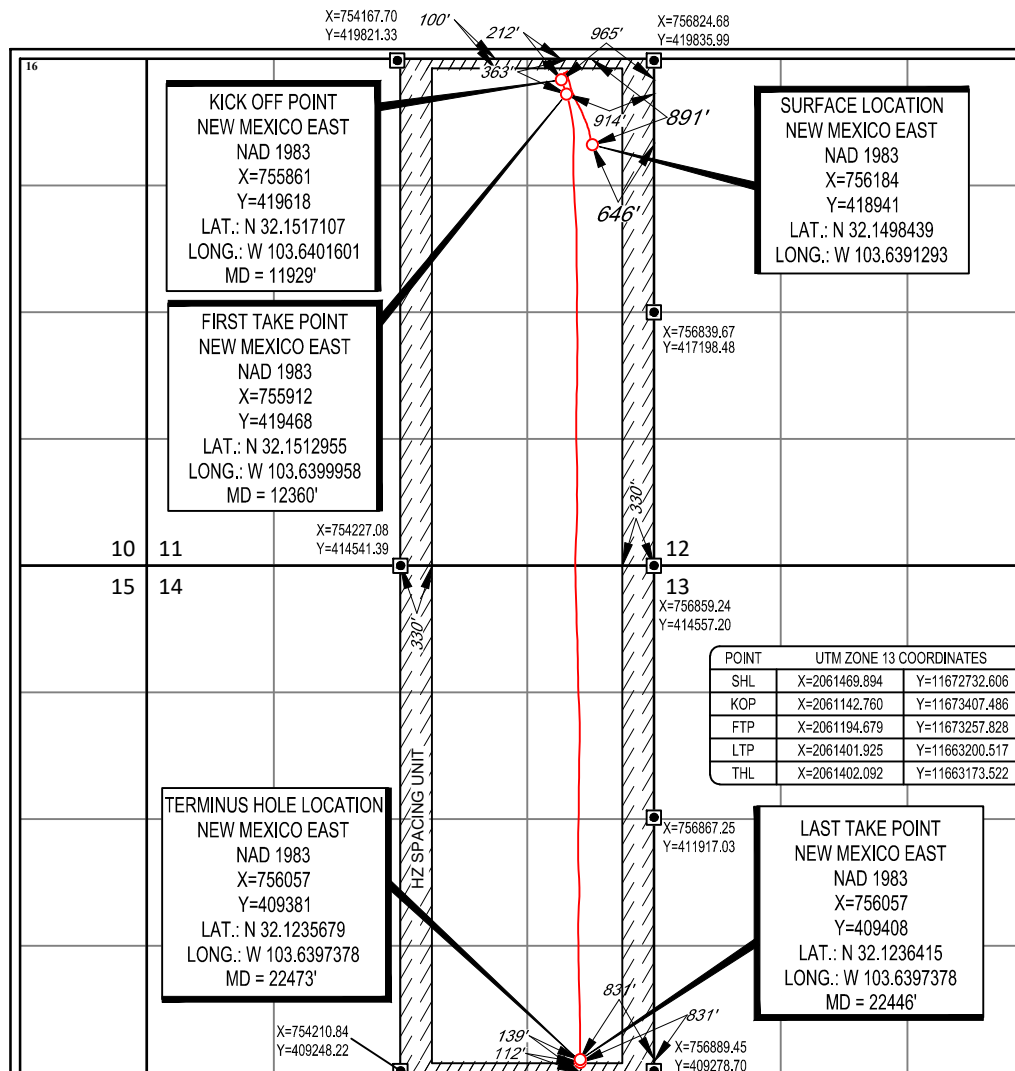
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| A             | 11      | 25-S     | 32-E  | -       | 891'          | NORTH            | 646'          | EAST           | LEA    |

<sup>11</sup>Bottom Hole Location If Different From Surface

|               |         |          |       |         |               |                  |               |                |        |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| P             | 14      | 25-S     | 32-E  | -       | 112'          | SOUTH            | 831'          | EAST           | LEA    |

|                                                |                               |                                  |                         |
|------------------------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres<br><b>640.00</b> | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No. |
|------------------------------------------------|-------------------------------|----------------------------------|-------------------------|

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



## 17 OPERATOR CERTIFICATION

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

Kay Maddox 11/30/2022  
Signature Date

KAY MADDUX

Printed Name \_\_\_\_\_

KAY MADDOX@EOGRESOURCES.COM

E-mail Address

## 18 SURVEYOR CERTIFICATION

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

01/28/2022

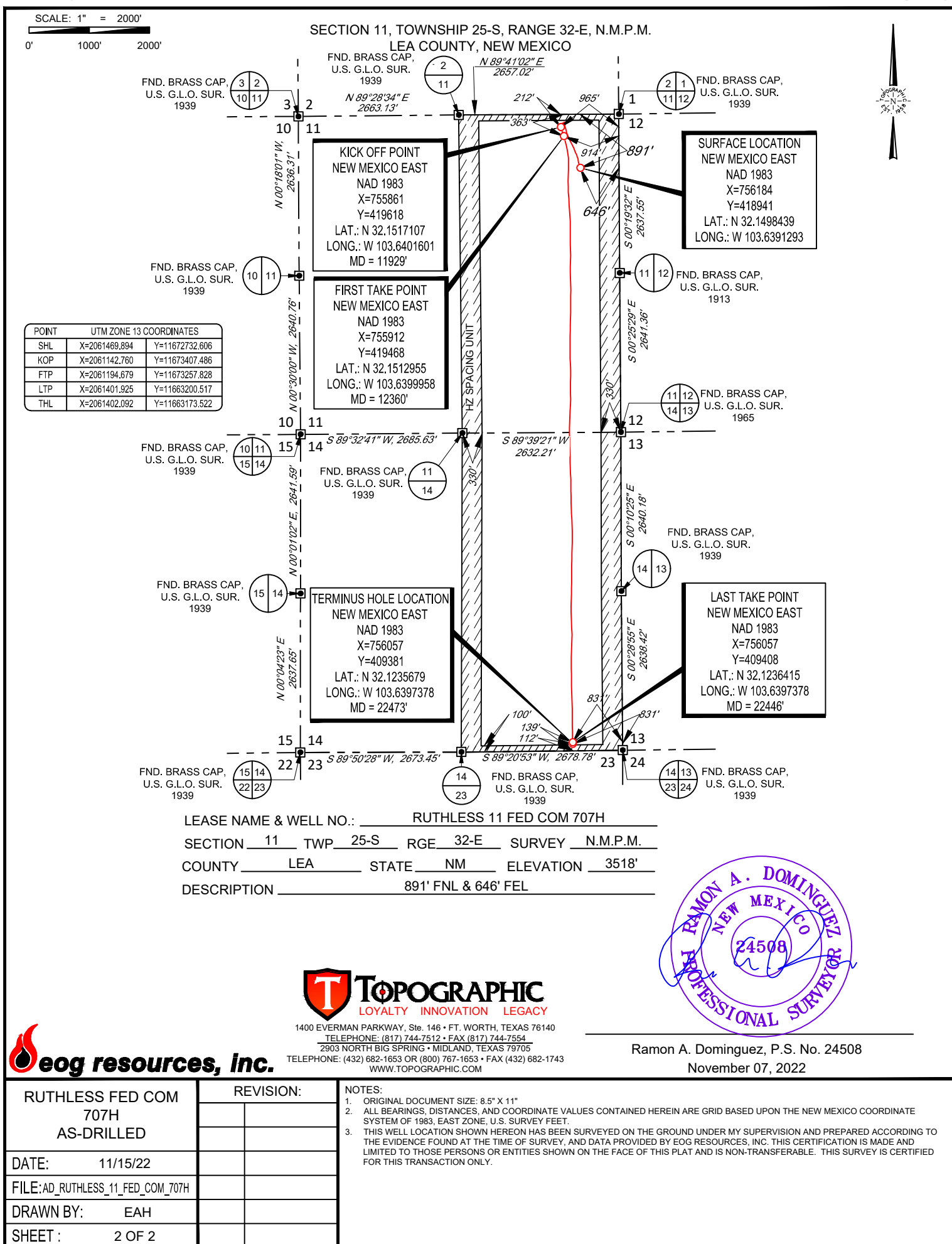
Date of Survey  
Signature and Seal of Professional Surveyor

Date for Survey \_\_\_\_\_  
Signature and Seal of Professional Surveyor



Certificate Number \_\_\_\_\_

Certificate Number





Lea County, NM (NAD 83 NME)

