

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLSWAY AND 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>08/07/2022 |                                  |
| <sup>4</sup> API Number<br>30 - 025-49876                                                          | <sup>5</sup> Pool Name<br>RED HILLS; BONE SPRING, EAST |                                                                   | <sup>6</sup> Pool Code<br>97369  |
| <sup>7</sup> Property Code<br>325650                                                               | <sup>8</sup> Property Name<br>PEREGRINE 27 FEDERAL COM |                                                                   | <sup>9</sup> Well Number<br>403H |

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

|                    |               |                 |              |         |                       |                           |                       |                        |               |
|--------------------|---------------|-----------------|--------------|---------|-----------------------|---------------------------|-----------------------|------------------------|---------------|
| Ul or lot no.<br>K | Section<br>27 | Township<br>24S | Range<br>34E | Lot Idn | Feet from the<br>1820 | North/South Line<br>SOUTH | Feet from the<br>2127 | East/West line<br>WEST | County<br>LEA |
|--------------------|---------------|-----------------|--------------|---------|-----------------------|---------------------------|-----------------------|------------------------|---------------|

<sup>11</sup> Bottom Hole Location

|                        |                                                |                                   |                                   |         |                                    |                           |                                     |                        |               |
|------------------------|------------------------------------------------|-----------------------------------|-----------------------------------|---------|------------------------------------|---------------------------|-------------------------------------|------------------------|---------------|
| UL or lot no.<br>F     | Section<br>3                                   | Township<br>25S                   | Range<br>34E                      | Lot Idn | Feet from the<br>2518              | North/South line<br>NORTH | Feet from the<br>1920               | East/West line<br>WEST | 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>03/26/2022 | <sup>22</sup> Ready Date<br>08/07/2022 | <sup>23</sup> TD<br>20,871'        | <sup>24</sup> PBTD<br>20,847' | <sup>25</sup> Perforations<br>10,732 - 20,847' | <sup>26</sup> DHC, MC |
| <sup>27</sup> Hole Size               |                                        | <sup>28</sup> Casing & Tubing Size |                               | <sup>29</sup> Depth Set                        |                       |
| 16                                    |                                        | 13 3/8"                            |                               | 1202'                                          |                       |
| 12 1/4"                               |                                        | 9 5/8"                             |                               | 5374'                                          |                       |
| 8 3/4"                                |                                        | 5 1/2"                             |                               | 20,853'                                        |                       |
|                                       |                                        |                                    |                               | 3680 SXS CL H TOC 1890' CBL                    |                       |
|                                       |                                        |                                    |                               |                                                |                       |

V. Well Test Data

|                                                                                                                                                                                                                                      |                                               |                                       |                                                                                   |                             |                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------------------------------|
| <sup>31</sup> Date New Oil<br>08/07/2022                                                                                                                                                                                             | <sup>32</sup> Gas Delivery Date<br>08/07/2022 | <sup>33</sup> Test Date<br>08/15/2022 | <sup>34</sup> Test Length<br>24 HRS                                               | <sup>35</sup> Tbg. Pressure | <sup>36</sup> Csg. Pressure<br>761 |
| <sup>37</sup> Choke Size<br>90                                                                                                                                                                                                       | <sup>38</sup> Oil<br>2989                     | <sup>39</sup> Water<br>5327           | <sup>40</sup> Gas<br>4640                                                         |                             | <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:<br>Kay Maddox |                                               |                                       | OIL CONSERVATION DIVISION<br><br>Approved by:<br><br>Title:<br><br>Approval Date: |                             |                                    |
| Printed name:<br>Kay Maddox                                                                                                                                                                                                          |                                               |                                       |                                                                                   |                             |                                    |
| Title:<br>SENIOR REGULATORY SPECIALIST                                                                                                                                                                                               |                                               |                                       |                                                                                   |                             |                                    |
| E-mail Address:<br>kay_maddox@eogresources.com                                                                                                                                                                                       |                                               |                                       |                                                                                   |                             |                                    |
| Date:<br>08/17/2022                                                                                                                                                                                                                  |                                               | Phone:<br>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) 476-3460 Fax: (505) 476-3462

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

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                                |                                                           |                                                               |
|------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------|
| <sup>1</sup> API Number<br><b>30-025-49876</b> | <sup>2</sup> Pool Code<br><b>97369</b>                    | <sup>3</sup> Pool Name<br><b>RED HILLS; BONE SPRING, EAST</b> |
| <sup>4</sup> Property Code<br><b>325650</b>    | <sup>5</sup> Property Name<br><b>PEREGRINE 27 FED COM</b> | <sup>6</sup> Well Number<br><b>403H</b>                       |
| <sup>7</sup> OGRID No.<br><b>7377</b>          | <sup>8</sup> Operator Name<br><b>EOG RESOURCES, INC.</b>  | <sup>9</sup> Elevation<br><b>3454'</b>                        |

<sup>10</sup>Surface Location

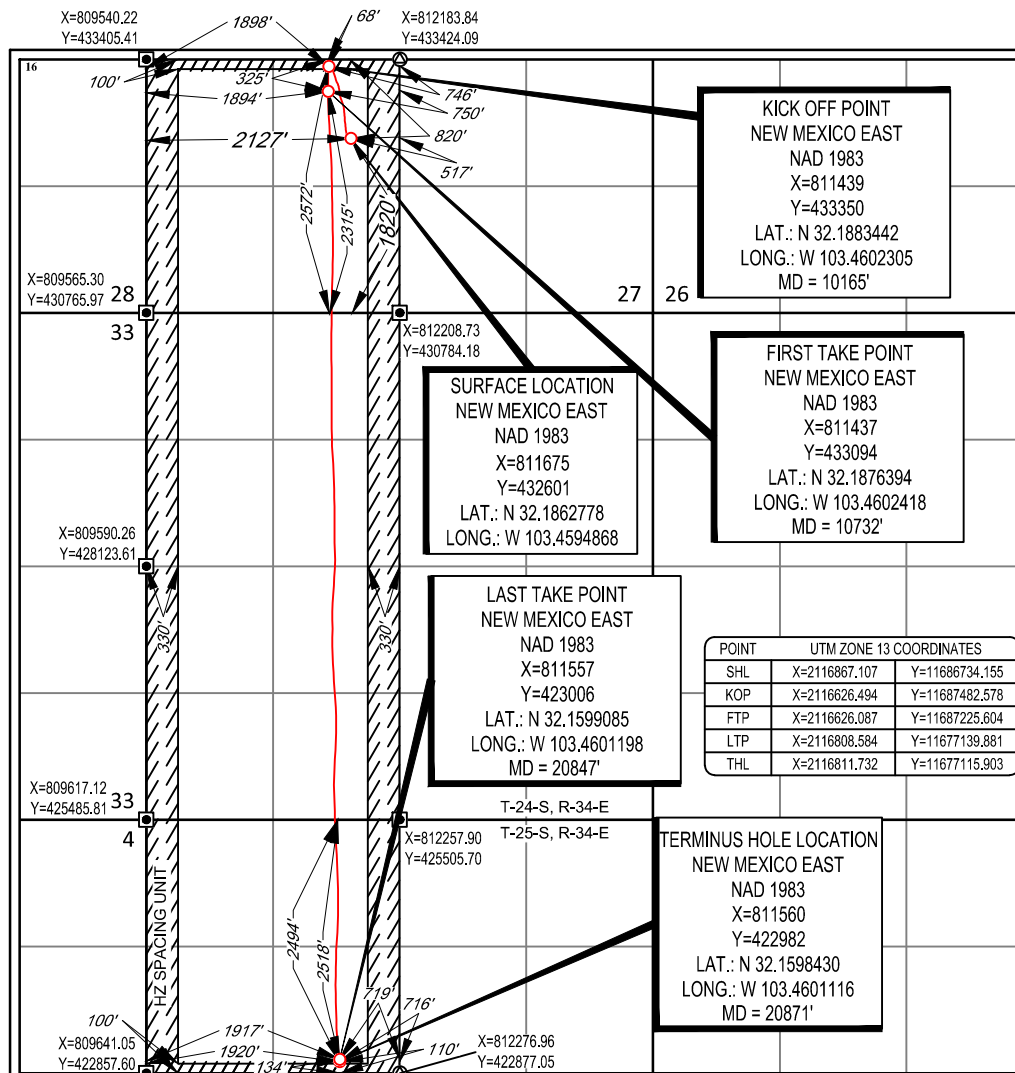
| UL or lot no. | Section   | Township    | Range       | Lot Idn  | Feet from the | North/South line | Feet from the | East/West line | County     |
|---------------|-----------|-------------|-------------|----------|---------------|------------------|---------------|----------------|------------|
| <b>K</b>      | <b>27</b> | <b>24-S</b> | <b>34-E</b> | <b>-</b> | <b>1820'</b>  | <b>SOUTH</b>     | <b>2127'</b>  | <b>WEST</b>    | <b>LEA</b> |

<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     |
|---------------|----------|-------------|-------------|----------|---------------|------------------|---------------|----------------|------------|
| <b>F</b>      | <b>3</b> | <b>25-S</b> | <b>34-E</b> | <b>-</b> | <b>2518'</b>  | <b>NORTH</b>     | <b>1920'</b>  | <b>WEST</b>    | <b>LEA</b> |

|                                                |                               |                                  |                         |
|------------------------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres<br><b>639.36</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.

<sup>17</sup>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* 08/08/2022  
Signature Date

**KAY MADDOX**  
Printed Name

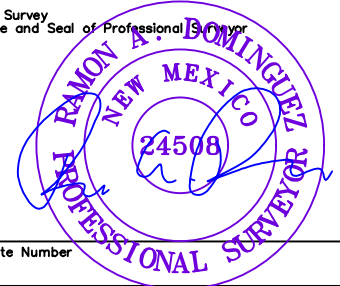
**KAY\_MADDOX@EOGRESOURCES.COM**  
E-mail Address

<sup>18</sup>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.