Ruthless 11 Fed Com #707H

H&P 389

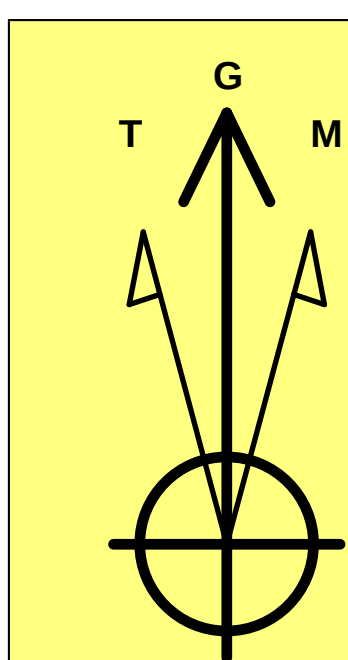
OH

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

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

WELL DETAILS: #707H

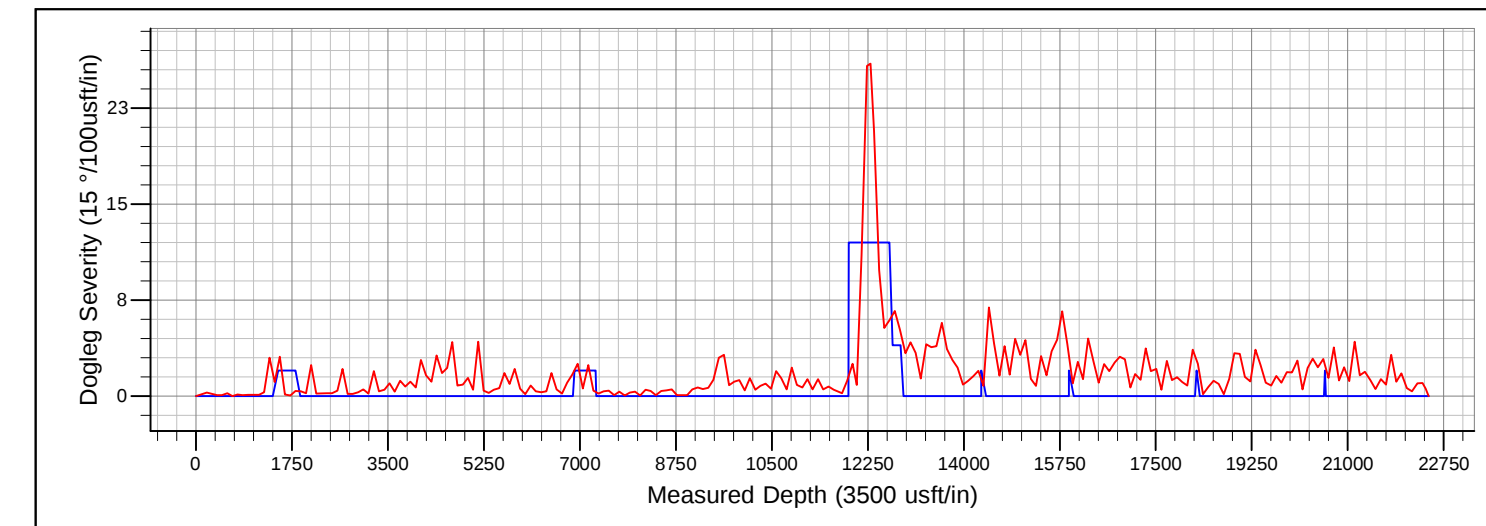
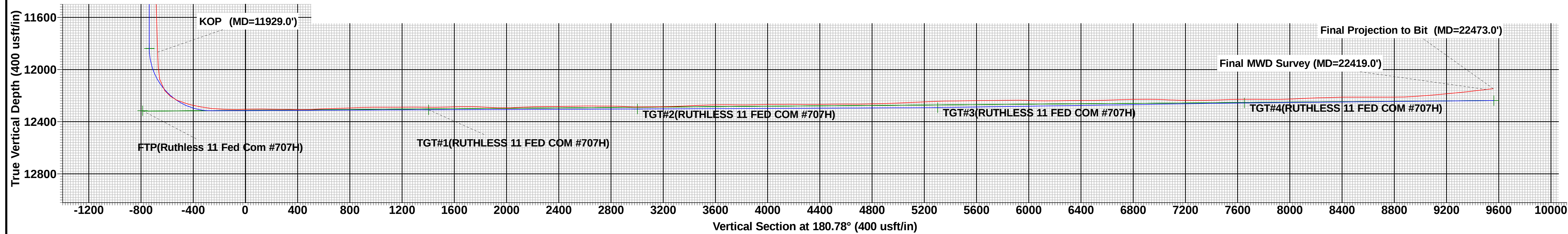
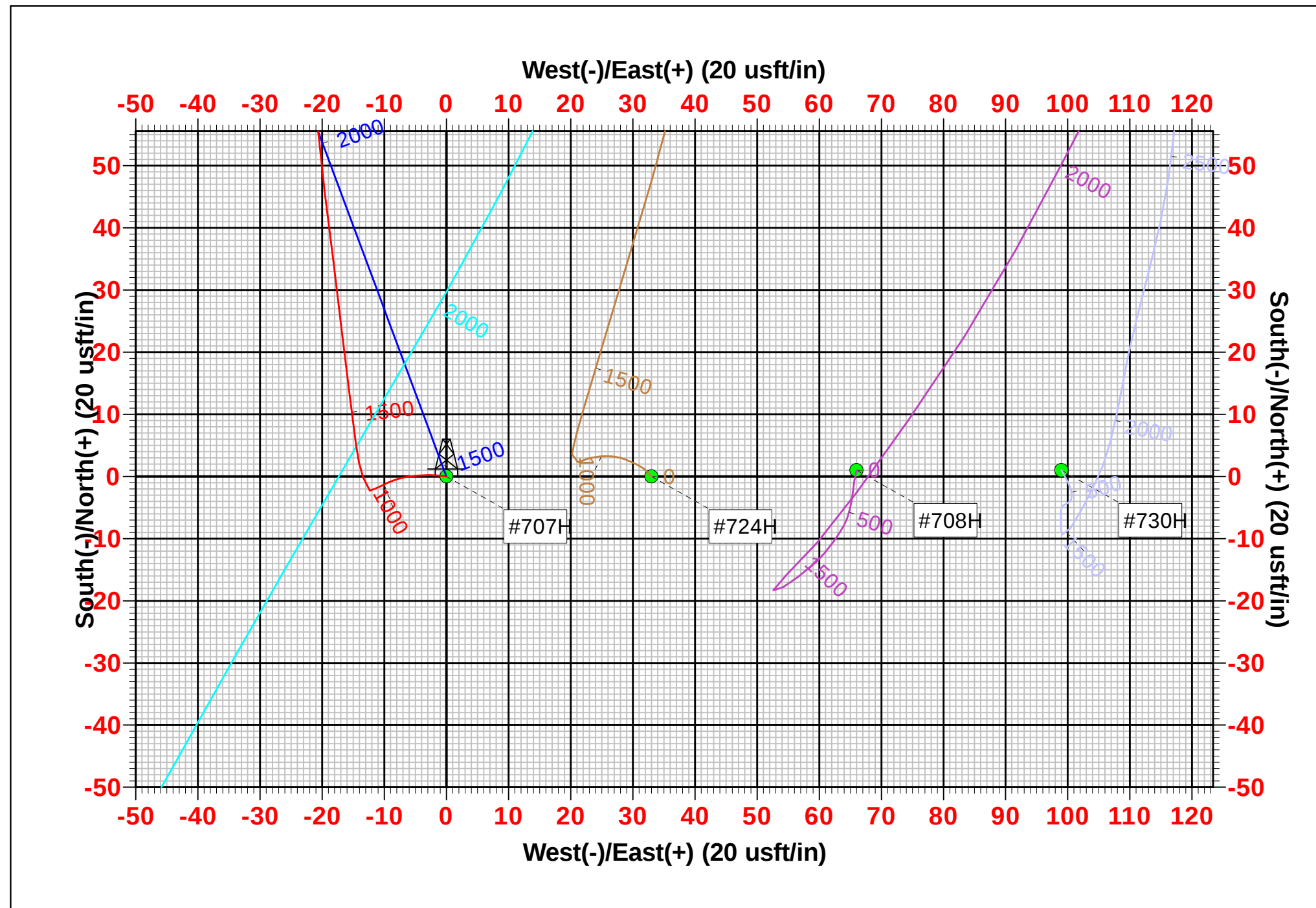
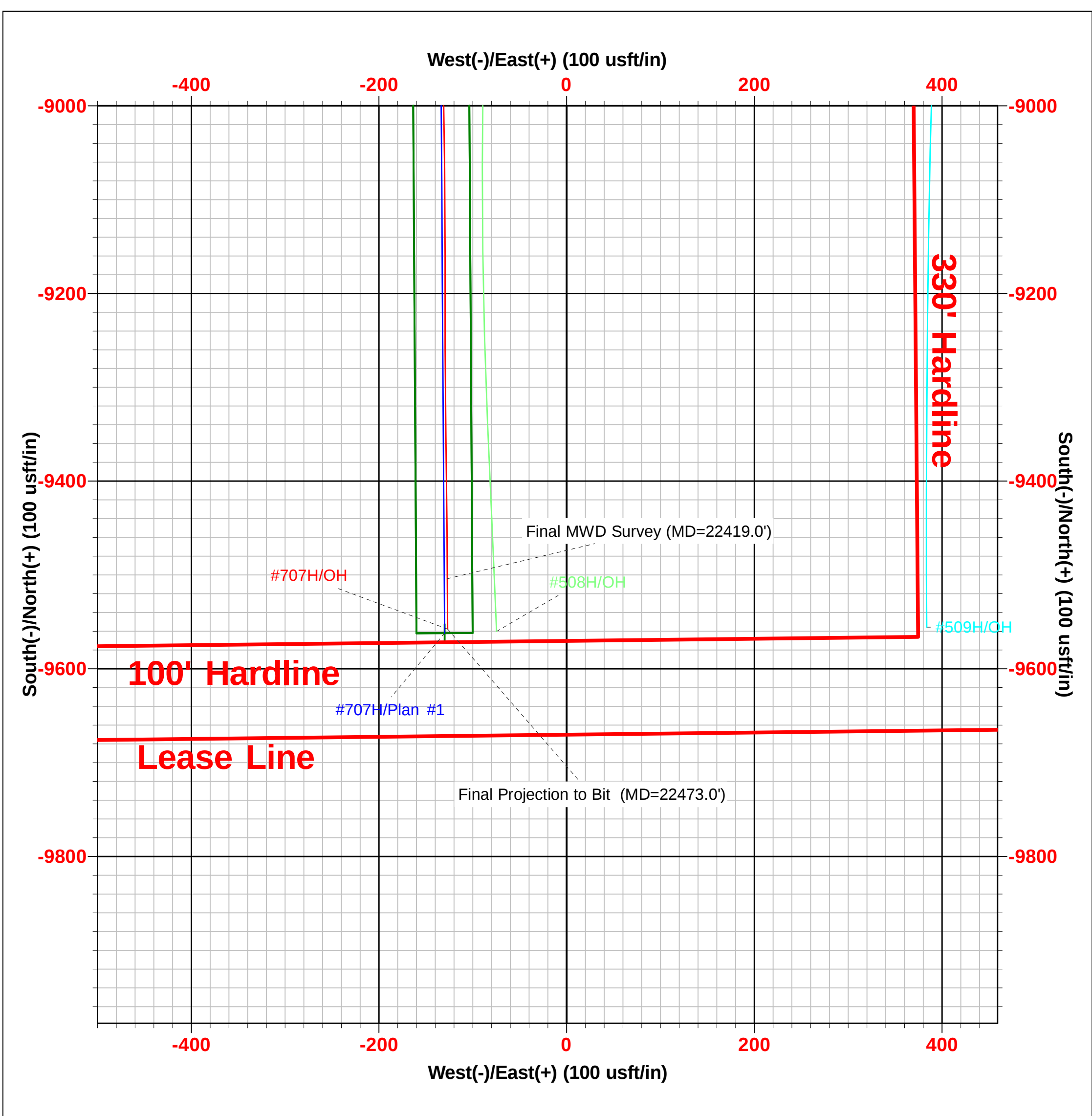
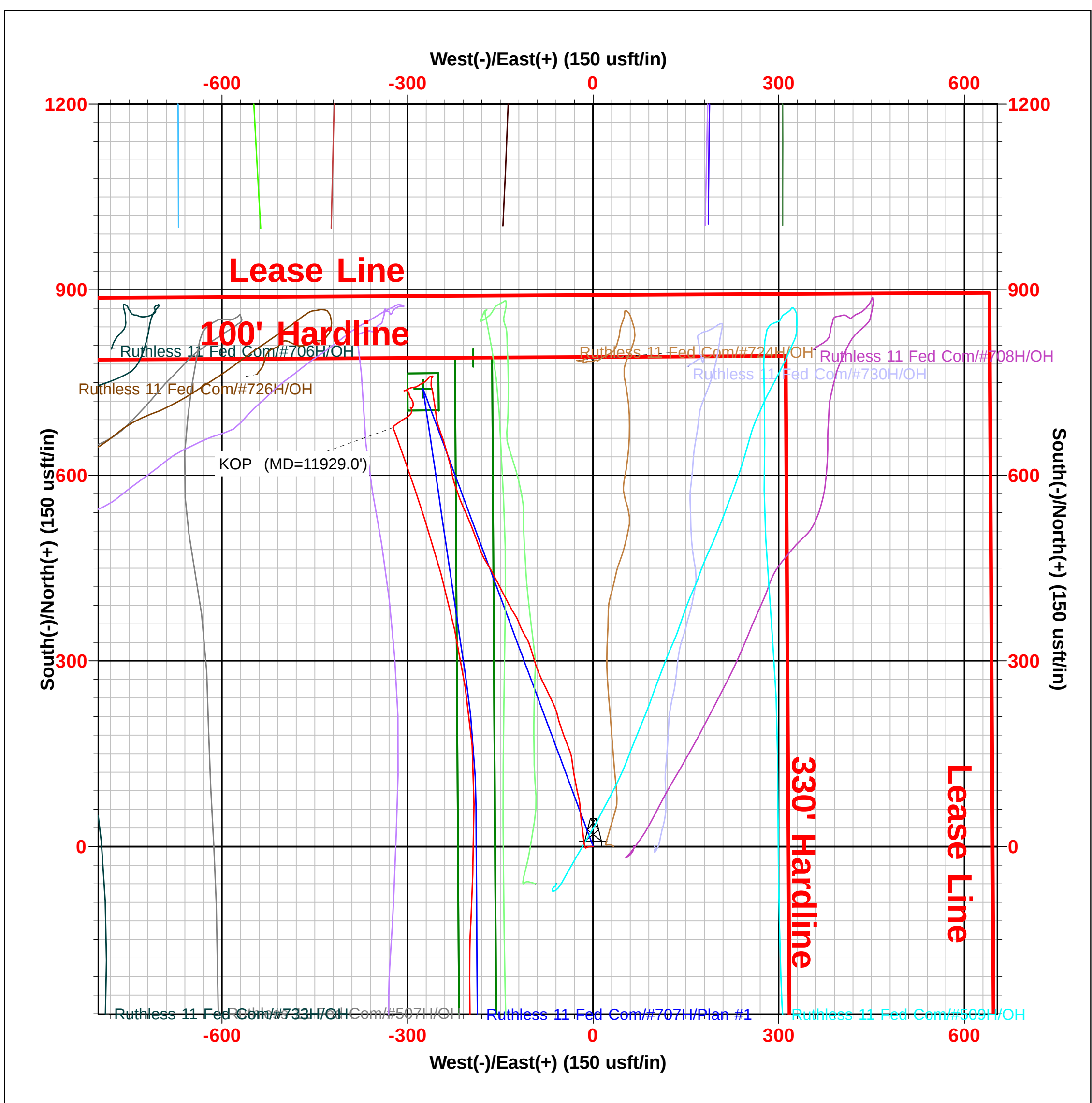
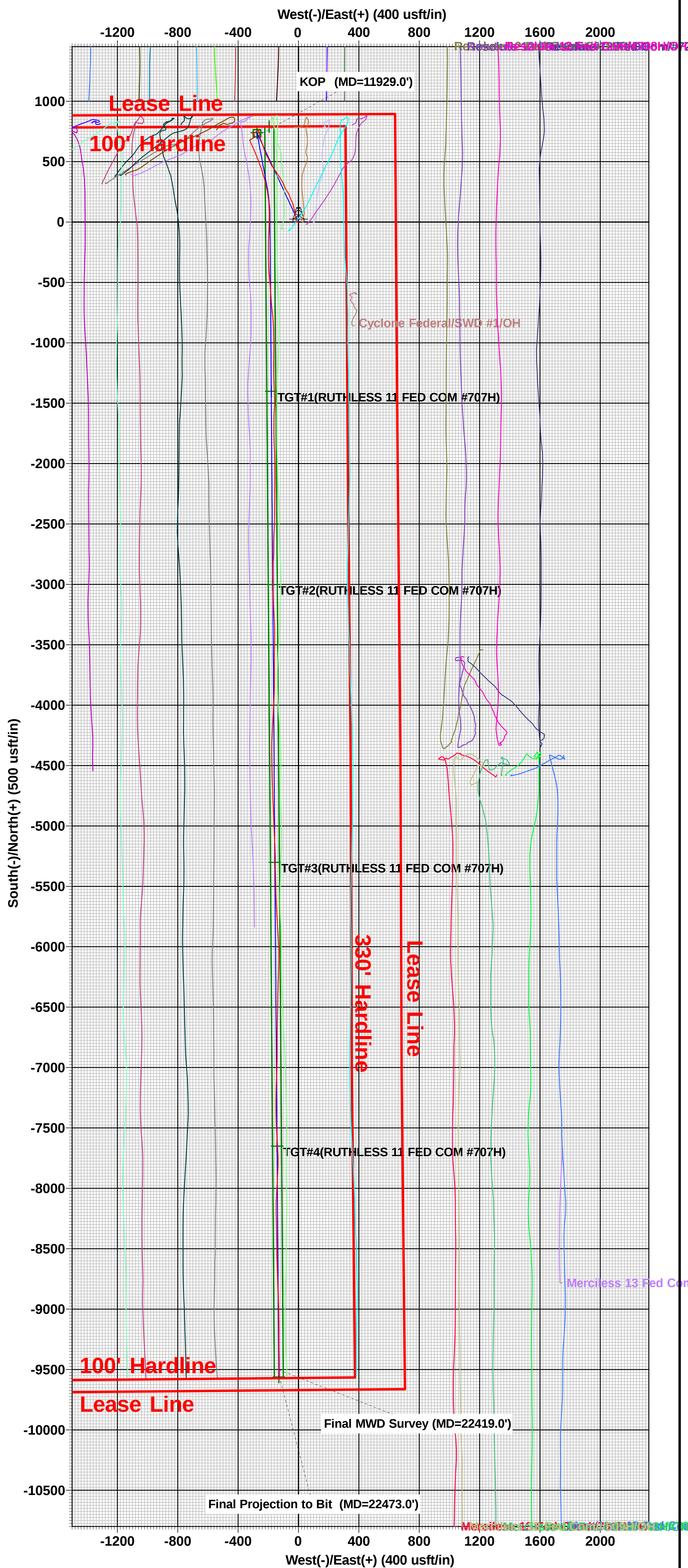
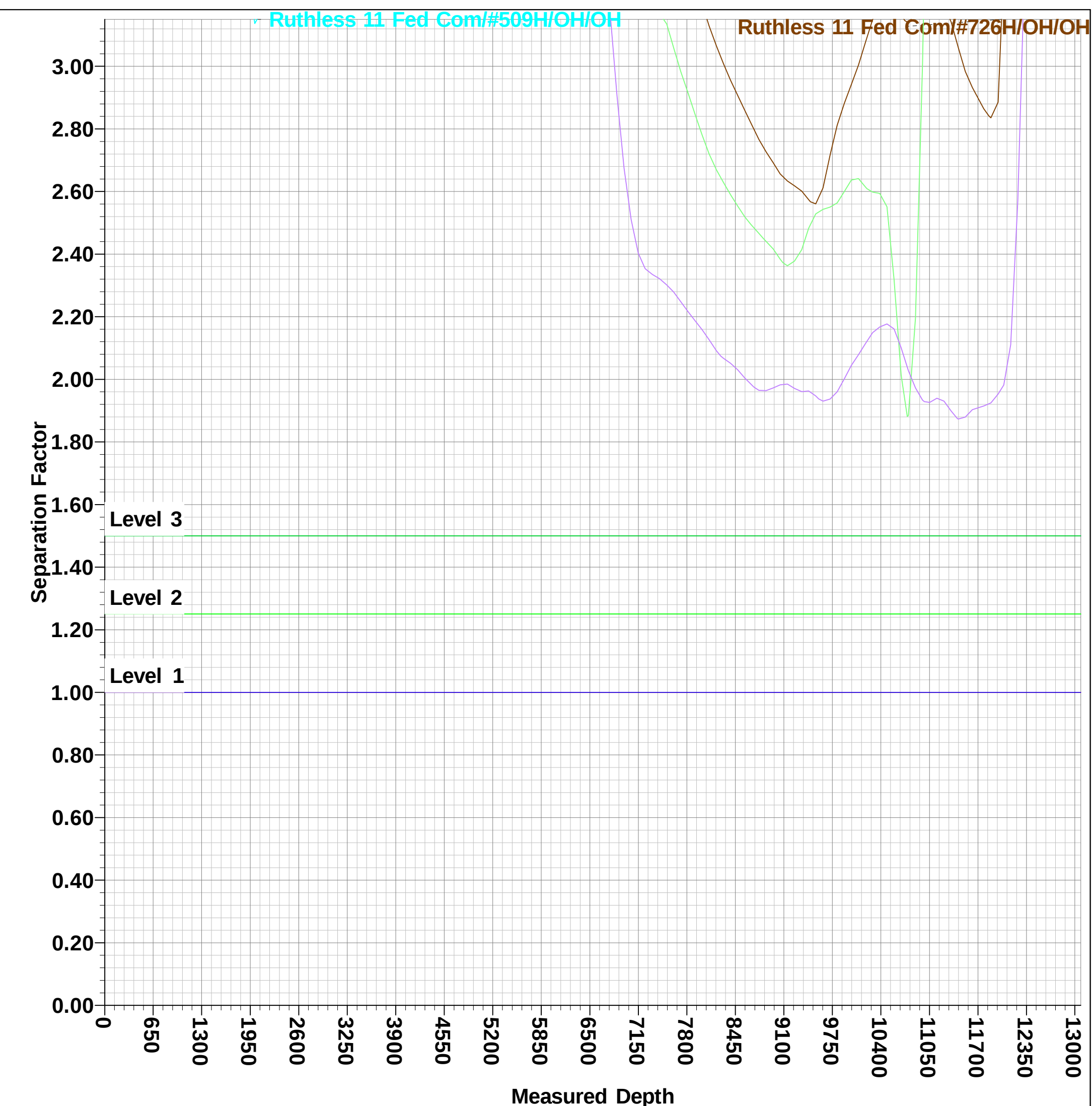
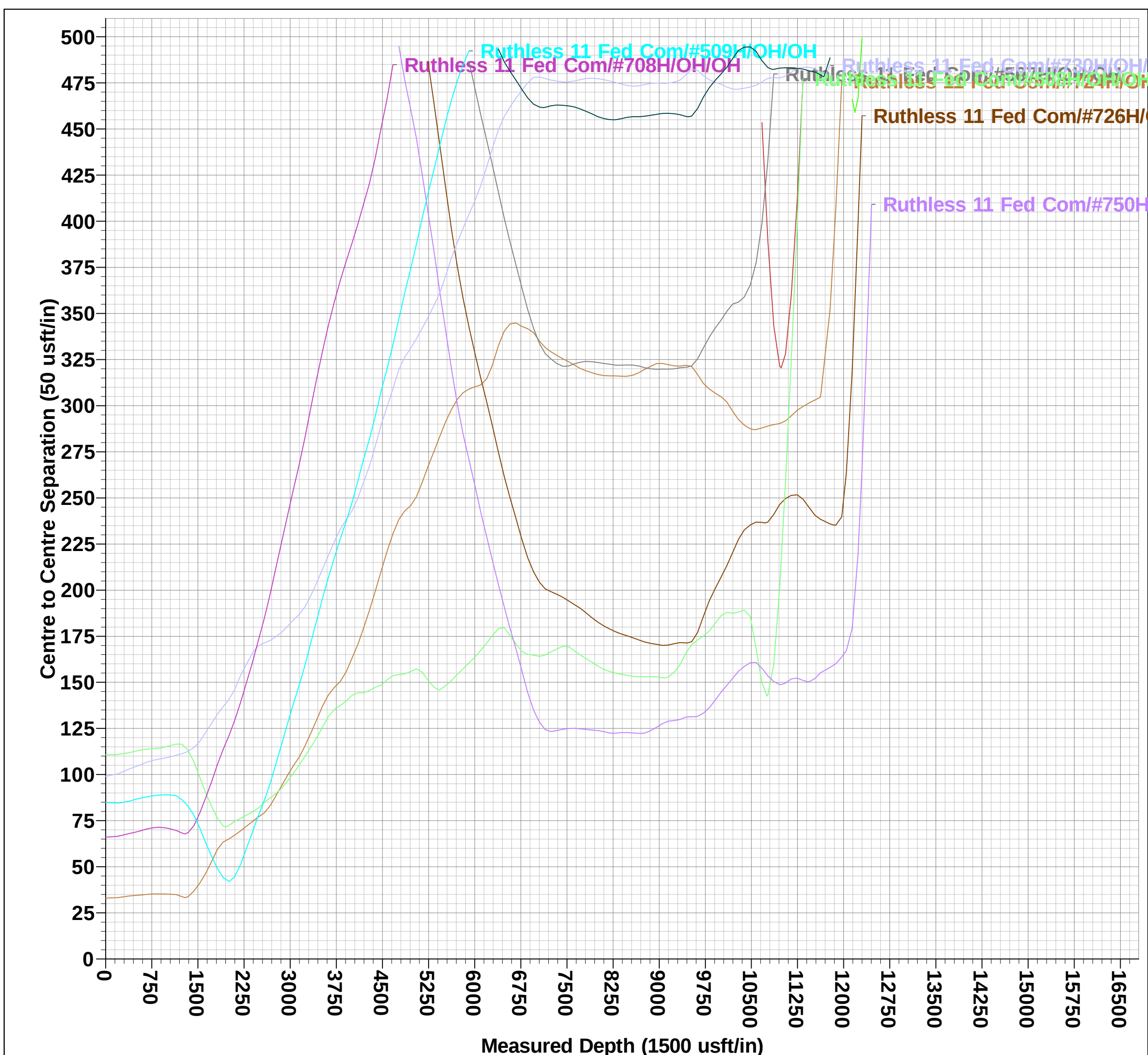
KB = 25' @ 3543.0usft (H&P 389)  
Northing 418941.00 Easting 756184.00 Latitude 32° 8' 59.436 N Longitude 103° 38' 20.866 W



Azimuths to Grid North  
True North: -0.37°  
Magnetic North: 6.07°

Magnetic Field  
Strength: 47328.1nT  
Dip Angle: 59.79°  
Date: 7/21/2022  
Model: IGRF2020

To convert a Magnetic Direction to a Grid Direction, Add 6.07°  
To convert a Magnetic Direction to a True Direction, Add 6.44° East  
To convert a True Direction to a Grid Direction, Subtract 0.37°





## Midland

Lea County, NM (NAD 83 NME)

Ruthless 11 Fed Com

#707H

OH

Design: OH

## Final PVA

30 August, 2022



Final PVA

|                  |                             |                                     |                                 |
|------------------|-----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>  | Midland                     | <b>Local Co-ordinate Reference:</b> | Well #707H                      |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>TVD Reference:</b>               | KB = 25' @ 3543.0usft (H&P 389) |
| <b>Site:</b>     | Ruthless 11 Fed Com         | <b>MD Reference:</b>                | KB = 25' @ 3543.0usft (H&P 389) |
| <b>Well:</b>     | #707H                       | <b>North Reference:</b>             | Grid                            |
| <b>Wellbore:</b> | OH                          | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Design:</b>   | OH                          | <b>Database:</b>                    | PEDM                            |

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

|                              |                     |                          |                  |
|------------------------------|---------------------|--------------------------|------------------|
| <b>Site</b>                  | Ruthless 11 Fed Com |                          |                  |
| <b>Site Position:</b>        |                     | <b>Northing:</b>         | 419,142.00 usft  |
| <b>From:</b>                 | Map                 | <b>Easting:</b>          | 752,042.00 usft  |
| <b>Position Uncertainty:</b> | 0.0 usft            | <b>Slot Radius:</b>      | 13-3/16 "        |
|                              |                     | <b>Latitude:</b>         | 32° 9' 1.687 N   |
|                              |                     | <b>Longitude:</b>        | 103° 39' 9.029 W |
|                              |                     | <b>Grid Convergence:</b> | 0.36 °           |

| Well                 |          | #707H    |                     |                 |               |                   |
|----------------------|----------|----------|---------------------|-----------------|---------------|-------------------|
| Well Position        | +N/-S    | 0.0 usft | Northing:           | 418,941.00 usft | Latitude:     | 32° 8' 59.436 N   |
|                      | +E/-W    | 0.0 usft | Easting:            | 756,184.00 usft | Longitude:    | 103° 38' 20.866 W |
| Position Uncertainty | 0.0 usft |          | Wellhead Elevation: | usft            | Ground Level: | 3,518.0 usft      |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | OH                |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2020          | 7/21/2022          | 6.44                   | 59.79                | 47,328.12258323            |

|                          |                                |                     |                     |                          |
|--------------------------|--------------------------------|---------------------|---------------------|--------------------------|
| <b>Design</b>            | OH                             |                     |                     |                          |
| <b>Audit Notes:</b>      |                                |                     |                     |                          |
| <b>Version:</b>          | 1.0                            | <b>Phase:</b>       | ACTUAL              | <b>Tie On Depth:</b> 0.0 |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Direction (°)</b>     |
|                          | 0.0                            | 0.0                 | 0.0                 | 180.78                   |

|                       |                  |                          |                  |                    |
|-----------------------|------------------|--------------------------|------------------|--------------------|
| <b>Survey Program</b> | <b>Date</b>      | 8/30/2022                |                  |                    |
| <b>From (usft)</b>    | <b>To (usft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b> | <b>Description</b> |
| 195.0                 | 22,473.0         | SDI MWD #1 (OH)          | EOG MWD+IFR1     | MWD + IFR1         |