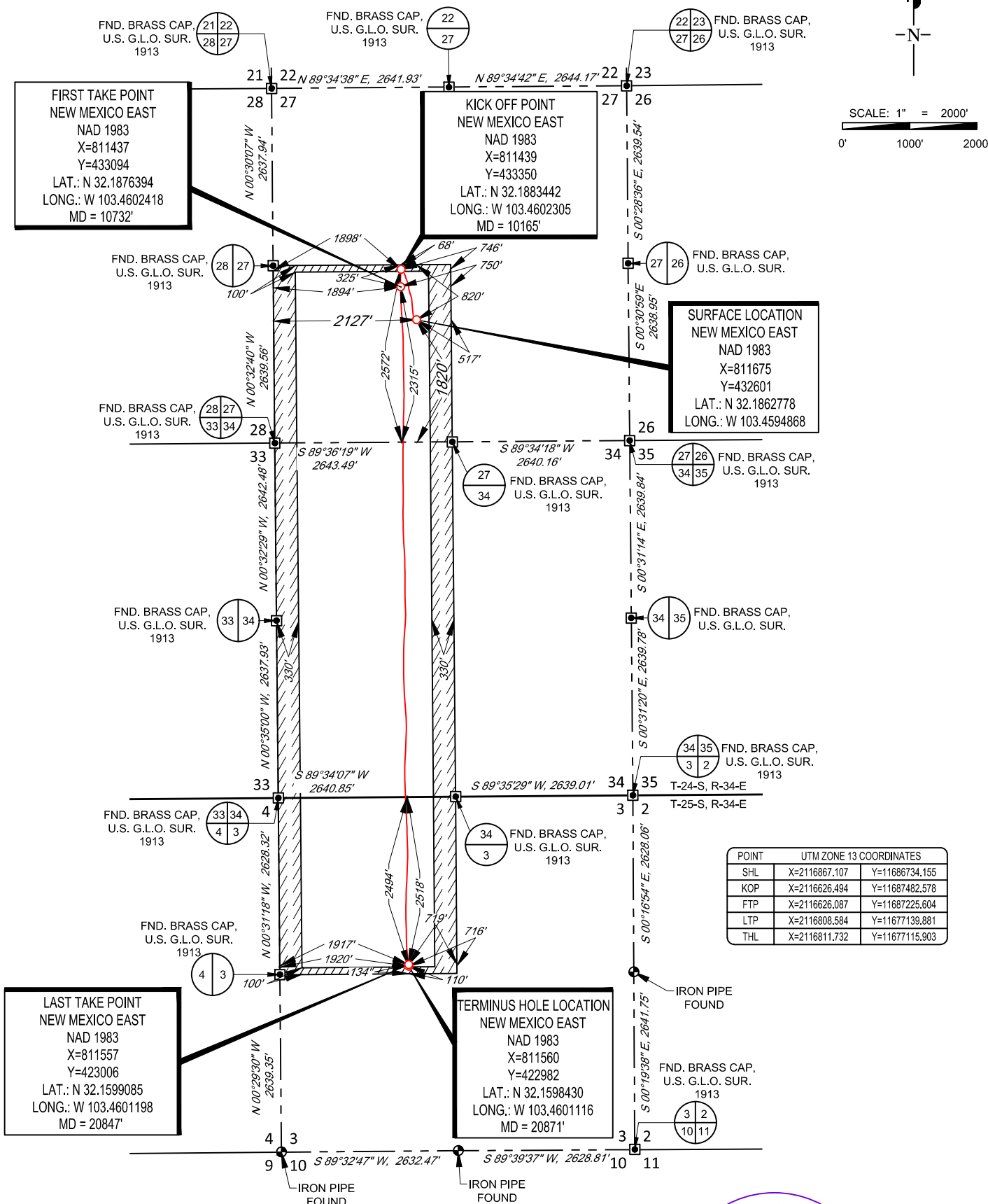
03/23/2022

Date of Survey  
Signature and Seal of Professional Surveyor



Certificate Number

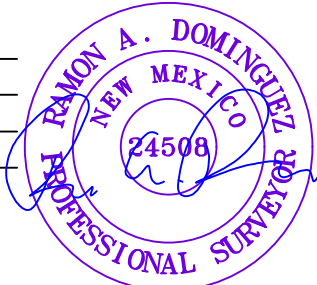
SECTION 27, TOWNSHIP 24-S, RANGE 34-E, N.M.P.M.  
LEA COUNTY, NEW MEXICO



LEASE NAME & WELL NO.: PEREGRINE 27 FED COM 403H  
SECTION 27 TWP 24-S RGE 34-E SURVEY N.M.P.M.  
COUNTY LEA STATE NM ELEVATION 3454'  
DESCRIPTION 1820' FSL & 2127' FWL



1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140  
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554  
TEXAS FIRM REGISTRATION NO. 10042504  
WWW.TOPOGRAPHIC.COM



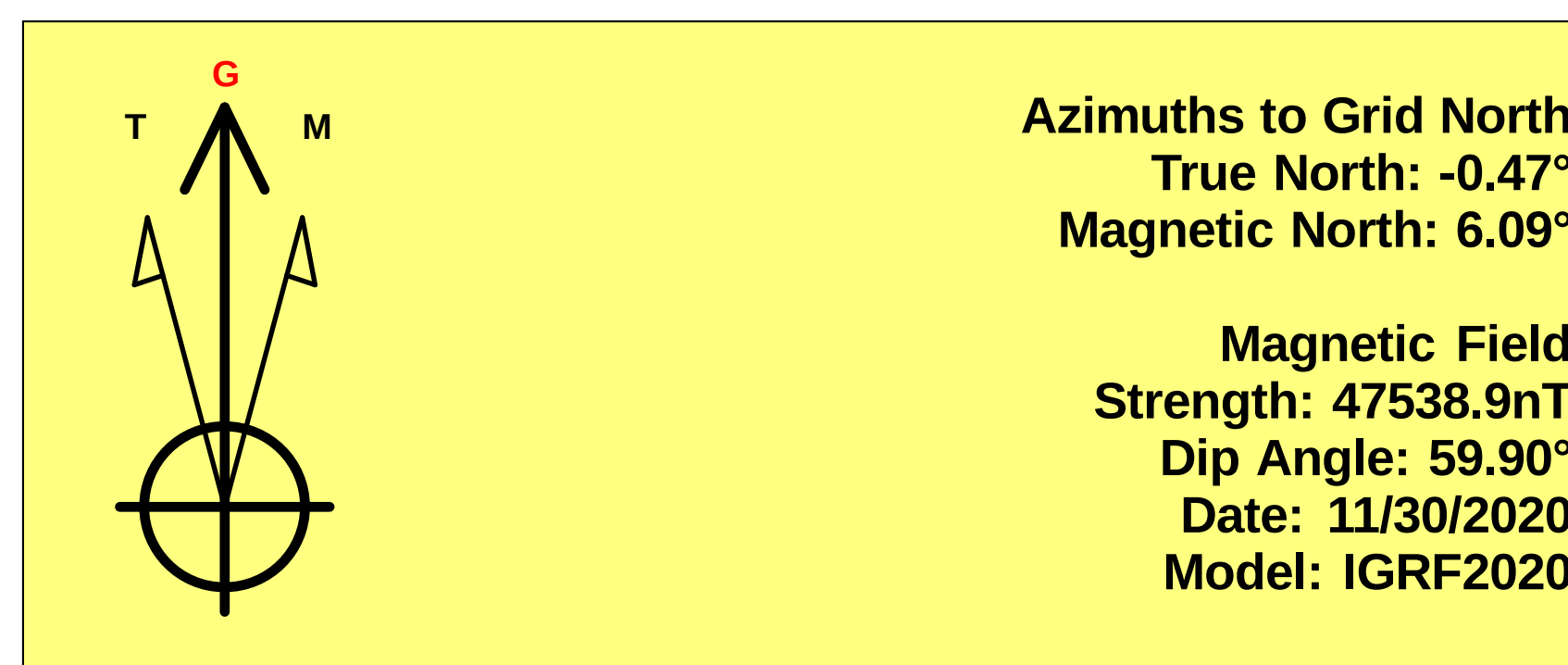
Ramon A. Dominguez, P.S. No. 24508  
August 4, 2022



|                                         |
|-----------------------------------------|
| PEREGRINE 27 FED COM 403H<br>AS-DRILLED |
| DATE: 08/04/22                          |
| FILE:AD_PEREGRINE_27_FC_403H            |
| DRAWN BY: SAR                           |
| SHEET: 2 OF 2                           |

|           |  |
|-----------|--|
| REVISION: |  |
|           |  |
|           |  |
|           |  |
|           |  |

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



To convert a Magnetic Direction to a Grid Direction, Add 6.09°  
To convert a Magnetic Direction to a True Direction, Add 6.55° East  
To convert a True Direction to a Grid Direction, Subtract 0.47°

Lea County, NM (NAD 83 NME)

Peregrine 27 Fed Com #403H

H&P 389

OH

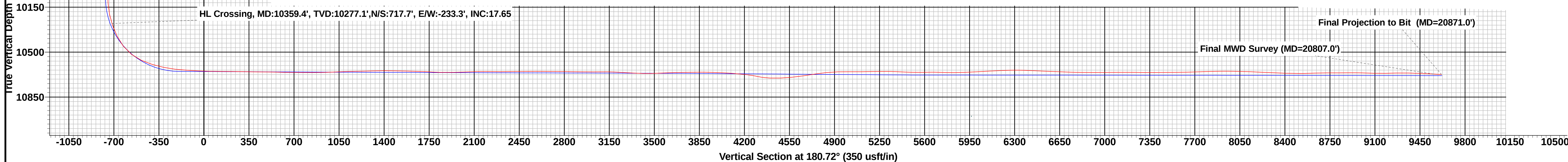
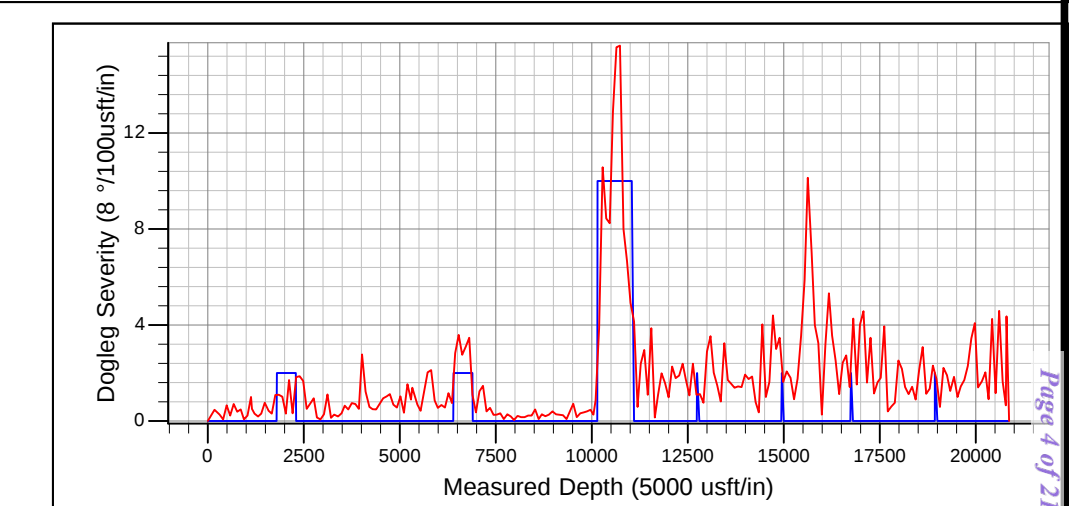
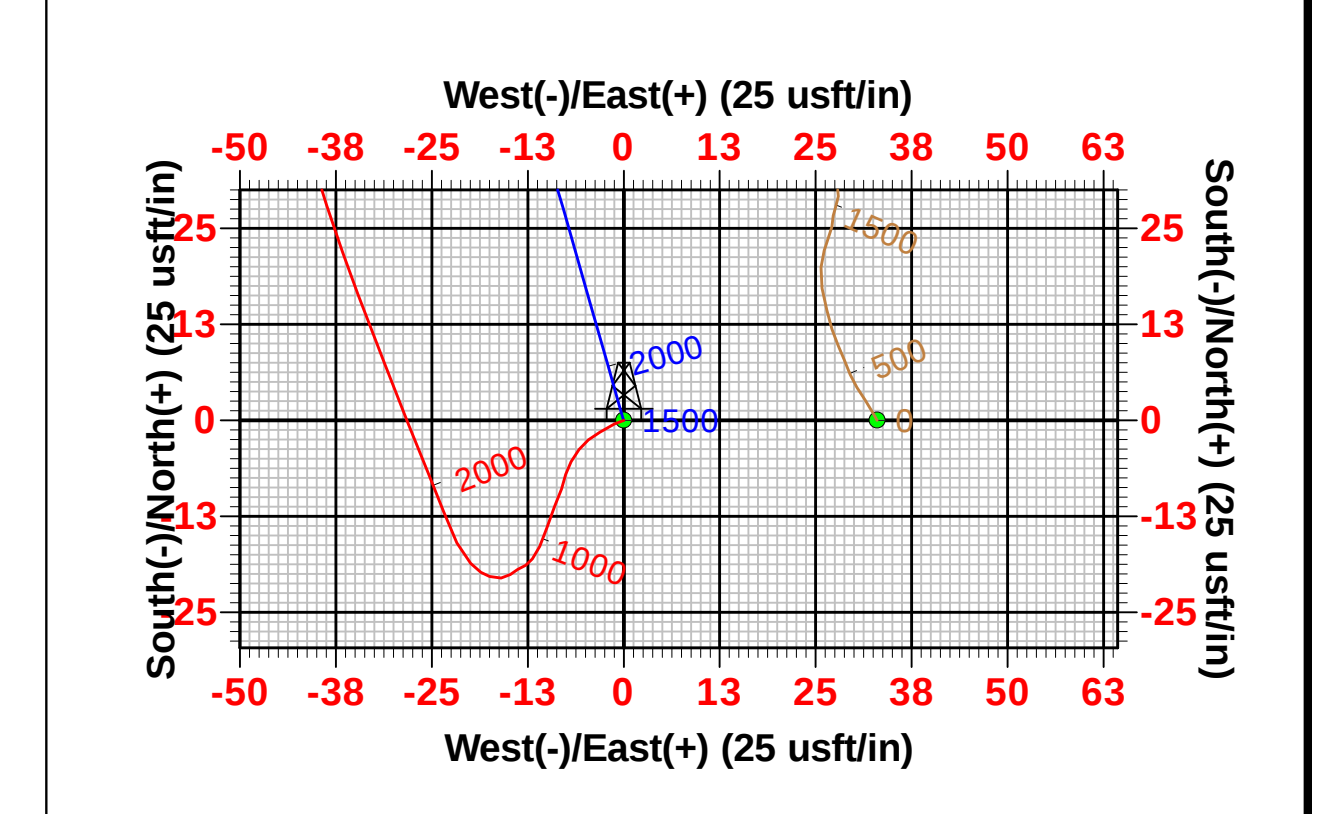
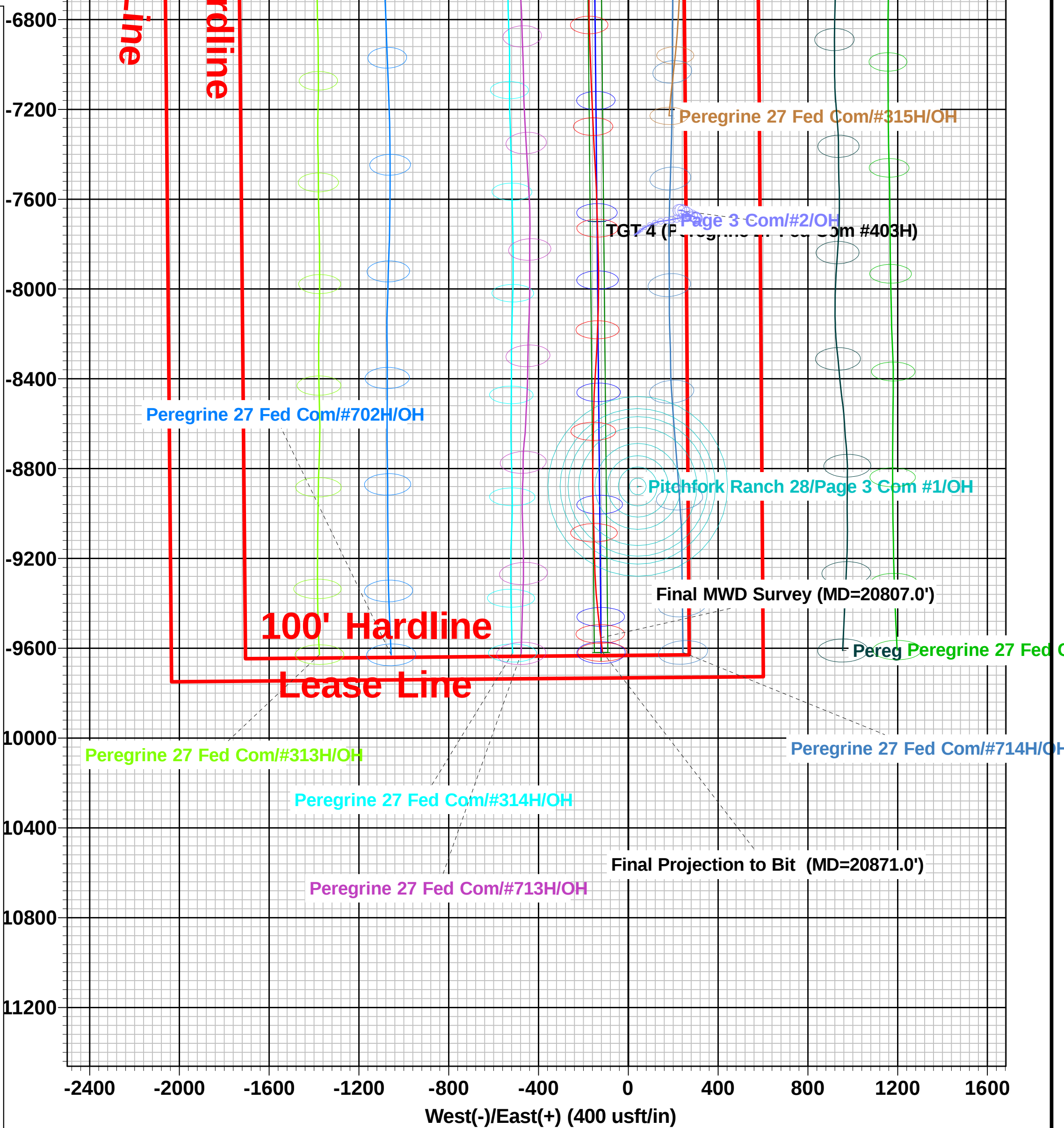
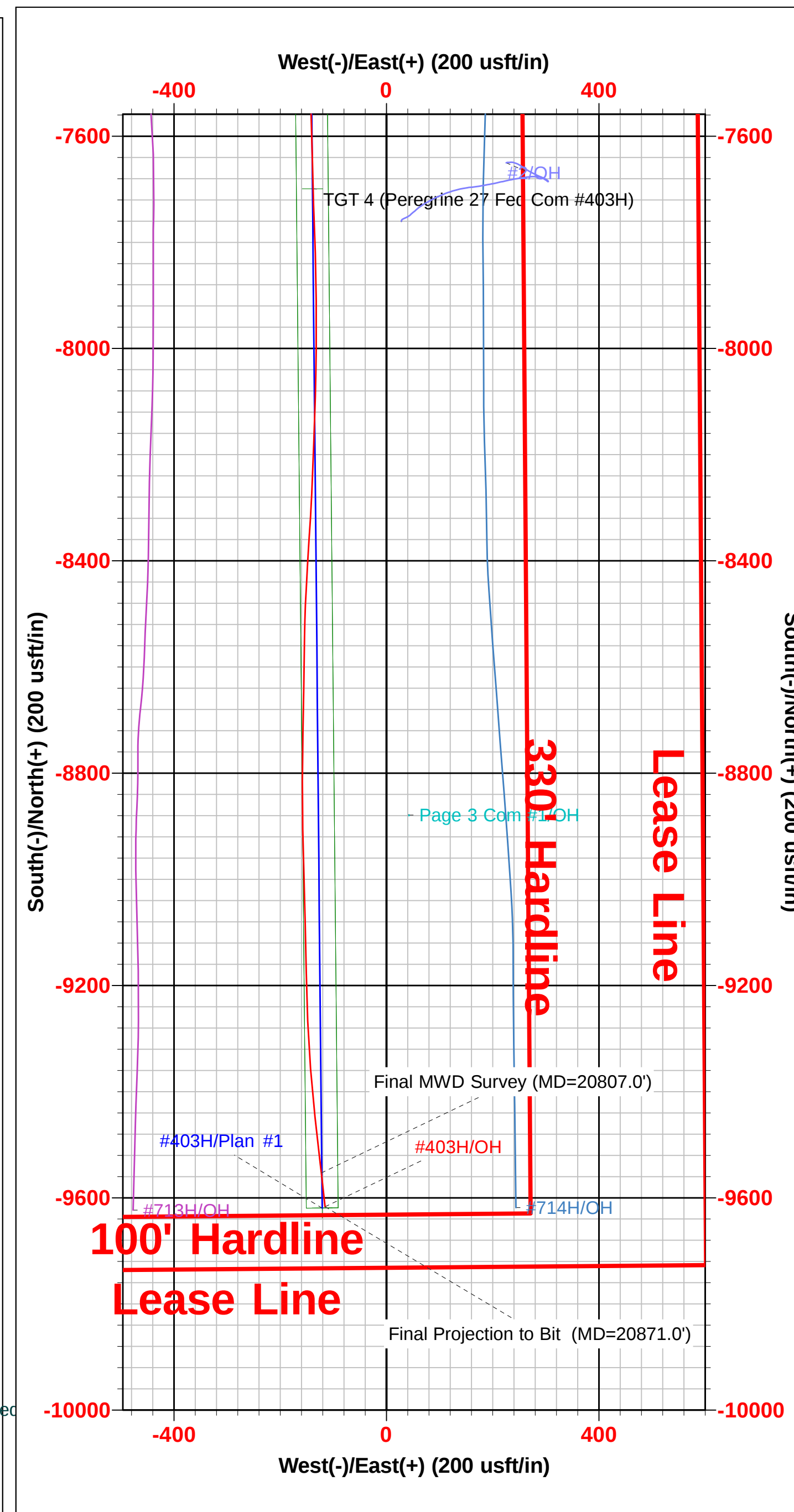
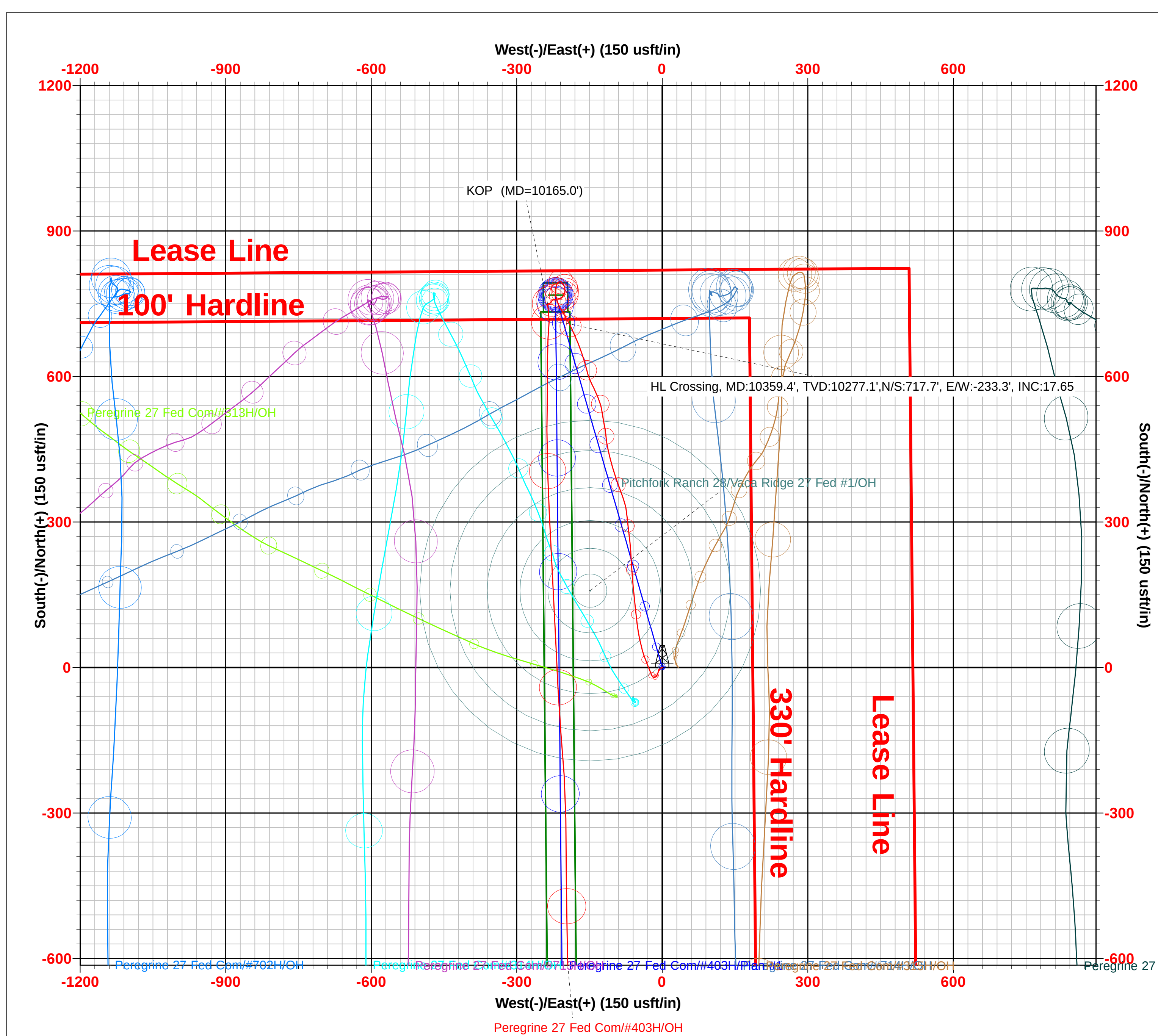