## Final PVA

|                  |                             |                                     |                                 |
|------------------|-----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>  | Midland                     | <b>Local Co-ordinate Reference:</b> | Well #707H                      |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>TVD Reference:</b>               | KB = 25' @ 3543.0usft (H&P 389) |
| <b>Site:</b>     | Ruthless 11 Fed Com         | <b>MD Reference:</b>                | KB = 25' @ 3543.0usft (H&P 389) |
| <b>Well:</b>     | #707H                       | <b>North Reference:</b>             | Grid                            |
| <b>Wellbore:</b> | OH                          | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Design:</b>   | OH                          | <b>Database:</b>                    | PEDM                            |

| 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) |  |
| 0.0          | 0.00       | 0.00                 | 0.0           | 0.0           | 0.0           | 0.00                | 0.00                 | 0.00                | 0.0                    | 0.0                     |  |
| 195.0        | 0.53       | 279.95               | 195.0         | 0.2           | -0.9          | 0.27                | 0.27                 | 0.00                | -0.9                   | 0.0                     |  |
| 385.0        | 0.57       | 264.85               | 385.0         | 0.2           | -2.7          | 0.08                | 0.02                 | -7.95               | -2.7                   | -0.5                    |  |
| 471.0        | 0.58       | 270.97               | 471.0         | 0.2           | -3.6          | 0.07                | 0.01                 | 7.12                | -3.6                   | -0.1                    |  |
| 569.0        | 0.79       | 263.57               | 569.0         | 0.1           | -4.7          | 0.23                | 0.21                 | -7.55               | -4.7                   | -0.7                    |  |
| 663.0        | 0.79       | 264.48               | 663.0         | 0.0           | -6.0          | 0.01                | 0.00                 | 0.97                | -6.0                   | -0.6                    |  |
| 759.0        | 0.72       | 255.45               | 759.0         | -0.2          | -7.3          | 0.14                | -0.07                | -9.41               | -7.1                   | -1.6                    |  |
| 854.0        | 0.75       | 249.69               | 854.0         | -0.6          | -8.4          | 0.08                | 0.03                 | -6.06               | -8.1                   | -2.4                    |  |
| 950.0        | 0.66       | 245.47               | 949.9         | -1.0          | -9.5          | 0.11                | -0.09                | -4.40               | -9.1                   | -3.0                    |  |
| 1,012.0      | 0.67       | 239.64               | 1,011.9       | -1.4          | -10.1         | 0.11                | 0.02                 | -9.40               | -9.4                   | -3.9                    |  |
| 1,149.0      | 0.64       | 251.96               | 1,148.9       | -2.0          | -11.6         | 0.10                | -0.02                | 8.99                | -11.6                  | -1.7                    |  |
| 1,243.0      | 0.34       | 248.20               | 1,242.9       | -2.3          | -12.3         | 0.32                | -0.32                | -4.00               | -12.3                  | -2.5                    |  |
| 1,338.0      | 2.83       | 339.98               | 1,337.9       | -0.2          | -13.4         | 3.01                | 2.62                 | 96.61               | -4.4                   | 12.6                    |  |
| 1,433.0      | 3.57       | 353.36               | 1,432.7       | 5.0           | -14.5         | 1.10                | 0.78                 | 14.08               | -6.4                   | 13.8                    |  |
| 1,528.0      | 6.51       | 352.43               | 1,527.4       | 13.2          | -15.6         | 3.10                | 3.09                 | -0.98               | -12.4                  | 13.1                    |  |
| 1,624.0      | 6.59       | 353.45               | 1,622.7       | 24.1          | -16.9         | 0.15                | 0.08                 | 1.06                | -17.4                  | 12.0                    |  |
| 1,719.0      | 6.58       | 352.93               | 1,717.1       | 34.9          | -18.2         | 0.06                | -0.01                | -0.55               | -19.7                  | 9.7                     |  |
| 1,815.0      | 6.19       | 352.71               | 1,812.5       | 45.5          | -19.6         | 0.41                | -0.41                | -0.23               | -18.4                  | 6.8                     |  |
| 1,910.0      | 5.93       | 355.29               | 1,907.0       | 55.5          | -20.6         | 0.40                | -0.27                | 2.72                | -14.8                  | 4.1                     |  |
| 2,005.0      | 6.05       | 357.26               | 2,001.5       | 65.4          | -21.3         | 0.25                | 0.13                 | 2.07                | -11.5                  | 0.6                     |  |
| 2,100.0      | 7.98       | 346.81               | 2,095.8       | 76.8          | -23.0         | 2.43                | 2.03                 | -11.00              | -9.4                   | -4.1                    |  |
| 2,195.0      | 8.11       | 347.99               | 2,189.8       | 89.8          | -25.9         | 0.22                | 0.14                 | 1.24                | -9.2                   | -5.7                    |  |
| 2,385.0      | 8.02       | 350.95               | 2,377.9       | 116.0         | -30.8         | 0.22                | -0.05                | 1.56                | -9.2                   | -10.0                   |  |
| 2,480.0      | 8.19       | 351.89               | 2,472.0       | 129.2         | -32.8         | 0.23                | 0.18                 | 0.99                | -9.4                   | -12.6                   |  |
| 2,575.0      | 7.79       | 352.83               | 2,566.1       | 142.3         | -34.5         | 0.44                | -0.42                | 0.99                | -9.4                   | -15.5                   |  |
| 2,670.0      | 7.76       | 337.76               | 2,660.2       | 154.6         | -37.8         | 2.14                | -0.03                | -15.86              | -4.1                   | -18.6                   |  |
| 2,765.0      | 7.67       | 338.94               | 2,754.3       | 166.5         | -42.5         | 0.19                | -0.09                | 1.24                | -3.5                   | -18.2                   |  |



## Final PVA

**Company:** Midland  
**Project:** Lea County, NM (NAD 83 NME)  
**Site:** Ruthless 11 Fed Com  
**Well:** #707H  
**Wellbore:** OH  
**Design:** OH

**Local Co-ordinate Reference:** Well #707H  
**TVD Reference:** KB = 25' @ 3543.0usft (H&P 389)  
**MD Reference:** KB = 25' @ 3543.0usft (H&P 389)  
**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature  
**Database:** PEDM

| 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) |  |
| 2,860.0      | 7.84       | 339.16               | 2,848.5       | 178.5         | -47.0         | 0.18                | 0.18                 | 0.23                | -2.7                   | -18.1                   |  |
| 2,955.0      | 7.91       | 341.24               | 2,942.6       | 190.7         | -51.4         | 0.31                | 0.07                 | 2.19                | -2.6                   | -18.1                   |  |
| 3,051.0      | 8.22       | 344.25               | 3,037.6       | 203.6         | -55.4         | 0.55                | 0.32                 | 3.14                | -3.2                   | -18.7                   |  |
| 3,146.0      | 8.21       | 345.71               | 3,131.7       | 216.7         | -59.0         | 0.22                | -0.01                | 1.54                | -3.6                   | -19.9                   |  |
| 3,241.0      | 8.79       | 333.66               | 3,225.6       | 229.8         | -63.9         | 1.97                | 0.61                 | -12.68              | 0.3                    | -20.3                   |  |
| 3,336.0      | 8.66       | 335.88               | 3,319.5       | 242.8         | -70.0         | 0.38                | -0.14                | 2.34                | -1.2                   | -19.1                   |  |
| 3,431.0      | 8.55       | 332.76               | 3,413.5       | 255.6         | -76.1         | 0.50                | -0.12                | -3.28               | -0.8                   | -17.9                   |  |
| 3,526.0      | 7.64       | 334.79               | 3,507.5       | 267.6         | -82.1         | 1.00                | -0.96                | 2.14                | -1.1                   | -16.4                   |  |
| 3,622.0      | 7.81       | 337.09               | 3,602.6       | 279.4         | -87.3         | 0.37                | 0.18                 | 2.40                | -0.8                   | -15.5                   |  |
| 3,718.0      | 8.79       | 341.35               | 3,697.6       | 292.3         | -92.2         | 1.20                | 1.02                 | 4.44                | -2.0                   | -15.3                   |  |
| 3,813.0      | 8.21       | 344.14               | 3,791.6       | 305.7         | -96.4         | 0.75                | -0.61                | 2.94                | -3.1                   | -16.0                   |  |
| 3,909.0      | 7.15       | 342.48               | 3,886.7       | 318.0         | -100.1        | 1.13                | -1.10                | -1.73               | -1.6                   | -16.9                   |  |
| 4,005.0      | 6.68       | 338.48               | 3,982.0       | 328.9         | -103.9        | 0.70                | -0.49                | -4.17               | 1.9                    | -17.1                   |  |
| 4,100.0      | 9.04       | 329.04               | 4,076.1       | 340.5         | -109.8        | 2.82                | 2.48                 | -9.94               | 5.2                    | -15.0                   |  |
| 4,195.0      | 7.80       | 335.52               | 4,170.1       | 352.7         | -116.3        | 1.64                | -1.31                | 6.82                | 3.3                    | -13.7                   |  |
| 4,290.0      | 6.86       | 339.55               | 4,264.3       | 363.9         | -120.9        | 1.13                | -0.99                | 4.24                | 3.9                    | -13.4                   |  |
| 4,386.0      | 9.41       | 327.53               | 4,359.4       | 375.9         | -127.2        | 3.18                | 2.66                 | -12.52              | 6.7                    | -10.6                   |  |
| 4,481.0      | 7.78       | 330.95               | 4,453.3       | 388.1         | -134.4        | 1.80                | -1.72                | 3.60                | 5.4                    | -8.4                    |  |
| 4,576.0      | 5.70       | 333.32               | 4,547.6       | 397.9         | -139.7        | 2.21                | -2.19                | 2.49                | 7.6                    | -6.9                    |  |
| 4,672.0      | 9.77       | 333.59               | 4,642.7       | 409.5         | -145.5        | 4.24                | 4.24                 | 0.28                | 8.4                    | -5.5                    |  |
| 4,767.0      | 10.51      | 331.78               | 4,736.3       | 424.3         | -153.1        | 0.85                | 0.78                 | -1.91               | 5.4                    | -3.6                    |  |
| 4,863.0      | 9.64       | 332.34               | 4,830.8       | 439.2         | -161.0        | 0.91                | -0.91                | 0.58                | 2.2                    | -1.8                    |  |
| 4,957.0      | 8.33       | 329.94               | 4,923.6       | 452.0         | -168.1        | 1.45                | -1.39                | -2.55               | 1.0                    | 0.3                     |  |
| 5,052.0      | 8.74       | 328.41               | 5,017.6       | 464.1         | -175.3        | 0.49                | 0.43                 | -1.61               | 0.3                    | 2.8                     |  |
| 5,146.0      | 12.17      | 339.92               | 5,110.0       | 479.5         | -182.4        | 4.25                | 3.65                 | 12.24               | -2.5                   | 4.0                     |  |
| 5,242.0      | 11.75      | 339.71               | 5,203.9       | 498.2         | -189.3        | 0.44                | -0.44                | -0.22               | -8.7                   | 3.9                     |  |
| 5,337.0      | 11.59      | 338.80               | 5,297.0       | 516.2         | -196.1        | 0.26                | -0.17                | -0.96               | -14.4                  | 3.8                     |  |



## Final PVA

|                  |                             |                                     |                                 |
|------------------|-----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>  | Midland                     | <b>Local Co-ordinate Reference:</b> | Well #707H                      |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>TVD Reference:</b>               | KB = 25' @ 3543.0usft (H&P 389) |
| <b>Site:</b>     | Ruthless 11 Fed Com         | <b>MD Reference:</b>                | KB = 25' @ 3543.0usft (H&P 389) |
| <b>Well:</b>     | #707H                       | <b>North Reference:</b>             | Grid                            |
| <b>Wellbore:</b> | OH                          | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Design:</b>   | OH                          | <b>Database:</b>                    | PEDM                            |

| 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) |  |
| 5,432.0      | 11.35      | 336.69               | 5,390.1       | 533.6         | -203.3        | 0.51                | -0.25                | -2.22               | -19.8                  | 3.7                     |  |
| 5,528.0      | 11.90      | 335.44               | 5,484.1       | 551.3         | -211.1        | 0.63                | 0.57                 | -1.30               | -25.5                  | 4.0                     |  |
| 5,623.0      | 10.91      | 342.59               | 5,577.2       | 568.8         | -217.9        | 1.81                | -1.04                | 7.53                | -29.9                  | 7.6                     |  |
| 5,718.0      | 10.17      | 339.73               | 5,670.6       | 585.3         | -223.5        | 0.95                | -0.78                | -3.01               | -33.9                  | 5.7                     |  |
| 5,813.0      | 9.10       | 350.08               | 5,764.3       | 600.5         | -227.7        | 2.14                | -1.13                | 10.89               | -34.7                  | 10.6                    |  |
| 5,909.0      | 8.90       | 346.66               | 5,859.1       | 615.2         | -230.7        | 0.59                | -0.21                | -3.56               | -36.5                  | 6.4                     |  |
| 6,004.0      | 8.88       | 345.58               | 5,953.0       | 629.5         | -234.2        | 0.18                | -0.02                | -1.14               | -37.7                  | 4.2                     |  |
| 6,100.0      | 8.15       | 343.13               | 6,047.9       | 643.2         | -238.0        | 0.85                | -0.76                | -2.55               | -38.3                  | 1.4                     |  |
| 6,195.0      | 7.80       | 342.16               | 6,142.0       | 655.8         | -242.0        | 0.39                | -0.37                | -1.02               | -37.8                  | 0.0                     |  |
| 6,291.0      | 7.94       | 340.12               | 6,237.1       | 668.2         | -246.2        | 0.33                | 0.15                 | -2.12               | -37.0                  | -1.6                    |  |
| 6,386.0      | 8.23       | 341.65               | 6,331.1       | 680.8         | -250.6        | 0.38                | 0.31                 | 1.61                | -36.7                  | -1.0                    |  |
| 6,481.0      | 7.87       | 353.60               | 6,425.2       | 693.7         | -253.5        | 1.80                | -0.38                | 12.58               | -36.0                  | 4.7                     |  |
| 6,577.0      | 7.41       | 351.93               | 6,520.3       | 706.4         | -255.1        | 0.53                | -0.48                | -1.74               | -35.3                  | 0.5                     |  |
| 6,672.0      | 7.43       | 350.34               | 6,614.6       | 718.5         | -257.0        | 0.22                | 0.02                 | -1.67               | -34.1                  | -3.2                    |  |
| 6,767.0      | 6.54       | 354.10               | 6,708.8       | 730.0         | -258.5        | 1.05                | -0.94                | 3.96                | -32.5                  | -4.0                    |  |
| 6,862.0      | 5.64       | 341.54               | 6,803.3       | 739.8         | -260.6        | 1.69                | -0.95                | -13.22              | -27.1                  | -12.6                   |  |
| 6,958.0      | 3.88       | 2.37                 | 6,899.0       | 747.5         | -261.9        | 2.54                | -1.83                | 21.70               | -25.8                  | -5.4                    |  |
| 7,053.0      | 3.30       | 1.40                 | 6,993.8       | 753.4         | -261.7        | 0.61                | -0.61                | -1.02               | -22.9                  | -9.3                    |  |
| 7,148.0      | 1.16       | 26.77                | 7,088.7       | 757.0         | -261.2        | 2.43                | -2.25                | 26.71               | -23.8                  | -2.0                    |  |
| 7,243.0      | 0.79       | 35.77                | 7,183.7       | 758.4         | -260.4        | 0.42                | -0.39                | 9.47                | -23.7                  | -0.7                    |  |
| 7,338.0      | 0.67       | 23.27                | 7,278.7       | 759.5         | -259.8        | 0.21                | -0.13                | -13.16              | -23.9                  | -6.3                    |  |
| 7,433.0      | 0.30       | 28.38                | 7,373.7       | 760.2         | -259.5        | 0.39                | -0.39                | 5.38                | -25.1                  | -4.1                    |  |
| 7,529.0      | 0.17       | 265.44               | 7,469.7       | 760.4         | -259.5        | 0.43                | -0.14                | -128.06             | 17.1                   | -19.1                   |  |
| 7,624.0      | 0.20       | 238.32               | 7,564.7       | 760.3         | -259.8        | 0.10                | 0.03                 | -28.55              | 23.6                   | -9.3                    |  |
| 7,719.0      | 0.54       | 251.27               | 7,659.7       | 760.1         | -260.3        | 0.37                | 0.36                 | 13.63               | 20.3                   | -14.3                   |  |
| 7,813.0      | 0.52       | 257.02               | 7,753.7       | 759.8         | -261.2        | 0.06                | -0.02                | 6.12                | 17.9                   | -16.2                   |  |
| 7,909.0      | 0.62       | 283.82               | 7,849.7       | 759.8         | -262.1        | 0.29                | 0.10                 | 27.92               | 7.8                    | -22.4                   |  |



## Final PVA

|                  |                             |                                     |                                 |
|------------------|-----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>  | Midland                     | <b>Local Co-ordinate Reference:</b> | Well #707H                      |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>TVD Reference:</b>               | KB = 25' @ 3543.0usft (H&P 389) |
| <b>Site:</b>     | Ruthless 11 Fed Com         | <b>MD Reference:</b>                | KB = 25' @ 3543.0usft (H&P 389) |
| <b>Well:</b>     | #707H                       | <b>North Reference:</b>             | Grid                            |
| <b>Wellbore:</b> | OH                          | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Design:</b>   | OH                          | <b>Database:</b>                    | PEDM                            |

| 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) |  |
| 8,004.0      | 0.57       | 251.45               | 7,944.7       | 759.8         | -263.1        | 0.35                | -0.05                | -34.07              | 17.6                   | -15.0                   |  |
| 8,099.0      | 0.63       | 254.21               | 8,039.7       | 759.5         | -264.0        | 0.07                | 0.06                 | 2.91                | 15.9                   | -15.8                   |  |
| 8,195.0      | 0.91       | 222.36               | 8,135.7       | 758.8         | -265.0        | 0.52                | 0.29                 | -33.18              | 20.6                   | -5.3                    |  |
| 8,290.0      | 1.29       | 216.58               | 8,230.6       | 757.4         | -266.2        | 0.42                | 0.40                 | -6.08               | 19.2                   | -3.3                    |  |
| 8,385.0      | 1.21       | 214.29               | 8,325.6       | 755.7         | -267.4        | 0.10                | -0.08                | -2.41               | 17.3                   | -2.6                    |  |
| 8,481.0      | 1.54       | 223.31               | 8,421.6       | 753.9         | -268.8        | 0.41                | 0.34                 | 9.40                | 14.4                   | -5.1                    |  |
| 8,576.0      | 1.81       | 234.74               | 8,516.6       | 752.1         | -270.9        | 0.45                | 0.28                 | 12.03               | 10.3                   | -7.6                    |  |
| 8,671.0      | 2.27       | 240.43               | 8,611.5       | 750.4         | -273.8        | 0.53                | 0.48                 | 5.99                | 6.2                    | -8.4                    |  |
| 8,766.0      | 2.34       | 239.45               | 8,706.4       | 748.4         | -277.1        | 0.08                | 0.07                 | -1.03               | 2.5                    | -8.3                    |  |
| 8,861.0      | 2.37       | 237.77               | 8,801.3       | 746.4         | -280.4        | 0.08                | 0.03                 | -1.77               | -1.2                   | -8.3                    |  |
| 8,956.0      | 2.31       | 239.56               | 8,896.3       | 744.4         | -283.7        | 0.10                | -0.06                | 1.88                | -5.3                   | -8.2                    |  |
| 9,051.0      | 2.14       | 251.88               | 8,991.2       | 742.9         | -287.1        | 0.53                | -0.18                | 12.97               | -10.6                  | -6.5                    |  |
| 9,147.0      | 2.03       | 269.91               | 9,087.1       | 742.3         | -290.5        | 0.69                | -0.11                | 18.78               | -15.5                  | -2.3                    |  |
| 9,243.0      | 2.13       | 255.43               | 9,183.1       | 741.9         | -293.9        | 0.56                | 0.10                 | -15.08              | -17.8                  | -6.6                    |  |
| 9,338.0      | 2.50       | 242.48               | 9,278.0       | 740.5         | -297.5        | 0.67                | 0.39                 | -13.63              | -19.7                  | -10.8                   |  |
| 9,433.0      | 3.73       | 240.88               | 9,372.8       | 738.0         | -302.0        | 1.30                | 1.29                 | -1.68               | -24.6                  | -11.4                   |  |
| 9,528.0      | 1.29       | 280.76               | 9,467.8       | 736.7         | -305.7        | 3.01                | -2.57                | 41.98               | -29.6                  | 9.0                     |  |
| 9,623.0      | 1.85       | 75.03                | 9,562.7       | 737.3         | -305.3        | 3.22                | 0.59                 | 162.39              | 30.0                   | 5.2                     |  |
| 9,719.0      | 1.98       | 99.59                | 9,658.7       | 737.4         | -302.2        | 0.86                | 0.14                 | 25.58               | 26.4                   | -7.1                    |  |
| 9,814.0      | 1.78       | 132.64               | 9,753.6       | 736.1         | -299.5        | 1.14                | -0.21                | 34.79               | 15.4                   | -19.4                   |  |
| 9,909.0      | 2.27       | 163.86               | 9,848.6       | 733.3         | -297.9        | 1.25                | 0.52                 | 32.86               | -0.1                   | -23.8                   |  |
| 10,004.0     | 2.21       | 175.08               | 9,943.5       | 729.7         | -297.2        | 0.47                | -0.06                | 11.81               | -8.4                   | -23.0                   |  |
| 10,099.0     | 2.12       | 139.03               | 10,038.4      | 726.5         | -295.9        | 1.41                | -0.09                | -37.95              | 3.5                    | -24.6                   |  |
| 10,194.0     | 2.53       | 145.12               | 10,133.4      | 723.5         | -293.5        | 0.50                | 0.43                 | 6.41                | -2.9                   | -24.6                   |  |
| 10,290.0     | 2.61       | 162.60               | 10,229.3      | 719.7         | -291.7        | 0.82                | 0.08                 | 18.21               | -14.4                  | -22.0                   |  |
| 10,385.0     | 1.95       | 179.87               | 10,324.2      | 716.0         | -291.0        | 1.00                | -0.69                | 18.18               | -24.0                  | -16.1                   |  |
| 10,481.0     | 2.52       | 181.37               | 10,420.1      | 712.2         | -291.1        | 0.60                | 0.59                 | 1.56                | -28.1                  | -15.4                   |  |



## Final PVA

**Company:** Midland  
**Project:** Lea County, NM (NAD 83 NME)  
**Site:** Ruthless 11 Fed Com  
**Well:** #707H  
**Wellbore:** OH  
**Design:** OH

**Local Co-ordinate Reference:** Well #707H  
**TVD Reference:** KB = 25' @ 3543.0usft (H&P 389)  
**MD Reference:** KB = 25' @ 3543.0usft (H&P 389)  
**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature  
**Database:** PEDM

| 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) |  |
| 10,577.0          | 1.40       | 228.70               | 10,516.1      | 709.4         | -292.0        | 1.96                | -1.17                | 49.30               | -33.0                  | 11.8                    |  |
| 10,672.0          | 1.26       | 289.20               | 10,611.1      | 708.9         | -293.9        | 1.42                | -0.15                | 63.68               | -7.6                   | 35.5                    |  |
| 10,768.0          | 0.84       | 306.12               | 10,707.0      | 709.7         | -295.4        | 0.54                | -0.44                | 17.62               | 1.4                    | 36.5                    |  |
| 10,864.0          | 1.31       | 128.78               | 10,803.0      | 709.4         | -295.1        | 2.24                | 0.49                 | -184.73             | -3.5                   | -36.4                   |  |
| 10,959.0          | 1.72       | 156.79               | 10,898.0      | 707.4         | -293.7        | 0.88                | 0.43                 | 29.48               | -22.5                  | -30.0                   |  |
| 11,055.0          | 1.91       | 177.29               | 10,994.0      | 704.5         | -293.1        | 0.70                | 0.20                 | 21.35               | -34.6                  | -19.7                   |  |
| 11,150.0          | 2.45       | 208.05               | 11,088.9      | 701.1         | -294.0        | 1.33                | 0.57                 | 32.38               | -43.2                  | 1.5                     |  |
| 11,246.0          | 2.54       | 219.51               | 11,184.8      | 697.7         | -296.3        | 0.53                | 0.09                 | 11.94               | -46.2                  | 10.5                    |  |
| 11,341.0          | 3.46       | 236.07               | 11,279.7      | 694.5         | -300.0        | 1.32                | 0.97                 | 17.43               | -46.1                  | 23.9                    |  |
| 11,436.0          | 3.79       | 242.02               | 11,374.5      | 691.4         | -305.1        | 0.53                | 0.35                 | 6.26                | -49.4                  | 28.8                    |  |
| 11,531.0          | 3.17       | 236.02               | 11,469.3      | 688.5         | -310.1        | 0.76                | -0.65                | -6.32               | -57.9                  | 23.2                    |  |
| 11,626.0          | 2.74       | 231.53               | 11,564.2      | 685.6         | -314.1        | 0.51                | -0.45                | -4.73               | -64.4                  | 18.3                    |  |
| 11,779.0          | 2.66       | 239.39               | 11,717.0      | 681.5         | -320.0        | 0.25                | -0.05                | 5.14                | -68.5                  | 27.5                    |  |
| 11,874.0          | 2.02       | 215.66               | 11,811.9      | 679.0         | -322.8        | 1.21                | -0.67                | -24.98              | -77.4                  | -3.3                    |  |
| 11,929.0          | 2.31       | 178.81               | 11,866.9      | 677.1         | -323.4        | 2.53                | 0.52                 | -67.00              | -60.9                  | -49.8                   |  |
| KOP (MD=11929.0') |            |                      |               |               |               |                     |                      |                     |                        |                         |  |
| 11,970.0          | 2.96       | 161.04               | 11,907.8      | 675.3         | -323.0        | 2.53                | 1.60                 | -43.34              | -39.9                  | -65.5                   |  |
| 12,046.0          | 2.71       | 148.56               | 11,983.8      | 671.9         | -321.4        | 0.87                | -0.33                | -16.42              | -10.1                  | -65.7                   |  |
| 12,138.0          | 12.76      | 161.39               | 12,074.8      | 660.4         | -317.1        | 11.02               | 10.92                | 13.95               | 1.0                    | -54.0                   |  |
| 12,234.0          | 37.55      | 160.19               | 12,161.0      | 622.2         | -303.6        | 25.83               | 25.82                | -1.25               | 16.8                   | -43.4                   |  |
| 12,299.0          | 54.43      | 161.43               | 12,206.0      | 578.2         | -288.3        | 26.00               | 25.97                | 1.91                | 13.3                   | -35.7                   |  |
| 12,360.0          | 67.05      | 162.61               | 12,235.8      | 527.7         | -271.9        | 20.76               | 20.69                | 1.93                | 2.9                    | -27.9                   |  |
| 12,455.0          | 76.31      | 164.10               | 12,265.6      | 441.4         | -246.2        | 9.86                | 9.75                 | 1.57                | -14.2                  | -15.8                   |  |
| 12,551.0          | 79.29      | 168.35               | 12,285.9      | 350.3         | -223.9        | 5.32                | 3.10                 | 4.43                | -22.1                  | -6.7                    |  |
| 12,646.0          | 84.43      | 170.67               | 12,299.4      | 257.8         | -206.8        | 5.93                | 5.41                 | 2.44                | -16.6                  | -3.1                    |  |
| 12,741.0          | 88.06      | 175.85               | 12,305.6      | 163.7         | -195.6        | 6.65                | 3.82                 | 5.45                | -10.0                  | -2.2                    |  |
| 12,836.0          | 90.00      | 180.37               | 12,307.2      | 68.8          | -192.5        | 5.18                | 2.04                 | 4.76                | -7.9                   | -3.1                    |  |