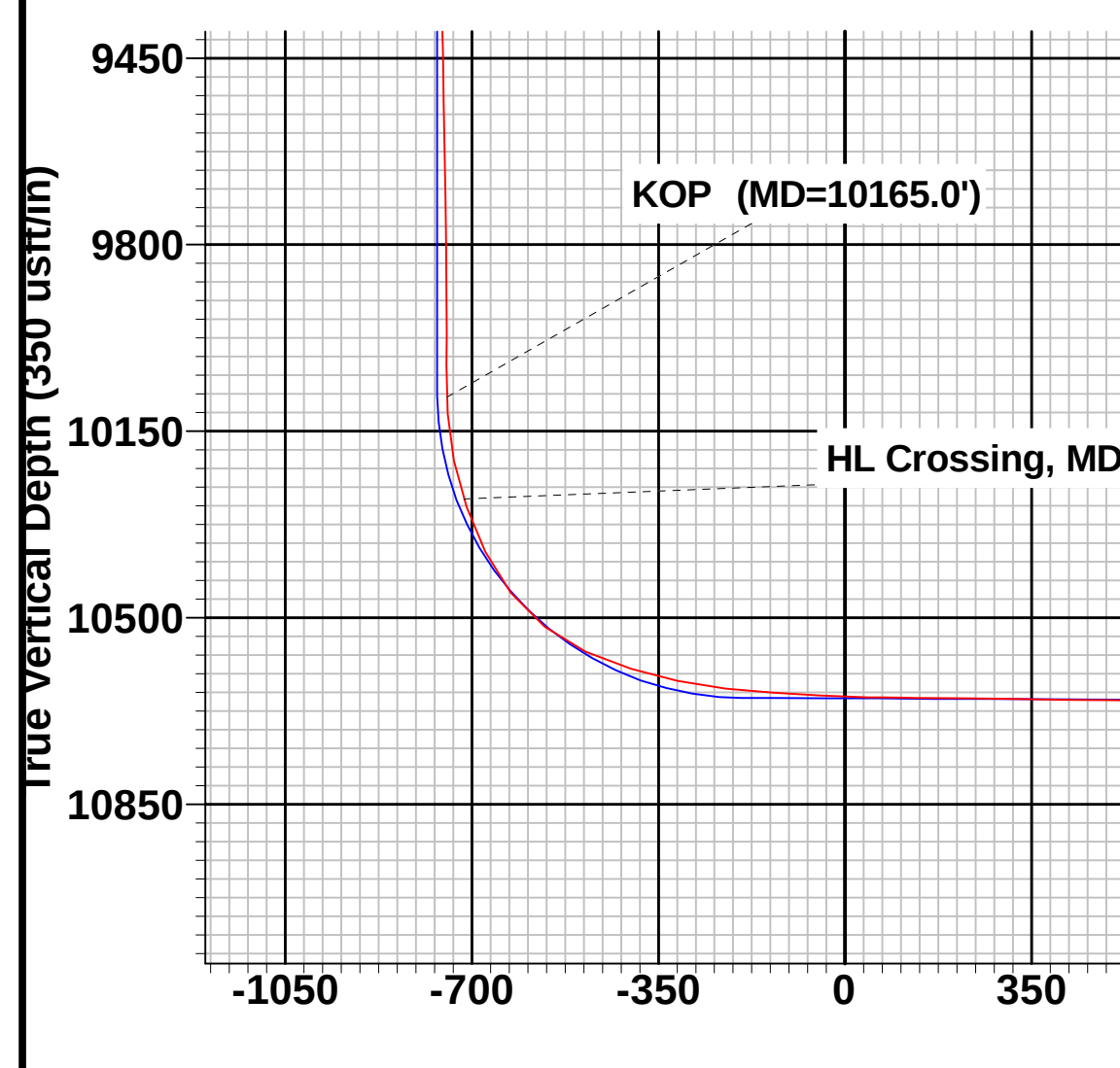
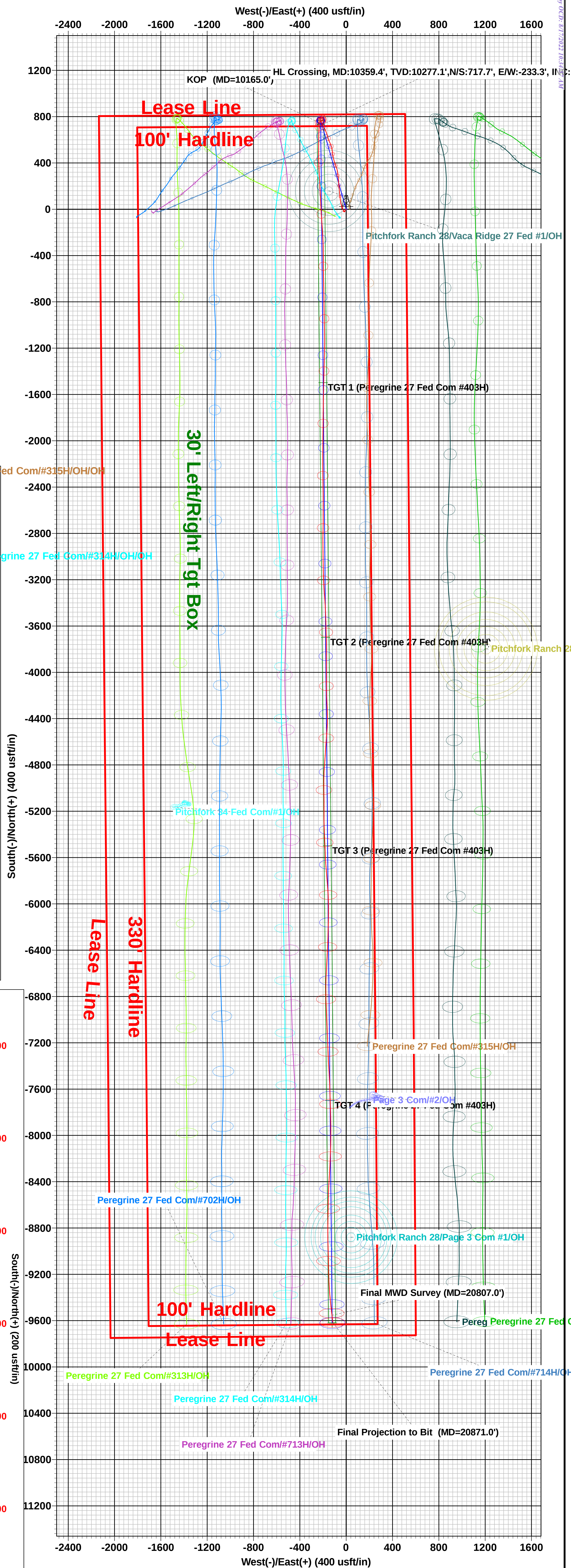
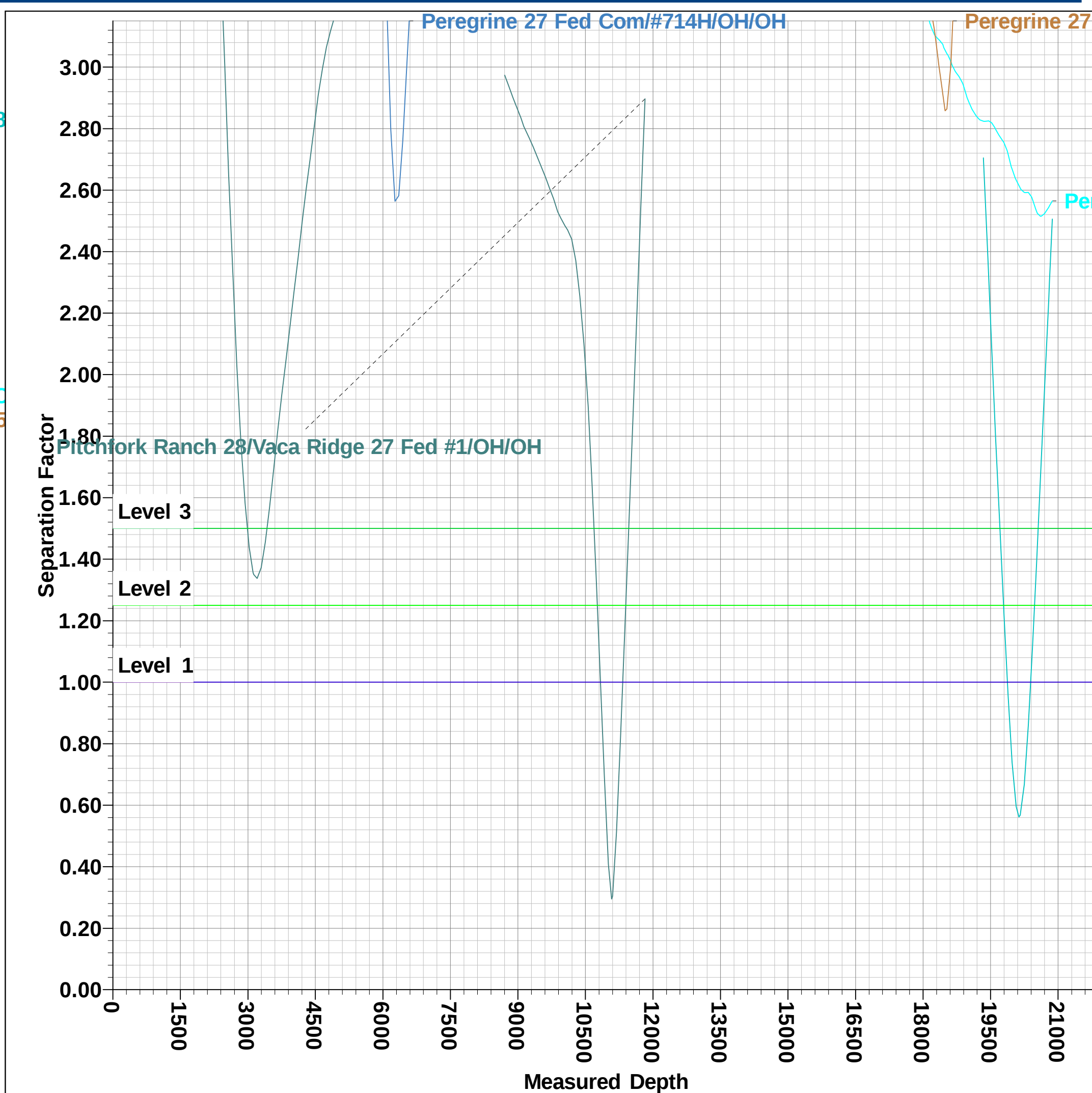
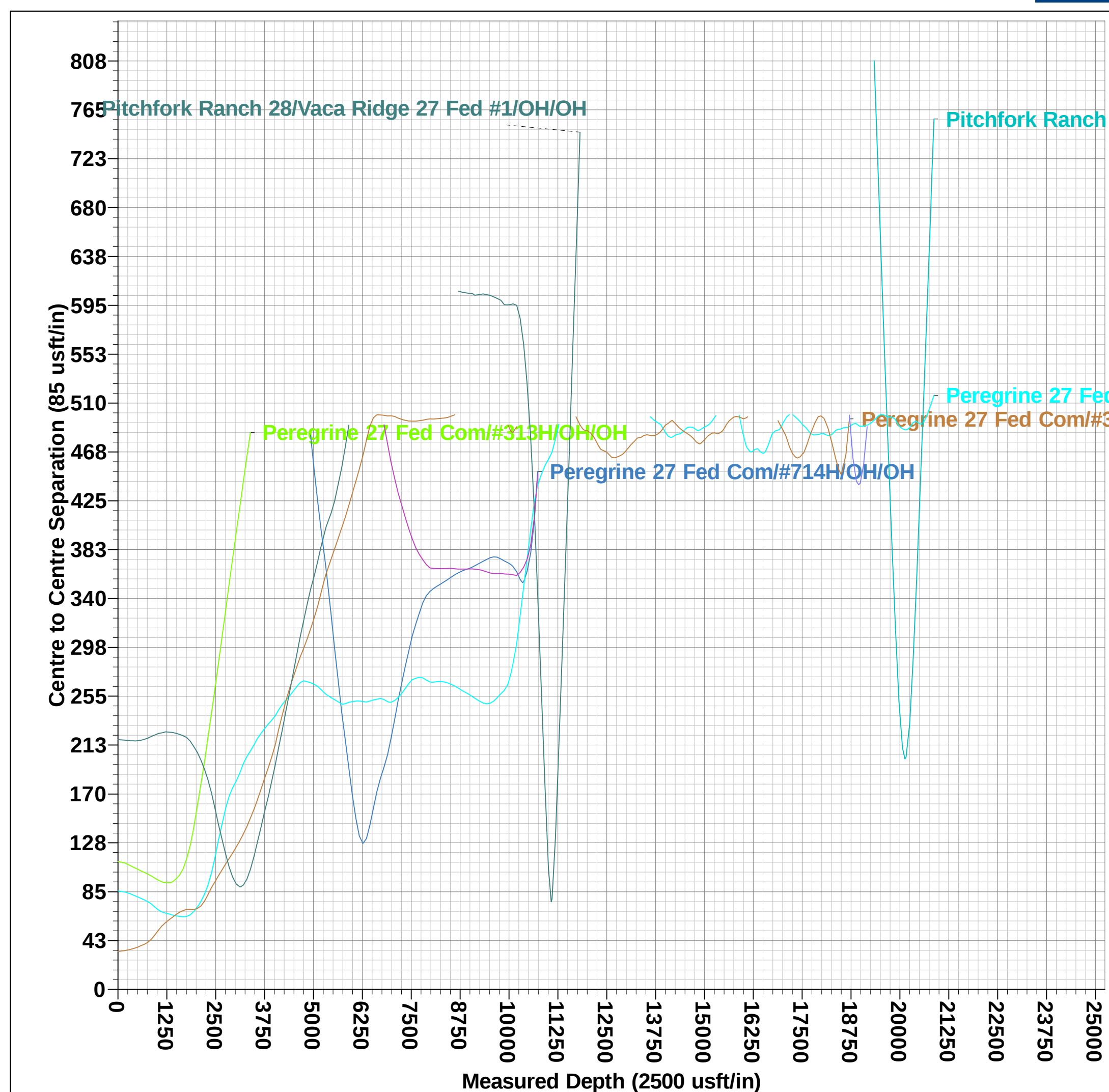
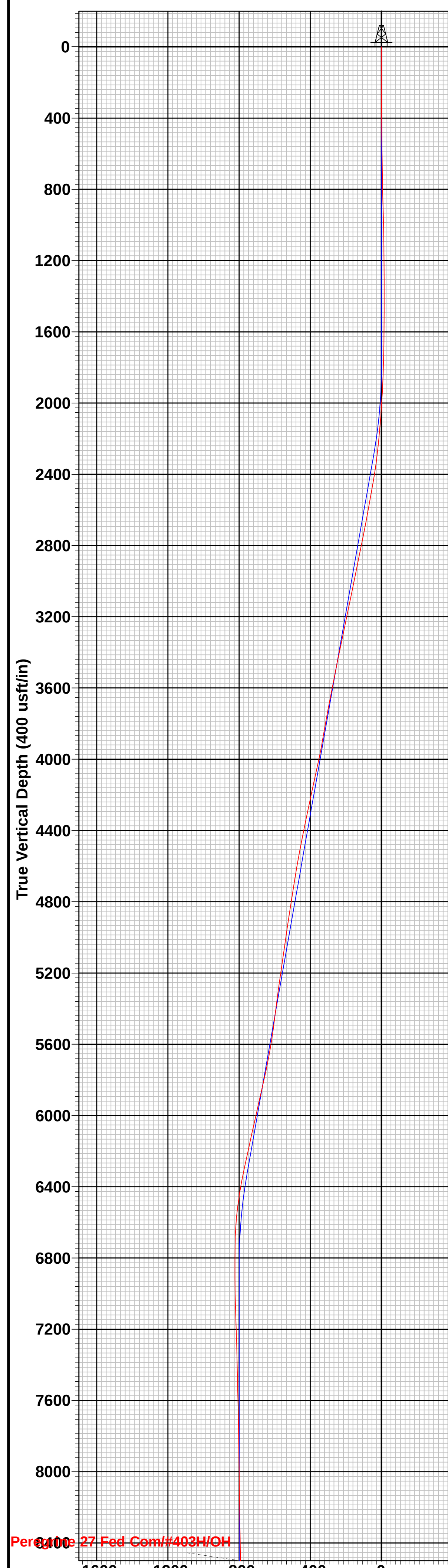
PROJECT DETAILS: Lea County, NM (NAD 83 NME)