## Final PVA

|                  |                             |                                     |                                 |
|------------------|-----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>  | Midland                     | <b>Local Co-ordinate Reference:</b> | Well #707H                      |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>TVD Reference:</b>               | KB = 25' @ 3543.0usft (H&P 389) |
| <b>Site:</b>     | Ruthless 11 Fed Com         | <b>MD Reference:</b>                | KB = 25' @ 3543.0usft (H&P 389) |
| <b>Well:</b>     | #707H                       | <b>North Reference:</b>             | Grid                            |
| <b>Wellbore:</b> | OH                          | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Design:</b>   | OH                          | <b>Database:</b>                    | PEDM                            |

| 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) |
| 12,931.0     | 92.95      | 181.61               | 12,304.7      | -26.1         | -194.2        | 3.37                | 3.11                 | 1.31                | -10.0                  | -5.3                    |
| 13,026.0     | 89.09      | 182.69               | 12,303.0      | -121.0        | -197.7        | 4.22                | -4.06                | 1.14                | -11.3                  | -9.5                    |
| 13,121.0     | 88.66      | 179.51               | 12,304.9      | -216.0        | -199.5        | 3.38                | -0.45                | -3.35               | -9.0                   | -11.9                   |
| 13,216.0     | 89.87      | 180.01               | 12,306.1      | -311.0        | -199.1        | 1.38                | 1.27                 | 0.53                | -7.4                   | -12.1                   |
| 13,312.0     | 88.76      | 176.26               | 12,307.3      | -406.9        | -196.0        | 4.07                | -1.16                | -3.91               | -5.9                   | -9.5                    |
| 13,408.0     | 92.28      | 175.19               | 12,306.4      | -502.6        | -188.9        | 3.83                | 3.67                 | -1.11               | -6.3                   | -3.0                    |
| 13,503.0     | 93.76      | 178.60               | 12,301.4      | -597.3        | -183.7        | 3.91                | 1.56                 | 3.59                | -11.0                  | 1.6                     |
| 13,599.0     | 90.27      | 174.34               | 12,298.0      | -693.0        | -177.8        | 5.73                | -3.64                | -4.44               | -13.9                  | 6.9                     |
| 13,695.0     | 93.35      | 176.10               | 12,295.0      | -788.6        | -169.8        | 3.69                | 3.21                 | 1.83                | -16.5                  | 14.4                    |
| 13,790.0     | 91.45      | 178.01               | 12,291.0      | -883.4        | -164.9        | 2.83                | -2.00                | 2.01                | -20.1                  | 18.6                    |
| 13,884.0     | 90.34      | 179.79               | 12,289.5      | -977.4        | -163.1        | 2.23                | -1.18                | 1.89                | -21.2                  | 19.9                    |
| 13,980.0     | 89.60      | 180.24               | 12,289.6      | -1,073.4      | -163.2        | 0.90                | -0.77                | 0.47                | -20.8                  | 19.2                    |
| 14,074.0     | 90.57      | 180.78               | 12,289.5      | -1,167.4      | -164.0        | 1.18                | 1.03                 | 0.57                | -20.5                  | 17.8                    |
| 14,169.0     | 90.54      | 179.30               | 12,288.5      | -1,262.4      | -164.1        | 1.56                | -0.03                | -1.56               | -21.0                  | 17.2                    |
| 14,265.0     | 88.99      | 178.19               | 12,288.9      | -1,358.3      | -162.0        | 1.99                | -1.61                | -1.16               | -20.2                  | 18.7                    |
| 14,360.0     | 89.60      | 177.74               | 12,290.1      | -1,453.3      | -158.6        | 0.80                | 0.64                 | -0.47               | -18.7                  | 21.5                    |
| 14,455.0     | 92.68      | 183.57               | 12,288.2      | -1,548.2      | -159.7        | 6.94                | 3.24                 | 6.14                | -20.3                  | 19.8                    |
| 14,550.0     | 90.80      | 180.11               | 12,285.3      | -1,643.1      | -162.7        | 4.14                | -1.98                | -3.64               | -22.8                  | 16.2                    |
| 14,646.0     | 89.26      | 180.03               | 12,285.3      | -1,739.1      | -162.8        | 1.61                | -1.60                | -0.08               | -22.5                  | 15.5                    |
| 14,742.0     | 86.27      | 177.76               | 12,289.0      | -1,835.0      | -161.0        | 3.91                | -3.11                | -2.36               | -18.4                  | 16.7                    |
| 14,837.0     | 87.71      | 178.47               | 12,294.0      | -1,929.8      | -157.9        | 1.69                | 1.52                 | 0.75                | -13.0                  | 19.3                    |
| 14,933.0     | 91.98      | 179.08               | 12,294.3      | -2,025.7      | -155.8        | 4.49                | 4.45                 | 0.64                | -12.4                  | 20.8                    |
| 15,028.0     | 94.21      | 181.19               | 12,289.1      | -2,120.6      | -156.0        | 3.23                | 2.35                 | 2.22                | -17.2                  | 19.9                    |
| 15,124.0     | 90.40      | 179.40               | 12,285.3      | -2,216.5      | -156.5        | 4.38                | -3.97                | -1.86               | -20.7                  | 18.9                    |
| 15,219.0     | 90.67      | 180.67               | 12,284.4      | -2,311.5      | -156.6        | 1.37                | 0.28                 | 1.34                | -21.2                  | 18.2                    |
| 15,314.0     | 90.20      | 180.07               | 12,283.7      | -2,406.5      | -157.2        | 0.80                | -0.49                | -0.63               | -21.6                  | 17.0                    |
| 15,410.0     | 91.91      | 182.54               | 12,281.9      | -2,502.4      | -159.4        | 3.13                | 1.78                 | 2.57                | -23.0                  | 14.2                    |



## Final PVA

|                  |                             |                                     |                                 |
|------------------|-----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>  | Midland                     | <b>Local Co-ordinate Reference:</b> | Well #707H                      |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>TVD Reference:</b>               | KB = 25' @ 3543.0usft (H&P 389) |
| <b>Site:</b>     | Ruthless 11 Fed Com         | <b>MD Reference:</b>                | KB = 25' @ 3543.0usft (H&P 389) |
| <b>Well:</b>     | #707H                       | <b>North Reference:</b>             | Grid                            |
| <b>Wellbore:</b> | OH                          | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Design:</b>   | OH                          | <b>Database:</b>                    | PEDM                            |

| 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) |
| 15,505.0     | 90.37      | 182.29               | 12,280.0      | -2,597.3      | -163.4        | 1.64                | -1.62                | -0.26               | -24.5                  | 9.7                     |
| 15,600.0     | 88.96      | 179.28               | 12,280.6      | -2,692.3      | -164.7        | 3.50                | -1.48                | -3.17               | -23.6                  | 7.8                     |
| 15,696.0     | 90.81      | 183.08               | 12,280.8      | -2,788.3      | -166.7        | 4.40                | 1.93                 | 3.96                | -23.0                  | 5.2                     |
| 15,792.0     | 86.10      | 178.80               | 12,283.3      | -2,884.2      | -168.3        | 6.63                | -4.91                | -4.46               | -20.1                  | 3.1                     |
| 15,887.0     | 89.63      | 180.41               | 12,286.9      | -2,979.1      | -167.6        | 4.08                | 3.72                 | 1.69                | -16.2                  | 3.1                     |
| 15,982.0     | 90.54      | 180.10               | 12,286.7      | -3,074.1      | -168.0        | 1.01                | 0.96                 | -0.33               | -15.9                  | 2.1                     |
| 16,077.0     | 90.70      | 177.56               | 12,285.7      | -3,169.0      | -166.1        | 2.68                | 0.17                 | -2.67               | -16.5                  | 3.5                     |
| 16,173.0     | 91.24      | 176.39               | 12,284.1      | -3,264.9      | -161.0        | 1.34                | 0.56                 | -1.22               | -17.6                  | 8.0                     |
| 16,268.0     | 94.00      | 179.67               | 12,279.7      | -3,359.7      | -157.8        | 4.51                | 2.91                 | 3.45                | -21.5                  | 10.7                    |
| 16,364.0     | 91.54      | 180.47               | 12,275.1      | -3,455.6      | -157.9        | 2.69                | -2.56                | 0.83                | -25.7                  | 9.9                     |
| 16,460.0     | 92.31      | 181.12               | 12,271.9      | -3,551.5      | -159.2        | 1.05                | 0.80                 | 0.68                | -28.5                  | 8.0                     |
| 16,555.0     | 90.17      | 180.08               | 12,269.8      | -3,646.5      | -160.2        | 2.50                | -2.25                | -1.09               | -30.1                  | 6.4                     |
| 16,650.0     | 88.79      | 178.82               | 12,270.7      | -3,741.5      | -159.3        | 1.97                | -1.45                | -1.33               | -28.8                  | 6.7                     |
| 16,746.0     | 90.27      | 180.87               | 12,271.5      | -3,837.5      | -159.0        | 2.63                | 1.54                 | 2.14                | -27.5                  | 6.4                     |
| 16,841.0     | 92.58      | 182.67               | 12,269.1      | -3,932.4      | -162.0        | 3.08                | 2.43                 | 1.89                | -29.4                  | 2.9                     |
| 16,937.0     | 89.83      | 182.40               | 12,267.1      | -4,028.3      | -166.2        | 2.88                | -2.86                | -0.28               | -31.0                  | -1.9                    |
| 17,032.0     | 90.47      | 182.30               | 12,266.8      | -4,123.2      | -170.1        | 0.68                | 0.67                 | -0.11               | -30.8                  | -6.4                    |
| 17,126.0     | 88.89      | 181.85               | 12,267.4      | -4,217.1      | -173.5        | 1.75                | -1.68                | -0.48               | -29.8                  | -10.4                   |
| 17,222.0     | 90.13      | 181.84               | 12,268.2      | -4,313.1      | -176.6        | 1.29                | 1.29                 | -0.01               | -28.5                  | -14.1                   |
| 17,317.0     | 90.60      | 178.32               | 12,267.6      | -4,408.0      | -176.7        | 3.74                | 0.49                 | -3.71               | -28.7                  | -14.8                   |
| 17,412.0     | 91.21      | 180.09               | 12,266.1      | -4,503.0      | -175.4        | 1.97                | 0.64                 | 1.86                | -29.7                  | -14.1                   |
| 17,508.0     | 89.83      | 178.58               | 12,265.2      | -4,599.0      | -174.3        | 2.13                | -1.44                | -1.57               | -30.1                  | -13.6                   |
| 17,602.0     | 89.70      | 178.13               | 12,265.6      | -4,693.0      | -171.6        | 0.50                | -0.14                | -0.48               | -29.3                  | -11.4                   |
| 17,697.0     | 92.25      | 178.71               | 12,264.0      | -4,787.9      | -169.0        | 2.75                | 2.68                 | 0.61                | -30.5                  | -9.4                    |
| 17,793.0     | 91.48      | 177.78               | 12,260.9      | -4,883.8      | -166.0        | 1.26                | -0.80                | -0.97               | -33.1                  | -7.0                    |
| 17,886.0     | 92.48      | 178.72               | 12,257.6      | -4,976.7      | -163.2        | 1.48                | 1.08                 | 1.01                | -35.9                  | -4.8                    |
| 17,981.0     | 92.38      | 177.67               | 12,253.6      | -5,071.6      | -160.2        | 1.11                | -0.11                | -1.11               | -39.5                  | -2.4                    |



## Final PVA

|                  |                             |                                     |                                 |
|------------------|-----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>  | Midland                     | <b>Local Co-ordinate Reference:</b> | Well #707H                      |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>TVD Reference:</b>               | KB = 25' @ 3543.0usft (H&P 389) |
| <b>Site:</b>     | Ruthless 11 Fed Com         | <b>MD Reference:</b>                | KB = 25' @ 3543.0usft (H&P 389) |
| <b>Well:</b>     | #707H                       | <b>North Reference:</b>             | Grid                            |
| <b>Wellbore:</b> | OH                          | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Design:</b>   | OH                          | <b>Database:</b>                    | PEDM                            |

| 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) |
| 18,075.0     | 92.35      | 176.89               | 12,249.7      | -5,165.4      | -155.7        | 0.83                | -0.03                | -0.83               | -42.9                  | 1.5                     |
| 18,171.0     | 92.92      | 180.34               | 12,245.3      | -5,261.2      | -153.4        | 3.64                | 0.59                 | 3.59                | -46.9                  | 3.2                     |
| 18,266.0     | 90.84      | 179.13               | 12,242.2      | -5,356.2      | -153.0        | 2.53                | -2.19                | -1.27               | -49.1                  | 3.1                     |
| 18,361.0     | 90.70      | 179.06               | 12,240.9      | -5,451.2      | -151.5        | 0.16                | -0.15                | -0.07               | -48.9                  | 4.0                     |
| 18,457.0     | 91.31      | 178.70               | 12,239.2      | -5,547.1      | -149.6        | 0.74                | 0.64                 | -0.37               | -49.1                  | 5.3                     |
| 18,552.0     | 90.30      | 178.15               | 12,237.9      | -5,642.1      | -147.0        | 1.21                | -1.06                | -0.58               | -49.0                  | 7.3                     |
| 18,647.0     | 90.64      | 177.32               | 12,237.1      | -5,737.0      | -143.2        | 0.94                | 0.36                 | -0.87               | -48.3                  | 10.5                    |
| 18,742.0     | 90.80      | 177.29               | 12,235.9      | -5,831.9      | -138.8        | 0.17                | 0.17                 | -0.03               | -48.0                  | 14.4                    |
| 18,838.0     | 89.66      | 176.65               | 12,235.6      | -5,927.7      | -133.7        | 1.36                | -1.19                | -0.67               | -46.9                  | 18.8                    |
| 18,933.0     | 87.42      | 178.92               | 12,238.0      | -6,022.6      | -130.0        | 3.36                | -2.36                | 2.39                | -43.1                  | 21.9                    |
| 19,029.0     | 89.50      | 181.31               | 12,240.6      | -6,118.6      | -130.2        | 3.30                | 2.17                 | 2.49                | -39.0                  | 21.1                    |
| 19,125.0     | 90.94      | 181.23               | 12,240.2      | -6,214.6      | -132.4        | 1.50                | 1.50                 | -0.08               | -37.9                  | 18.4                    |
| 19,220.0     | 92.01      | 181.50               | 12,237.7      | -6,309.5      | -134.6        | 1.16                | 1.13                 | 0.28                | -38.9                  | 15.5                    |
| 19,315.0     | 88.66      | 180.67               | 12,237.2      | -6,404.5      | -136.4        | 3.63                | -3.53                | -0.87               | -38.0                  | 13.2                    |
| 19,410.0     | 90.97      | 180.87               | 12,237.5      | -6,499.5      | -137.7        | 2.44                | 2.43                 | 0.21                | -36.2                  | 11.3                    |
| 19,506.0     | 91.94      | 181.17               | 12,235.1      | -6,595.4      | -139.4        | 1.06                | 1.01                 | 0.31                | -37.2                  | 9.0                     |
| 19,601.0     | 92.14      | 180.41               | 12,231.7      | -6,690.3      | -140.7        | 0.83                | 0.21                 | -0.80               | -39.1                  | 7.1                     |
| 19,696.0     | 90.80      | 179.71               | 12,229.2      | -6,785.3      | -140.8        | 1.59                | -1.41                | -0.74               | -40.1                  | 6.4                     |
| 19,791.0     | 90.13      | 180.45               | 12,228.5      | -6,880.3      | -140.9        | 1.05                | -0.71                | 0.78                | -39.4                  | 5.7                     |
| 19,886.0     | 88.79      | 181.66               | 12,229.4      | -6,975.3      | -142.7        | 1.90                | -1.41                | 1.27                | -37.0                  | 3.4                     |
| 19,982.0     | 87.02      | 181.72               | 12,232.9      | -7,071.2      | -145.5        | 1.84                | -1.84                | 0.06                | -32.0                  | -0.1                    |
| 20,077.0     | 89.60      | 181.10               | 12,235.7      | -7,166.1      | -147.9        | 2.79                | 2.72                 | -0.65               | -27.8                  | -3.0                    |
| 20,172.0     | 90.10      | 180.99               | 12,235.9      | -7,261.1      | -149.6        | 0.54                | 0.53                 | -0.12               | -26.1                  | -5.3                    |
| 20,266.0     | 89.73      | 178.94               | 12,236.1      | -7,355.1      | -149.5        | 2.22                | -0.39                | -2.18               | -24.5                  | -5.8                    |
| 20,361.0     | 92.51      | 178.95               | 12,234.2      | -7,450.0      | -147.8        | 2.93                | 2.93                 | 0.01                | -24.9                  | -4.6                    |
| 20,457.0     | 92.38      | 176.77               | 12,230.1      | -7,545.9      | -144.2        | 2.27                | -0.14                | -2.27               | -27.5                  | -1.6                    |
| 20,552.0     | 89.66      | 177.20               | 12,228.4      | -7,640.7      | -139.2        | 2.90                | -2.86                | 0.45                | -27.7                  | 2.8                     |



## Final PVA

**Company:** Midland  
**Project:** Lea County, NM (NAD 83 NME)  
**Site:** Ruthless 11 Fed Com  
**Well:** #707H  
**Wellbore:** OH  
**Design:** OH

**Local Co-ordinate Reference:** Well #707H  
**TVD Reference:** KB = 25' @ 3543.0usft (H&P 389)  
**MD Reference:** KB = 25' @ 3543.0usft (H&P 389)  
**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature  
**Database:** PEDM

| 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) |
| 20,648.0                              | 90.20      | 178.47               | 12,228.5      | -7,736.6      | -135.6        | 1.44                | 0.56                 | 1.32                | -26.6                  | 5.8                     |
| 20,743.0                              | 89.46      | 182.02               | 12,228.8      | -7,831.6      | -136.0        | 3.82                | -0.78                | 3.74                | -25.4                  | 4.8                     |
| 20,838.0                              | 90.54      | 182.47               | 12,228.8      | -7,926.5      | -139.7        | 1.23                | 1.14                 | 0.47                | -24.5                  | 0.5                     |
| 20,933.0                              | 92.68      | 182.68               | 12,226.1      | -8,021.4      | -144.0        | 2.26                | 2.25                 | 0.22                | -26.3                  | -4.4                    |
| 21,028.0                              | 93.42      | 181.82               | 12,221.1      | -8,116.2      | -147.7        | 1.19                | 0.78                 | -0.91               | -30.5                  | -8.7                    |
| 21,124.0                              | 90.77      | 178.72               | 12,217.6      | -8,212.1      | -148.2        | 4.25                | -2.76                | -3.23               | -33.1                  | -9.7                    |
| 21,219.0                              | 92.31      | 178.81               | 12,215.0      | -8,307.0      | -146.1        | 1.62                | 1.62                 | 0.09                | -34.8                  | -8.3                    |
| 21,314.0                              | 90.87      | 179.91               | 12,212.4      | -8,402.0      | -145.0        | 1.91                | -1.52                | 1.16                | -36.5                  | -7.8                    |
| 21,409.0                              | 89.93      | 179.16               | 12,211.7      | -8,497.0      | -144.3        | 1.27                | -0.99                | -0.79               | -36.3                  | -7.6                    |
| 21,505.0                              | 89.43      | 178.95               | 12,212.3      | -8,593.0      | -142.7        | 0.56                | -0.52                | -0.22               | -34.8                  | -6.6                    |
| 21,600.0                              | 90.44      | 178.19               | 12,212.4      | -8,687.9      | -140.3        | 1.33                | 1.06                 | -0.80               | -33.8                  | -4.8                    |
| 21,696.0                              | 89.60      | 177.98               | 12,212.3      | -8,783.9      | -137.1        | 0.90                | -0.87                | -0.22               | -33.0                  | -2.2                    |
| 21,790.0                              | 92.64      | 178.16               | 12,210.5      | -8,877.8      | -133.9        | 3.24                | 3.23                 | 0.19                | -33.9                  | 0.4                     |
| 21,885.0                              | 93.52      | 178.80               | 12,205.4      | -8,972.6      | -131.4        | 1.14                | 0.93                 | 0.67                | -38.1                  | 2.3                     |
| 21,980.0                              | 95.09      | 179.47               | 12,198.3      | -9,067.4      | -130.0        | 1.80                | 1.65                 | 0.71                | -44.4                  | 3.2                     |
| 22,075.0                              | 95.30      | 180.04               | 12,189.7      | -9,162.0      | -129.6        | 0.64                | 0.22                 | 0.60                | -52.1                  | 3.0                     |
| 22,171.0                              | 95.66      | 179.90               | 12,180.5      | -9,257.5      | -129.5        | 0.40                | 0.37                 | -0.15               | -60.4                  | 2.4                     |
| 22,266.0                              | 95.95      | 178.98               | 12,170.9      | -9,352.0      | -128.6        | 1.01                | 0.31                 | -0.97               | -69.1                  | 2.8                     |
| 22,362.0                              | 96.65      | 179.67               | 12,160.4      | -9,447.4      | -127.5        | 1.02                | 0.73                 | 0.72                | -78.7                  | 3.3                     |
| 22,419.0                              | 96.98      | 179.61               | 12,153.6      | -9,504.0      | -127.1        | 0.59                | 0.58                 | -0.11               | -84.9                  | 3.3                     |
| Final MWD Survey (MD=22419.0')        |            |                      |               |               |               |                     |                      |                     |                        |                         |
| 22,473.0                              | 96.98      | 179.61               | 12,147.0      | -9,557.6      | -126.8        | 0.00                | 0.00                 | 0.00                | -91.0                  | 3.4                     |
| Final Projection to Bit (MD=22473.0') |            |                      |               |               |               |                     |                      |                     |                        |                         |



## Final PVA

|                  |                             |                                     |                                 |
|------------------|-----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>  | Midland                     | <b>Local Co-ordinate Reference:</b> | Well #707H                      |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>TVD Reference:</b>               | KB = 25' @ 3543.0usft (H&P 389) |
| <b>Site:</b>     | Ruthless 11 Fed Com         | <b>MD Reference:</b>                | KB = 25' @ 3543.0usft (H&P 389) |
| <b>Well:</b>     | #707H                       | <b>North Reference:</b>             | Grid                            |
| <b>Wellbore:</b> | OH                          | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Design:</b>   | OH                          | <b>Database:</b>                    | PEDM                            |

| Design Annotations    |                       |                   |              |                                       |  |
|-----------------------|-----------------------|-------------------|--------------|---------------------------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              |                                       |  |
|                       |                       | +N/-S (usft)      | +E/-W (usft) | Comment                               |  |
| 11,929.0              | 11,866.9              | 677.1             | -323.4       | KOP (MD=11929.0')                     |  |
| 22,419.0              | 12,153.6              | -9,504.0          | -127.1       | Final MWD Survey (MD=22419.0')        |  |
| 22,473.0              | 12,147.0              | -9,557.6          | -126.8       | Final Projection to Bit (MD=22473.0') |  |