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: #403H

kb = 25' @ 3479.0usft (H&P 389) 3454.0

| Northings | Easting   | Latitude         | Longitude         |
|-----------|-----------|------------------|-------------------|
| 432601.00 | 811675.00 | 32° 11' 10.604 N | 103° 27' 34.152 W |





## Midland

Lea County, NM (NAD 83 NME)

Peregrine 27 Fed Com

#403H

OH

Design: OH

## Final PVA

26 May, 2022



## Final PVA

|                  |                             |                                     |                                 |
|------------------|-----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>  | Midland                     | <b>Local Co-ordinate Reference:</b> | Well #403H                      |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>TVD Reference:</b>               | kb = 25' @ 3479.0usft (H&P 389) |
| <b>Site:</b>     | Peregrine 27 Fed Com        | <b>MD Reference:</b>                | kb = 25' @ 3479.0usft (H&P 389) |
| <b>Well:</b>     | #403H                       | <b>North Reference:</b>             | Grid                            |
| <b>Wellbore:</b> | OH                          | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Design:</b>   | OH                          | <b>Database:</b>                    | PEDM                            |

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

|                       |     |                      |      |              |      |            |                   |                   |      |   |
|-----------------------|-----|----------------------|------|--------------|------|------------|-------------------|-------------------|------|---|
| Site                  |     | Peregrine 27 Fed Com |      |              |      |            |                   |                   |      |   |
| Site Position:        |     | Northing:            |      | 431,580.00   | usft | Latitude:  | 32° 11' 0.630 N   |                   |      |   |
| From:                 | Map | Easting:             |      | 810,070.00   | usft | Longitude: | 103° 27' 52.923 W |                   |      |   |
| Position Uncertainty: |     | 0.0                  | usft | Slot Radius: |      | 13-3/16    | "                 | Grid Convergence: | 0.46 | ° |

| Well                 |       | #403H    |                     |                 |               |                   |
|----------------------|-------|----------|---------------------|-----------------|---------------|-------------------|
| Well Position        | +N/-S | 0.0 usft | Northing:           | 432,601.00 usft | Latitude:     | 32° 11' 10.604 N  |
|                      | +E/-W | 0.0 usft | Easting:            | 811,675.00 usft | Longitude:    | 103° 27' 34.152 W |
| Position Uncertainty |       | 0.0 usft | Wellhead Elevation: | usft            | Ground Level: | 3,454.0 usft      |

|           |            |             |                    |                  |                        |
|-----------|------------|-------------|--------------------|------------------|------------------------|
| Wellbore  | OH         |             |                    |                  |                        |
|           |            |             |                    |                  |                        |
| Magnetics | Model Name | Sample Date | Declination<br>(°) | Dip Angle<br>(°) | Field Strength<br>(nT) |
|           | IGRF2020   | 11/30/2020  | 6.55               | 59.90            | 47,538.94294909        |

|                   |  |                            |        |                 |        |                 |  |                  |
|-------------------|--|----------------------------|--------|-----------------|--------|-----------------|--|------------------|
| Design            |  | OH                         |        |                 |        |                 |  |                  |
| Audit Notes:      |  |                            |        |                 |        |                 |  |                  |
| Version:          |  | 1.0                        | Phase: |                 | ACTUAL | Tie On Depth:   |  | 0.0              |
| Vertical Section: |  | Depth From (TVD)<br>(usft) |        | +N/-S<br>(usft) |        | +E/-W<br>(usft) |  | Direction<br>(°) |
|                   |  | 0.0                        |        | 0.0             |        | 0.0             |  | 180.72           |

| Survey Program |           | Date                   | 5/26/2022    |             |  |
|----------------|-----------|------------------------|--------------|-------------|--|
| From (usft)    | To (usft) | Survey (Wellbore)      | Tool Name    | Description |  |
| 176.0          | 20,871.0  | Scientific MWD #1 (OH) | EOG MWD+IFR1 | MWD + IFR1  |  |