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

I CERTIFY THIS SURVEY TO BE TRUE AND CORRECT TO THE BEST OF MY BELIEF AND KNOWLEDGE  
KAY MADDUX 11/30/2022

Intent ☐ As Drilled ☐

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

## Kick Off Point (KOP)

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

## First Take Point (FTP)

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

## Last Take Point (LTP)

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

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

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

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

KZ 06/29/2018

|                                                                                                                                                                                                                                                                                                                                                                                       |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                                       |                                |                                                                        |            |               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|--------------------------|---------------------------------------------|-----------------------------------------------------------------------|--------------------------------|------------------------------------------------------------------------|------------|---------------|
| Submit To Appropriate District Office<br>Two Copies<br><u>District I</u><br>1625 N. French Dr., Hobbs, NM 88240<br><u>District II</u><br>811 S. First St., Artesia, NM 88210<br><u>District III</u><br>1000 Rio Brazos Rd., Aztec, NM 87410<br><u>District IV</u><br>1220 S. St. Francis Dr., Santa Fe, NM 87505                                                                      |                                            | <b>State of New Mexico</b><br><b>Energy, Minerals and Natural Resources</b><br><br><b>Oil Conservation Division</b><br><b>1220 South St. Francis Dr.</b><br><b>Santa Fe, NM 87505</b> |                                                               |                          | <b>Form C-105</b><br>Revised August 1, 2011 |                                                                       |                                |                                                                        |            |               |
| WELL COMPLETION OR RECOMPLETION REPORT AND LOG                                                                                                                                                                                                                                                                                                                                        |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                                       |                                |                                                                        |            |               |
| 4. Reason for filing:<br><input checked="" type="checkbox"/> <b>COMPLETION REPORT</b> (Fill in boxes #1 through #31 for State and Fee wells only)<br><br><input type="checkbox"/> <b>C-144 CLOSURE ATTACHMENT</b> (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC) |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                                       |                                | 5. Lease Name or Unit Agreement Name<br><b>RUTHLESS 11 FEDERAL COM</b> |            |               |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                                       |                                | 6. Well Number:<br><b>707H</b>                                         |            |               |
| 7. Type of Completion:<br><input checked="" type="checkbox"/> NEW WELL <input type="checkbox"/> WORKOVER <input type="checkbox"/> DEEPENING <input type="checkbox"/> PLUGBACK <input type="checkbox"/> DIFFERENT RESERVOIR <input type="checkbox"/> OTHER _____                                                                                                                       |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                                       |                                |                                                                        |            |               |
| 8. Name of Operator<br><b>EOG RESOURCES INC</b>                                                                                                                                                                                                                                                                                                                                       |                                            |                                                                                                                                                                                       |                                                               |                          |                                             | 9. OGRID<br><b>7377</b>                                               |                                |                                                                        |            |               |
| 10. Address of Operator<br><b>PO BOX 2267 MIDLAND, TEXAS 79702</b>                                                                                                                                                                                                                                                                                                                    |                                            |                                                                                                                                                                                       |                                                               |                          |                                             | 11. Pool name or Wildcat<br><b>WC025 G09 S253309P; UPPER WOLFCAMP</b> |                                |                                                                        |            |               |
| 12. Location                                                                                                                                                                                                                                                                                                                                                                          | Unit Ltr                                   | Section                                                                                                                                                                               | Township                                                      | Range                    | Lot                                         | Feet from the                                                         | N/S Line                       | Feet from the                                                          | E/W Line   | County        |
| <b>Surface:</b>                                                                                                                                                                                                                                                                                                                                                                       | A                                          | 11                                                                                                                                                                                    | 25S                                                           | 32E                      |                                             | 891                                                                   | NORTH                          | 646                                                                    | EAST       | LEA           |
| <b>BH:</b>                                                                                                                                                                                                                                                                                                                                                                            | P                                          | 14                                                                                                                                                                                    | 25S                                                           | 32E                      |                                             | 112                                                                   | SOUTH                          | 831                                                                    | EAST       | LEA           |
| 13. Date Spudded<br><b>07/17/2021</b>                                                                                                                                                                                                                                                                                                                                                 | 14. Date T.D. Reached<br><b>08/31/2022</b> |                                                                                                                                                                                       | 15. Date Rig Released<br><b>09/02/2022</b>                    |                          |                                             | 16. Date Completed (Ready to Produce)<br><b>11/19/2022</b>            |                                | 17. Elevations (DF and RKB, RT, GR, etc.) <b>3517' GL</b>              |            |               |
| 18. Total Measured Depth of Well<br><b>MD 22,473' TVD 12,147'</b>                                                                                                                                                                                                                                                                                                                     |                                            |                                                                                                                                                                                       | 19. Plug Back Measured Depth<br><b>MD 22,446' TVD 12,147'</b> |                          |                                             | 20. Was Directional Survey Made?<br><b>YES</b>                        |                                | 21. Type Electric and Other Logs Run<br><b>None</b>                    |            |               |
| 22. Producing Interval(s), of this completion - Top, Bottom, Name<br><b>WOLFCAMP 12,360 - 22,446'</b>                                                                                                                                                                                                                                                                                 |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                                       |                                |                                                                        |            |               |
| <b>23. CASING RECORD (Report all strings set in well)</b>                                                                                                                                                                                                                                                                                                                             |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                                       |                                |                                                                        |            |               |
| CASING SIZE                                                                                                                                                                                                                                                                                                                                                                           |                                            | WEIGHT LB./FT.                                                                                                                                                                        |                                                               | DEPTH SET                |                                             | HOLE SIZE                                                             |                                | CEMENTING RECORD                                                       |            | AMOUNT PULLED |
| 9 5/8"                                                                                                                                                                                                                                                                                                                                                                                |                                            | 40# J-55                                                                                                                                                                              |                                                               | 1064'                    |                                             | 12 1/4"                                                               |                                | 760 CL C/CIRC                                                          |            |               |
| 7 5/8"                                                                                                                                                                                                                                                                                                                                                                                |                                            | 29.7# ICYP 110                                                                                                                                                                        |                                                               | 11,678'                  |                                             | 8 3/4"                                                                |                                | 1447 CL C & H / CIRC                                                   |            |               |
| 5 1/2"                                                                                                                                                                                                                                                                                                                                                                                |                                            | 20# ICYP 110                                                                                                                                                                          |                                                               | 22,453'                  |                                             | 6 3/4"                                                                |                                | 1110 CL H TOC 10,602' CBL                                              |            |               |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                                       |                                |                                                                        |            |               |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                                       |                                |                                                                        |            |               |
| <b>24. LINER RECORD</b>                                                                                                                                                                                                                                                                                                                                                               |                                            |                                                                                                                                                                                       |                                                               |                          |                                             | <b>25. TUBING RECORD</b>                                              |                                |                                                                        |            |               |
| SIZE                                                                                                                                                                                                                                                                                                                                                                                  | TOP                                        | BOTTOM                                                                                                                                                                                | SACKS CEMENT                                                  | SCREEN                   |                                             | SIZE                                                                  | DEPTH SET                      |                                                                        | PACKER SET |               |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                                       |                                |                                                                        |            |               |
| 26. Perforation record (interval, size, and number)<br><br><b>12,360 - 22,446'   3 1/8", 2112 holes</b>                                                                                                                                                                                                                                                                               |                                            |                                                                                                                                                                                       |                                                               |                          |                                             | 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.                       |                                |                                                                        |            |               |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                            |                                                                                                                                                                                       |                                                               |                          |                                             | DEPTH INTERVAL                                                        |                                | AMOUNT AND KIND MATERIAL USED                                          |            |               |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                            |                                                                                                                                                                                       |                                                               |                          |                                             | 12,360 - 22,446'                                                      |                                | FRAC W/21,998,210 lbs proppant, 325,152 bbls load fld                  |            |               |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                                       |                                |                                                                        |            |               |
| <b>28. PRODUCTION</b>                                                                                                                                                                                                                                                                                                                                                                 |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                                       |                                |                                                                        |            |               |
| Date First Production<br><b>11/19/2022</b>                                                                                                                                                                                                                                                                                                                                            |                                            | Production Method ( <i>Flowing, gas lift, pumping - Size and type pump</i> )<br><b>Flowing</b>                                                                                        |                                                               |                          |                                             | Well Status ( <i>Prod. or Shut-in</i> )<br><b>Producing</b>           |                                |                                                                        |            |               |
| Date of Test<br><b>11/29/2022</b>                                                                                                                                                                                                                                                                                                                                                     | Hours Tested<br><b>24</b>                  | Choke Size<br><b>52</b>                                                                                                                                                               | Prod'n For Test Period                                        | Oil - Bbl<br><b>3055</b> | Gas - MCF<br><b>8520</b>                    | Water - Bbl.<br><b>7201</b>                                           | Gas - Oil Ratio<br><b>2788</b> |                                                                        |            |               |
| Flow Tubing Press.                                                                                                                                                                                                                                                                                                                                                                    | Casing Pressure<br><b>2977</b>             | Calculated 24-Hour Rate                                                                                                                                                               | Oil - Bbl.                                                    | Gas - MCF                | Water - Bbl.                                | Oil Gravity - API - ( <i>Corr.</i> )<br><b>46</b>                     |                                |                                                                        |            |               |
| 29. Disposition of Gas ( <i>Sold, used for fuel, vented, etc.</i> )<br><b>SOLD</b>                                                                                                                                                                                                                                                                                                    |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                                       |                                | 30. Test Witnessed By                                                  |            |               |
| 31. List Attachments<br><b>C-102, C-104, Directional Survey, H spacing</b>                                                                                                                                                                                                                                                                                                            |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                                       |                                |                                                                        |            |               |
| 32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.                                                                                                                                                                                                                                                                                    |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                                       |                                |                                                                        |            |               |
| 33. If an on-site burial was used at the well, report the exact location of the on-site burial:                                                                                                                                                                                                                                                                                       |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                                       |                                |                                                                        |            |               |
| Latitude _____ Longitude _____ NAD 1927 1983                                                                                                                                                                                                                                                                                                                                          |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                                       |                                |                                                                        |            |               |
| I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief<br>Printed<br>Signature <b>Kay Maddox</b> Name <b>Kay Maddox</b> Title <b>Senior Regulatory Specialist</b> Date <b>12/01/2022</b><br>E-mail Address <b>kay_maddox@eogresources.com</b>                                                             |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                                       |                                |                                                                        |            |               |

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

| Southeastern New Mexico |         |       | Northwestern New Mexico |         |       |                    |                  |
|-------------------------|---------|-------|-------------------------|---------|-------|--------------------|------------------|
| T. Anhy                 | Rustler | 939'  | T. Canyon               | Brushy  | 7232' | T. Ojo Alamo       | T. Penn A "      |
| T. Salt                 |         | 1337' | T. Strawn               |         |       | T. Kirtland        | T. Penn. "B"     |
| B. Salt                 |         | 4657' | T. Atoka                |         |       | T. Fruitland       | T. Penn. "C"     |
| T. Yates                |         |       | T. Miss                 |         |       | T. Pictured Cliffs | T. Penn. "D"     |
| T. 7 Rivers             |         |       | T. Devonian             |         |       | T. Cliff House     | T. Leadville     |
| T. Queen                |         |       | T. Silurian             |         |       | T. Menefee         | T. Madison       |
| T. Grayburg             |         |       | T. Montoya              |         |       | T. Point Lookout   | T. Elbert        |
| T. San Andres           |         |       | T. Simpson              |         |       | T. Mancos          | T. McCracken     |
| T. Glorieta             |         |       | T. McKee                |         |       | T. Gallup          | T. Ignacio Otzte |
| T. Paddock              |         |       | T. Ellenburger          |         |       | Base Greenhorn     | T. Granite       |
| T. Blinebry             |         |       | T. Gr. Wash             |         |       | T. Dakota          |                  |
| T. Tubb                 |         |       | T. Delaware Sand        |         |       | T. Morrison        |                  |
| T. Drinkard             |         |       | T. Bone Springs         |         |       | T. Todilto         |                  |
| T. Abo                  |         |       | T. 1st BS Sand          | 9925'   |       | T. Entrada         |                  |
| T. Wolfcamp             | 12,202' |       | T. 2nd BS Sand          | 10,517' |       | T. Wingate         |                  |
| T. Penn                 |         |       | T. 3rd BS Sand          | 11,750' |       | T. Chinle          |                  |
| T. Cisco (Bough C)      |         |       | T.                      |         |       | T. Permian         |                  |

No. 1, from.....to.....

No. 2, from.....to.....

No. 3, from.....to.....

No. 4, from.....to.....

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

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

| From | To | Thickness<br>In Feet | Lithology |
|------|----|----------------------|-----------|
|      |    |                      |           |

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

General Information  
Phone: (505) 629-6116

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

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

ACKNOWLEDGMENTS

Action 166485

**ACKNOWLEDGMENTS**

|                                                                             |                                                    |
|-----------------------------------------------------------------------------|----------------------------------------------------|
| Operator:<br>EOG RESOURCES INC<br>5509 Champions Drive<br>Midland, TX 79706 | OGRID:<br>7377                                     |
|                                                                             | Action Number:<br>166485                           |
|                                                                             | Action Type:<br>[C-104] Completion Packet (C-104C) |

**ACKNOWLEDGMENTS**

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

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

General Information  
Phone: (505) 629-6116

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

CONDITIONS

Action 166485

CONDITIONS

|                                                                             |                                                    |
|-----------------------------------------------------------------------------|----------------------------------------------------|
| Operator:<br>EOG RESOURCES INC<br>5509 Champions Drive<br>Midland, TX 79706 | OGRID:<br>7377                                     |
|                                                                             | Action Number:<br>166485                           |
|                                                                             | Action Type:<br>[C-104] Completion Packet (C-104C) |

CONDITIONS

| Created By | Condition                                                     | Condition Date |
|------------|---------------------------------------------------------------|----------------|
| plmartinez | File 3160-4 Completion Report within 10 days of BLM approval. | 8/21/2025      |