## Final PVA

|                  |                             |                                     |                                 |
|------------------|-----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>  | Midland                     | <b>Local Co-ordinate Reference:</b> | Well #403H                      |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>TVD Reference:</b>               | kb = 25' @ 3479.0usft (H&P 389) |
| <b>Site:</b>     | Peregrine 27 Fed Com        | <b>MD Reference:</b>                | kb = 25' @ 3479.0usft (H&P 389) |
| <b>Well:</b>     | #403H                       | <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                     |  |
| 176.0        | 0.81       | 248.04               | 176.0         | -0.5          | -1.2          | 0.46                | 0.46                 | 0.00                | -1.2                   | 0.0                     |  |
| 311.0        | 1.11       | 235.77               | 311.0         | -1.6          | -3.1          | 0.27                | 0.22                 | -9.09               | -3.5                   | -0.5                    |  |
| 402.0        | 1.14       | 238.51               | 402.0         | -2.5          | -4.6          | 0.07                | 0.03                 | 3.01                | -5.3                   | -0.3                    |  |
| 492.0        | 1.15       | 208.48               | 491.9         | -3.8          | -5.8          | 0.66                | 0.01                 | -33.37              | -6.1                   | -3.3                    |  |
| 583.0        | 1.22       | 218.15               | 582.9         | -5.4          | -6.8          | 0.23                | 0.08                 | 10.63               | -8.4                   | -2.1                    |  |
| 673.0        | 1.19       | 187.40               | 672.9         | -7.0          | -7.6          | 0.71                | -0.03                | -34.17              | -7.9                   | -6.6                    |  |
| 764.0        | 1.34       | 202.30               | 763.9         | -9.0          | -8.1          | 0.40                | 0.16                 | 16.37               | -11.4                  | -4.1                    |  |
| 855.0        | 1.78       | 201.38               | 854.8         | -11.3         | -9.0          | 0.48                | 0.48                 | -1.01               | -13.8                  | -4.3                    |  |
| 946.0        | 1.79       | 199.57               | 945.8         | -13.9         | -10.0         | 0.06                | 0.01                 | -1.99               | -16.5                  | -4.8                    |  |
| 1,036.0      | 1.60       | 201.74               | 1,035.8       | -16.4         | -10.9         | 0.22                | -0.21                | 2.41                | -19.3                  | -4.1                    |  |
| 1,127.0      | 0.85       | 226.96               | 1,126.7       | -18.0         | -11.9         | 1.00                | -0.82                | 27.71               | -21.0                  | 5.1                     |  |
| 1,149.0      | 0.78       | 220.80               | 1,148.7       | -18.3         | -12.1         | 0.51                | -0.32                | -28.00              | -21.7                  | 2.8                     |  |
| 1,217.0      | 0.70       | 235.44               | 1,216.7       | -18.9         | -12.8         | 0.30                | -0.12                | 21.53               | -21.2                  | 8.3                     |  |
| 1,307.0      | 0.81       | 244.85               | 1,306.7       | -19.4         | -13.8         | 0.18                | 0.12                 | 10.46               | -20.7                  | 11.7                    |  |
| 1,397.0      | 0.71       | 225.07               | 1,396.7       | -20.1         | -14.8         | 0.31                | -0.11                | -21.98              | -24.6                  | 3.8                     |  |
| 1,487.0      | 1.03       | 267.16               | 1,486.7       | -20.5         | -16.0         | 0.77                | 0.36                 | 46.77               | -17.0                  | 19.7                    |  |
| 1,578.0      | 0.90       | 289.58               | 1,577.7       | -20.3         | -17.5         | 0.44                | -0.14                | 24.64               | -9.6                   | 25.0                    |  |
| 1,668.0      | 0.69       | 302.03               | 1,667.7       | -19.8         | -18.6         | 0.30                | -0.23                | 13.83               | -5.2                   | 26.6                    |  |
| 1,758.0      | 1.64       | 315.51               | 1,757.7       | -18.6         | -19.9         | 1.09                | 1.06                 | 14.98               | -0.7                   | 27.3                    |  |
| 1,849.0      | 2.42       | 333.29               | 1,848.6       | -16.0         | -21.7         | 1.09                | 0.86                 | 19.54               | 5.0                    | 26.7                    |  |
| 1,939.0      | 3.29       | 339.03               | 1,938.5       | -11.8         | -23.5         | 1.02                | 0.97                 | 6.38                | 6.2                    | 26.5                    |  |
| 2,029.0      | 3.56       | 338.04               | 2,028.3       | -6.8          | -25.5         | 0.31                | 0.30                 | -1.10               | 6.3                    | 27.2                    |  |
| 2,120.0      | 5.11       | 337.92               | 2,119.1       | -0.5          | -28.0         | 1.70                | 1.70                 | -0.13               | 8.1                    | 28.1                    |  |
| 2,211.0      | 5.40       | 338.80               | 2,209.7       | 7.3           | -31.1         | 0.33                | 0.32                 | 0.97                | 11.9                   | 29.1                    |  |
| 2,301.0      | 7.05       | 339.08               | 2,299.2       | 16.4          | -34.6         | 1.83                | 1.83                 | 0.31                | 16.6                   | 30.3                    |  |
| 2,391.0      | 8.69       | 342.00               | 2,388.3       | 28.0          | -38.7         | 1.88                | 1.82                 | 3.24                | 21.5                   | 30.2                    |  |



## Final PVA

**Company:** Midland  
**Project:** Lea County, NM (NAD 83 NME)  
**Site:** Peregrine 27 Fed Com  
**Well:** #403H  
**Wellbore:** OH  
**Design:** OH

**Local Co-ordinate Reference:** Well #403H  
**TVD Reference:** kb = 25' @ 3479.0usft (H&P 389)  
**MD Reference:** kb = 25' @ 3479.0usft (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) |  |
| 2,483.0      | 10.12      | 345.46               | 2,479.1       | 42.4          | -42.9         | 1.67                | 1.55                 | 3.76                | 24.2                   | 28.9                    |  |
| 2,573.0      | 10.18      | 348.02               | 2,567.7       | 57.9          | -46.5         | 0.51                | 0.07                 | 2.84                | 25.2                   | 27.1                    |  |
| 2,754.0      | 11.59      | 353.25               | 2,745.4       | 91.6          | -52.0         | 0.95                | 0.78                 | 2.89                | 24.4                   | 21.2                    |  |
| 2,844.0      | 11.59      | 353.90               | 2,833.6       | 109.6         | -54.0         | 0.15                | 0.00                 | 0.72                | 21.9                   | 18.3                    |  |
| 2,935.0      | 11.53      | 353.98               | 2,922.7       | 127.7         | -55.9         | 0.07                | -0.07                | 0.09                | 19.2                   | 15.5                    |  |
| 3,026.0      | 11.27      | 354.08               | 3,011.9       | 145.6         | -57.8         | 0.29                | -0.29                | 0.11                | 16.7                   | 12.8                    |  |
| 3,116.0      | 12.25      | 354.81               | 3,100.0       | 163.8         | -59.6         | 1.10                | 1.09                 | 0.81                | 13.9                   | 9.7                     |  |
| 3,206.0      | 12.14      | 355.07               | 3,188.0       | 182.8         | -61.2         | 0.14                | -0.12                | 0.29                | 10.2                   | 6.7                     |  |
| 3,297.0      | 11.94      | 355.69               | 3,277.0       | 201.7         | -62.8         | 0.26                | -0.22                | 0.68                | 6.7                    | 3.5                     |  |
| 3,388.0      | 11.88      | 356.50               | 3,366.0       | 220.4         | -64.0         | 0.20                | -0.07                | 0.89                | 3.3                    | 0.2                     |  |
| 3,479.0      | 11.63      | 357.26               | 3,455.1       | 238.9         | -65.0         | 0.32                | -0.27                | 0.84                | 0.2                    | -3.4                    |  |
| 3,569.0      | 11.57      | 354.41               | 3,543.3       | 257.0         | -66.4         | 0.64                | -0.07                | -3.17               | -2.4                   | -6.6                    |  |
| 3,659.0      | 11.37      | 352.47               | 3,631.5       | 274.8         | -68.4         | 0.48                | -0.22                | -2.16               | -4.7                   | -9.3                    |  |
| 3,750.0      | 10.74      | 353.84               | 3,720.8       | 292.1         | -70.5         | 0.75                | -0.69                | 1.51                | -6.8                   | -11.7                   |  |
| 3,840.0      | 10.11      | 353.98               | 3,809.3       | 308.3         | -72.2         | 0.70                | -0.70                | 0.16                | -7.7                   | -14.4                   |  |
| 3,931.0      | 9.85       | 351.74               | 3,899.0       | 323.9         | -74.2         | 0.51                | -0.29                | -2.46               | -7.3                   | -17.1                   |  |
| 4,021.0      | 11.82      | 343.50               | 3,987.3       | 340.4         | -77.9         | 2.78                | 2.19                 | -9.16               | -6.0                   | -18.9                   |  |
| 4,112.0      | 12.63      | 339.89               | 4,076.3       | 358.7         | -84.0         | 1.22                | 0.89                 | -3.97               | -8.4                   | -18.7                   |  |
| 4,203.0      | 12.10      | 339.94               | 4,165.2       | 377.0         | -90.7         | 0.58                | -0.58                | 0.05                | -12.2                  | -17.6                   |  |
| 4,293.0      | 11.91      | 341.88               | 4,253.2       | 394.6         | -96.8         | 0.50                | -0.21                | 2.16                | -15.9                  | -16.2                   |  |
| 4,384.0      | 12.04      | 343.94               | 4,342.2       | 412.7         | -102.3        | 0.49                | 0.14                 | 2.26                | -19.6                  | -15.3                   |  |
| 4,565.0      | 10.47      | 347.35               | 4,519.7       | 446.9         | -111.2        | 0.94                | -0.87                | 1.88                | -24.5                  | -14.8                   |  |
| 4,655.0      | 9.77       | 350.85               | 4,608.3       | 462.4         | -114.2        | 1.03                | -0.78                | 3.89                | -25.6                  | -14.7                   |  |
| 4,746.0      | 8.94       | 354.47               | 4,698.1       | 477.1         | -116.1        | 1.12                | -0.91                | 3.98                | -25.7                  | -15.4                   |  |
| 4,837.0      | 9.30       | 351.25               | 4,788.0       | 491.4         | -117.9        | 0.69                | 0.40                 | -3.54               | -23.5                  | -19.2                   |  |
| 4,927.0      | 8.96       | 348.86               | 4,876.8       | 505.4         | -120.3        | 0.57                | -0.38                | -2.66               | -21.4                  | -21.8                   |  |
| 5,017.0      | 8.07       | 350.53               | 4,965.8       | 518.5         | -122.7        | 1.03                | -0.99                | 1.86                | -19.8                  | -22.8                   |  |



## Final PVA

**Company:** Midland  
**Project:** Lea County, NM (NAD 83 NME)  
**Site:** Peregrine 27 Fed Com  
**Well:** #403H  
**Wellbore:** OH  
**Design:** OH

**Local Co-ordinate Reference:** Well #403H  
**TVD Reference:** kb = 25' @ 3479.0usft (H&P 389)  
**MD Reference:** kb = 25' @ 3479.0usft (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) |
| 5,108.0      | 7.75       | 350.76               | 5,056.0       | 530.9         | -124.8        | 0.35                | -0.35                | 0.25                | -16.7                  | -24.5                   |
| 5,199.0      | 8.59       | 342.91               | 5,146.1       | 543.4         | -127.7        | 1.53                | 0.92                 | -8.63               | -10.2                  | -27.1                   |
| 5,289.0      | 8.37       | 337.66               | 5,235.1       | 555.9         | -132.2        | 0.89                | -0.24                | -5.83               | -5.4                   | -26.8                   |
| 5,326.0      | 7.86       | 337.86               | 5,271.7       | 560.8         | -134.2        | 1.38                | -1.38                | 0.54                | -4.3                   | -26.0                   |
| 5,454.0      | 7.13       | 334.09               | 5,398.6       | 576.0         | -140.9        | 0.69                | -0.57                | -2.95               | 2.7                    | -23.0                   |
| 5,543.0      | 7.50       | 333.23               | 5,486.9       | 586.2         | -146.0        | 0.43                | 0.42                 | -0.97               | 6.9                    | -20.2                   |
| 5,724.0      | 10.65      | 345.42               | 5,665.6       | 612.9         | -155.5        | 2.03                | 1.74                 | 6.73                | 5.7                    | -19.4                   |
| 5,813.0      | 12.52      | 344.28               | 5,752.8       | 630.2         | -160.2        | 2.12                | 2.10                 | -1.28               | 3.6                    | -19.5                   |
| 5,904.0      | 12.57      | 340.69               | 5,841.6       | 649.0         | -166.1        | 0.86                | 0.05                 | -3.95               | 0.8                    | -19.0                   |
| 5,994.0      | 12.71      | 338.55               | 5,929.4       | 667.5         | -173.0        | 0.54                | 0.16                 | -2.38               | -2.8                   | -17.8                   |
| 6,084.0      | 12.58      | 335.88               | 6,017.3       | 685.6         | -180.6        | 0.67                | -0.14                | -2.97               | -6.2                   | -16.2                   |
| 6,174.0      | 12.87      | 334.01               | 6,105.1       | 703.6         | -189.0        | 0.56                | 0.32                 | -2.08               | -10.2                  | -14.0                   |
| 6,263.0      | 13.01      | 329.44               | 6,191.8       | 721.1         | -198.5        | 1.16                | 0.16                 | -5.13               | -14.1                  | -11.6                   |
| 6,353.0      | 12.34      | 329.74               | 6,279.6       | 738.1         | -208.5        | 0.75                | -0.74                | 0.33                | -18.8                  | -7.7                    |
| 6,443.0      | 10.81      | 339.88               | 6,367.8       | 754.4         | -216.2        | 2.82                | -1.70                | 11.27               | -22.6                  | -1.5                    |
| 6,534.0      | 8.60       | 354.32               | 6,457.5       | 769.2         | -219.8        | 3.60                | -2.43                | 15.87               | -24.5                  | 3.9                     |
| 6,624.0      | 6.71       | 6.59                 | 6,546.7       | 781.1         | -219.9        | 2.77                | -2.10                | 13.63               | -25.6                  | 6.6                     |
| 6,714.0      | 4.73       | 26.63                | 6,636.2       | 789.6         | -217.6        | 3.09                | -2.20                | 22.27               | -25.1                  | 11.8                    |
| 6,805.0      | 1.80       | 50.10                | 6,727.1       | 793.9         | -214.8        | 3.47                | -3.22                | 25.79               | -21.3                  | 18.1                    |
| 6,895.0      | 1.05       | 77.27                | 6,817.1       | 795.0         | -213.0        | 1.10                | -0.83                | 30.19               | -12.8                  | 24.8                    |
| 6,986.0      | 1.31       | 67.01                | 6,908.0       | 795.6         | -211.2        | 0.37                | 0.29                 | -11.27              | -18.9                  | 21.9                    |
| 7,076.0      | 1.57       | 111.77               | 6,998.0       | 795.5         | -209.1        | 1.25                | 0.29                 | 49.73               | 0.1                    | 29.6                    |
| 7,167.0      | 2.35       | 144.78               | 7,089.0       | 793.5         | -206.9        | 1.47                | 0.86                 | 36.27               | 13.3                   | 25.5                    |
| 7,258.0      | 1.99       | 143.26               | 7,179.9       | 790.7         | -204.8        | 0.40                | -0.40                | -1.67               | 9.1                    | 25.8                    |
| 7,348.0      | 1.52       | 147.83               | 7,269.9       | 788.5         | -203.3        | 0.54                | -0.52                | 5.08                | 8.4                    | 25.1                    |
| 7,438.0      | 1.49       | 156.65               | 7,359.8       | 786.4         | -202.2        | 0.26                | -0.03                | 9.80                | 9.8                    | 23.7                    |
| 7,528.0      | 1.45       | 166.19               | 7,449.8       | 784.2         | -201.4        | 0.28                | -0.04                | 10.60               | 11.3                   | 21.9                    |



## Final PVA

|                  |                             |                                     |                                 |
|------------------|-----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>  | Midland                     | <b>Local Co-ordinate Reference:</b> | Well #403H                      |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>TVD Reference:</b>               | kb = 25' @ 3479.0usft (H&P 389) |
| <b>Site:</b>     | Peregrine 27 Fed Com        | <b>MD Reference:</b>                | kb = 25' @ 3479.0usft (H&P 389) |
| <b>Well:</b>     | #403H                       | <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) |  |
| 7,619.0      | 1.19       | 172.62               | 7,540.8       | 782.2         | -201.0        | 0.33                | -0.29                | 7.07                | 11.6                   | 20.6                    |  |
| 7,709.0      | 1.14       | 169.55               | 7,630.8       | 780.4         | -200.7        | 0.09                | -0.06                | -3.41               | 8.7                    | 21.2                    |  |
| 7,799.0      | 0.92       | 177.18               | 7,720.7       | 778.8         | -200.6        | 0.29                | -0.24                | 8.48                | 9.8                    | 20.0                    |  |
| 7,890.0      | 1.03       | 185.15               | 7,811.7       | 777.2         | -200.6        | 0.19                | 0.12                 | 8.76                | 10.9                   | 18.5                    |  |
| 7,981.0      | 1.07       | 184.28               | 7,902.7       | 775.5         | -200.7        | 0.05                | 0.04                 | -0.96               | 9.0                    | 18.7                    |  |
| 8,071.0      | 0.88       | 186.70               | 7,992.7       | 774.0         | -200.9        | 0.22                | -0.21                | 2.69                | 8.2                    | 18.3                    |  |
| 8,162.0      | 0.89       | 196.76               | 8,083.7       | 772.7         | -201.2        | 0.17                | 0.01                 | 11.05               | 9.9                    | 16.7                    |  |
| 8,253.0      | 1.01       | 201.96               | 8,174.7       | 771.2         | -201.7        | 0.16                | 0.13                 | 5.71                | 9.9                    | 15.8                    |  |
| 8,344.0      | 1.21       | 198.49               | 8,265.7       | 769.6         | -202.3        | 0.23                | 0.22                 | -3.81               | 7.1                    | 16.3                    |  |
| 8,435.0      | 1.22       | 208.03               | 8,356.6       | 767.8         | -203.0        | 0.22                | 0.01                 | 10.48               | 7.8                    | 15.1                    |  |
| 8,525.0      | 1.24       | 228.20               | 8,446.6       | 766.3         | -204.2        | 0.48                | 0.02                 | 22.41               | 10.7                   | 11.8                    |  |
| 8,615.0      | 1.17       | 228.17               | 8,536.6       | 765.1         | -205.6        | 0.08                | -0.08                | -0.03               | 8.8                    | 11.8                    |  |
| 8,706.0      | 1.43       | 227.76               | 8,627.6       | 763.7         | -207.1        | 0.29                | 0.29                 | -0.45               | 6.6                    | 11.9                    |  |
| 8,797.0      | 1.34       | 234.25               | 8,718.5       | 762.3         | -208.8        | 0.20                | -0.10                | 7.13                | 5.7                    | 11.2                    |  |
| 8,887.0      | 1.22       | 243.71               | 8,808.5       | 761.2         | -210.6        | 0.27                | -0.13                | 10.51               | 5.5                    | 10.2                    |  |
| 8,977.0      | 1.31       | 259.90               | 8,898.5       | 760.6         | -212.4        | 0.41                | 0.10                 | 17.99               | 6.2                    | 8.6                     |  |
| 9,068.0      | 1.53       | 254.34               | 8,989.5       | 760.1         | -214.6        | 0.28                | 0.24                 | -6.11               | 3.1                    | 9.0                     |  |
| 9,249.0      | 1.83       | 264.95               | 9,170.4       | 759.2         | -219.8        | 0.24                | 0.17                 | 5.86                | -0.6                   | 8.8                     |  |
| 9,340.0      | 1.83       | 262.64               | 9,261.4       | 758.9         | -222.7        | 0.08                | 0.00                 | -2.54               | -3.9                   | 8.7                     |  |
| 9,522.0      | 1.07       | 217.71               | 9,443.3       | 757.2         | -226.6        | 0.72                | -0.42                | -24.69              | -12.6                  | 1.4                     |  |
| 9,612.0      | 1.21       | 216.12               | 9,533.3       | 755.8         | -227.7        | 0.16                | 0.16                 | -1.77               | -14.4                  | 1.0                     |  |
| 9,702.0      | 1.49       | 212.90               | 9,623.3       | 754.0         | -228.9        | 0.32                | 0.31                 | -3.58               | -16.6                  | 0.1                     |  |
| 9,793.0      | 1.26       | 222.52               | 9,714.2       | 752.3         | -230.2        | 0.36                | -0.25                | 10.57               | -18.5                  | 3.1                     |  |
| 9,882.0      | 1.10       | 238.43               | 9,803.2       | 751.1         | -231.6        | 0.41                | -0.18                | 17.88               | -18.7                  | 8.3                     |  |
| 9,972.0      | 0.84       | 258.82               | 9,893.2       | 750.5         | -233.0        | 0.48                | -0.29                | 22.66               | -16.1                  | 14.6                    |  |
| 10,046.0     | 0.88       | 272.01               | 9,967.2       | 750.4         | -234.1        | 0.27                | 0.05                 | 17.82               | -13.5                  | 18.0                    |  |
| 10,104.0     | 1.28       | 288.73               | 10,025.2      | 750.7         | -235.2        | 0.87                | 0.69                 | 28.83               | -8.8                   | 21.3                    |  |



## Final PVA

|                  |                             |                                     |                                 |
|------------------|-----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>  | Midland                     | <b>Local Co-ordinate Reference:</b> | Well #403H                      |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>TVD Reference:</b>               | kb = 25' @ 3479.0usft (H&P 389) |
| <b>Site:</b>     | Peregrine 27 Fed Com        | <b>MD Reference:</b>                | kb = 25' @ 3479.0usft (H&P 389) |
| <b>Well:</b>     | #403H                       | <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) |       |
| 10,165.0                                                                  | 2.05       | 201.29               | 10,086.2      | 749.9         | -236.2        | 3.89                | 1.27                 | -143.34             | -22.7                  |                         | -8.5  |
| KOP (MD=10165.0')                                                         |            |                      |               |               |               |                     |                      |                     |                        |                         |       |
| 10,195.0                                                                  | 3.10       | 189.58               | 10,116.1      | 748.6         | -236.5        | 3.89                | 3.49                 | -39.04              | -20.5                  |                         | -13.3 |
| 10,285.0                                                                  | 12.33      | 167.49               | 10,205.2      | 736.8         | -234.9        | 10.59               | 10.26                | -24.54              | -12.7                  |                         | -18.1 |
| 10,359.4                                                                  | 17.65      | 180.63               | 10,277.1      | 717.7         | -233.3        | 8.44                | 7.15                 | 17.66               | -13.4                  |                         | -13.5 |
| HL Crossing, MD:10359.4', TVD:10277.1',N/S:717.7', E/W:-233.3', INC:17.65 |            |                      |               |               |               |                     |                      |                     |                        |                         |       |
| 10,375.0                                                                  | 18.84      | 182.44               | 10,291.9      | 712.8         | -233.4        | 8.44                | 7.62                 | 11.60               | -12.9                  |                         | -13.3 |
| 10,466.0                                                                  | 26.31      | 184.37               | 10,375.9      | 678.0         | -235.6        | 8.25                | 8.21                 | 2.12                | -6.1                   |                         | -16.0 |
| 10,557.0                                                                  | 37.72      | 179.24               | 10,452.9      | 629.9         | -236.7        | 12.88               | 12.54                | -5.64               | 2.0                    |                         | -18.0 |
| 10,647.0                                                                  | 51.70      | 180.78               | 10,516.7      | 566.7         | -236.8        | 15.58               | 15.53                | 1.71                | 2.6                    |                         | -18.8 |
| 10,737.0                                                                  | 65.78      | 180.44               | 10,563.3      | 490.0         | -237.6        | 15.65               | 15.64                | -0.38               | -4.2                   |                         | -20.3 |
| 10,828.0                                                                  | 72.67      | 177.89               | 10,595.6      | 405.0         | -236.4        | 8.01                | 7.57                 | -2.80               | -13.2                  |                         | -19.9 |
| 10,919.0                                                                  | 78.73      | 177.61               | 10,618.0      | 316.9         | -232.9        | 6.67                | 6.66                 | -0.31               | -18.2                  |                         | -17.3 |
| 11,010.0                                                                  | 83.11      | 176.67               | 10,632.4      | 227.2         | -228.4        | 4.92                | 4.81                 | -1.03               | -16.6                  |                         | -13.6 |
| 11,100.0                                                                  | 86.77      | 177.39               | 10,640.3      | 137.7         | -223.8        | 4.14                | 4.07                 | 0.80                | -9.9                   |                         | -9.8  |
| 11,189.0                                                                  | 86.74      | 176.87               | 10,645.4      | 48.9          | -219.3        | 0.58                | -0.03                | -0.58               | -5.3                   |                         | -6.2  |
| 11,279.0                                                                  | 88.76      | 177.59               | 10,648.9      | -40.9         | -215.0        | 2.38                | 2.24                 | 0.80                | -2.2                   |                         | -2.7  |
| 11,369.0                                                                  | 89.83      | 175.14               | 10,650.0      | -130.7        | -209.3        | 2.97                | 1.19                 | -2.72               | -1.5                   |                         | 2.2   |
| 11,460.0                                                                  | 89.36      | 176.02               | 10,650.7      | -221.4        | -202.3        | 1.10                | -0.52                | 0.97                | -1.3                   |                         | 8.3   |
| 11,550.0                                                                  | 88.86      | 179.47               | 10,652.1      | -311.3        | -198.7        | 3.87                | -0.56                | 3.83                | -0.3                   |                         | 11.0  |
| 11,641.0                                                                  | 88.99      | 179.46               | 10,653.8      | -402.3        | -197.9        | 0.14                | 0.14                 | -0.01               | 1.0                    |                         | 11.0  |
| 11,731.0                                                                  | 89.97      | 179.37               | 10,654.6      | -492.3        | -196.9        | 1.09                | 1.09                 | -0.10               | 1.4                    |                         | 11.1  |
| 11,822.0                                                                  | 88.25      | 178.82               | 10,656.0      | -583.3        | -195.5        | 1.98                | -1.89                | -0.60               | 2.3                    |                         | 11.6  |
| 11,912.0                                                                  | 89.66      | 178.65               | 10,657.6      | -673.2        | -193.5        | 1.58                | 1.57                 | -0.19               | 3.5                    |                         | 12.8  |
| 12,003.0                                                                  | 88.86      | 179.06               | 10,658.8      | -764.2        | -191.7        | 0.99                | -0.88                | 0.45                | 4.3                    |                         | 13.7  |
| 12,093.0                                                                  | 90.77      | 179.79               | 10,659.1      | -854.2        | -190.8        | 2.27                | 2.12                 | 0.81                | 4.2                    |                         | 13.8  |
| 12,184.0                                                                  | 91.41      | 178.30               | 10,657.4      | -945.2        | -189.3        | 1.78                | 0.70                 | -1.64               | 2.0                    |                         | 14.4  |



## Final PVA

**Company:** Midland  
**Project:** Lea County, NM (NAD 83 NME)  
**Site:** Peregrine 27 Fed Com  
**Well:** #403H  
**Wellbore:** OH  
**Design:** OH

**Local Co-ordinate Reference:** Well #403H  
**TVD Reference:** kb = 25' @ 3479.0usft (H&P 389)  
**MD Reference:** kb = 25' @ 3479.0usft (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) |  |
| 12,274.0     | 93.08      | 178.65               | 10,653.8      | -1,035.1      | -186.9        | 1.90                | 1.86                 | 0.39                | -1.9                   | 15.9                    |  |
| 12,364.0     | 91.31      | 179.87               | 10,650.4      | -1,125.0      | -185.7        | 2.39                | -1.97                | 1.36                | -5.8                   | 16.2                    |  |
| 12,455.0     | 91.08      | 181.42               | 10,648.5      | -1,216.0      | -186.8        | 1.72                | -0.25                | 1.70                | -8.2                   | 14.4                    |  |
| 12,546.0     | 92.02      | 181.19               | 10,646.0      | -1,306.9      | -188.8        | 1.06                | 1.03                 | -0.25               | -11.1                  | 11.4                    |  |
| 12,636.0     | 89.93      | 181.71               | 10,644.5      | -1,396.9      | -191.1        | 2.39                | -2.32                | 0.58                | -13.0                  | 8.3                     |  |
| 12,727.0     | 88.96      | 181.47               | 10,645.4      | -1,487.8      | -193.6        | 1.10                | -1.07                | -0.26               | -12.6                  | 4.9                     |  |
| 12,817.0     | 88.22      | 180.77               | 10,647.6      | -1,577.8      | -195.4        | 1.13                | -0.82                | -0.78               | -10.7                  | 2.3                     |  |
| 12,908.0     | 88.79      | 181.18               | 10,650.0      | -1,668.7      | -196.9        | 0.77                | 0.63                 | 0.45                | -8.6                   | -0.1                    |  |
| 12,999.0     | 86.31      | 180.29               | 10,653.9      | -1,759.6      | -198.1        | 2.90                | -2.73                | -0.98               | -5.0                   | -2.2                    |  |
| 13,089.0     | 89.36      | 181.19               | 10,657.3      | -1,849.5      | -199.3        | 3.53                | 3.39                 | 1.00                | -1.9                   | -4.2                    |  |
| 13,179.0     | 91.07      | 180.58               | 10,656.9      | -1,939.5      | -200.7        | 2.02                | 1.90                 | -0.68               | -2.5                   | -6.4                    |  |
| 13,269.0     | 92.38      | 180.29               | 10,654.2      | -2,029.5      | -201.3        | 1.49                | 1.46                 | -0.32               | -5.5                   | -8.0                    |  |
| 13,360.0     | 91.64      | 180.22               | 10,651.0      | -2,120.4      | -201.7        | 0.82                | -0.81                | -0.08               | -9.0                   | -9.2                    |  |
| 13,449.0     | 88.76      | 180.04               | 10,650.7      | -2,209.4      | -201.9        | 3.24                | -3.24                | -0.20               | -9.5                   | -10.3                   |  |
| 13,540.0     | 89.87      | 178.96               | 10,651.8      | -2,300.4      | -201.1        | 1.70                | 1.22                 | -1.19               | -8.7                   | -10.4                   |  |
| 13,631.0     | 91.17      | 179.53               | 10,651.0      | -2,391.4      | -199.9        | 1.56                | 1.43                 | 0.63                | -9.9                   | -10.0                   |  |
| 13,721.0     | 90.07      | 178.95               | 10,650.0      | -2,481.4      | -198.8        | 1.38                | -1.22                | -0.64               | -11.1                  | -9.7                    |  |
| 13,812.0     | 90.34      | 180.23               | 10,649.7      | -2,572.4      | -198.1        | 1.44                | 0.30                 | 1.41                | -11.7                  | -9.9                    |  |
| 13,902.0     | 89.10      | 179.95               | 10,650.1      | -2,662.4      | -198.2        | 1.41                | -1.38                | -0.31               | -11.6                  | -10.9                   |  |
| 13,992.0     | 90.00      | 181.44               | 10,650.8      | -2,752.4      | -199.3        | 1.93                | 1.00                 | 1.66                | -11.2                  | -12.9                   |  |
| 14,083.0     | 88.69      | 180.55               | 10,651.9      | -2,843.3      | -200.9        | 1.74                | -1.44                | -0.98               | -10.4                  | -15.3                   |  |
| 14,174.0     | 89.56      | 179.10               | 10,653.3      | -2,934.3      | -200.6        | 1.86                | 0.96                 | -1.59               | -9.3                   | -15.9                   |  |
| 14,264.0     | 90.27      | 179.12               | 10,653.4      | -3,024.3      | -199.2        | 0.79                | 0.79                 | 0.02                | -9.5                   | -15.3                   |  |
| 14,355.0     | 90.10      | 178.84               | 10,653.1      | -3,115.3      | -197.6        | 0.36                | -0.19                | -0.31               | -10.0                  | -14.6                   |  |
| 14,445.0     | 86.78      | 177.39               | 10,655.5      | -3,205.2      | -194.7        | 4.03                | -3.69                | -1.61               | -7.9                   | -12.5                   |  |
| 14,535.0     | 86.65      | 176.50               | 10,660.7      | -3,294.9      | -189.9        | 1.00                | -0.14                | -0.99               | -3.0                   | -8.6                    |  |
| 14,626.0     | 87.78      | 175.53               | 10,665.1      | -3,385.6      | -183.6        | 1.64                | 1.24                 | -1.07               | 1.1                    | -3.1                    |  |



## Final PVA

**Company:** Midland  
**Project:** Lea County, NM (NAD 83 NME)  
**Site:** Peregrine 27 Fed Com  
**Well:** #403H  
**Wellbore:** OH  
**Design:** OH

**Local Co-ordinate Reference:** Well #403H  
**TVD Reference:** kb = 25' @ 3479.0usft (H&P 389)  
**MD Reference:** kb = 25' @ 3479.0usft (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) |  |
| 14,716.0     | 91.21      | 177.51               | 10,665.9      | -3,475.4      | -178.1        | 4.40                | 3.81                 | 2.20                | 1.6                    | 1.5                     |  |
| 14,805.0     | 93.56      | 178.80               | 10,662.2      | -3,564.3      | -175.2        | 3.01                | 2.64                 | 1.45                | -2.4                   | 3.5                     |  |
| 14,895.0     | 90.44      | 178.64               | 10,659.1      | -3,654.2      | -173.2        | 3.47                | -3.47                | -0.18               | -5.8                   | 4.7                     |  |
| 14,984.0     | 91.77      | 179.23               | 10,657.4      | -3,743.1      | -171.6        | 1.63                | 1.49                 | 0.66                | -7.9                   | 5.5                     |  |
| 15,075.0     | 90.07      | 180.05               | 10,655.9      | -3,834.1      | -171.0        | 2.07                | -1.87                | 0.90                | -10.1                  | 5.2                     |  |
| 15,179.0     | 88.19      | 179.93               | 10,657.5      | -3,938.1      | -171.0        | 1.81                | -1.81                | -0.12               | -9.2                   | 4.2                     |  |
| 15,270.0     | 87.38      | 179.77               | 10,661.0      | -4,029.0      | -170.7        | 0.91                | -0.89                | -0.18               | -6.4                   | 3.6                     |  |
| 15,360.0     | 85.87      | 180.25               | 10,666.3      | -4,118.9      | -170.8        | 1.76                | -1.68                | 0.53                | -1.7                   | 2.7                     |  |
| 15,451.0     | 83.38      | 178.19               | 10,674.8      | -4,209.5      | -169.5        | 3.54                | -2.74                | -2.26               | 6.1                    | 3.1                     |  |
| 15,541.0     | 78.35      | 176.51               | 10,689.1      | -4,298.2      | -165.4        | 5.88                | -5.59                | -1.87               | 19.7                   | 6.5                     |  |
| 15,632.0     | 86.94      | 179.90               | 10,700.7      | -4,388.3      | -162.6        | 10.14               | 9.44                 | 3.73                | 30.8                   | 8.3                     |  |
| 15,723.0     | 92.15      | 183.60               | 10,701.5      | -4,479.2      | -165.4        | 7.02                | 5.73                 | 4.07                | 30.8                   | 4.6                     |  |
| 15,813.0     | 95.75      | 183.76               | 10,695.3      | -4,568.8      | -171.2        | 4.00                | 4.00                 | 0.18                | 24.0                   | -2.0                    |  |
| 15,904.0     | 98.68      | 184.08               | 10,683.8      | -4,658.9      | -177.3        | 3.24                | 3.22                 | 0.35                | 11.9                   | -9.0                    |  |
| 15,994.0     | 98.57      | 183.86               | 10,670.3      | -4,747.6      | -183.5        | 0.27                | -0.12                | -0.24               | -2.0                   | -16.0                   |  |
| 16,083.0     | 95.79      | 183.36               | 10,659.2      | -4,835.7      | -189.1        | 3.17                | -3.12                | -0.56               | -13.8                  | -22.5                   |  |
| 16,174.0     | 91.68      | 180.78               | 10,653.3      | -4,926.5      | -192.3        | 5.33                | -4.52                | -2.84               | -20.6                  | -26.6                   |  |
| 16,264.0     | 89.09      | 178.88               | 10,652.7      | -5,016.5      | -192.1        | 3.57                | -2.88                | -2.11               | -21.8                  | -27.1                   |  |
| 16,355.0     | 91.17      | 179.84               | 10,652.5      | -5,107.4      | -191.1        | 2.52                | 2.29                 | 1.05                | -22.7                  | -27.0                   |  |
| 16,445.0     | 90.97      | 180.83               | 10,650.8      | -5,197.4      | -191.6        | 1.12                | -0.22                | 1.10                | -25.0                  | -28.4                   |  |
| 16,537.0     | 90.00      | 178.81               | 10,650.0      | -5,289.4      | -191.3        | 2.44                | -1.05                | -2.20               | -26.5                  | -29.0                   |  |
| 16,628.0     | 87.65      | 177.99               | 10,651.9      | -5,380.3      | -188.7        | 2.74                | -2.58                | -0.90               | -25.2                  | -27.3                   |  |
| 16,718.0     | 87.28      | 176.77               | 10,655.9      | -5,470.2      | -184.6        | 1.42                | -0.41                | -1.36               | -21.9                  | -24.1                   |  |
| 16,809.0     | 91.01      | 177.85               | 10,657.2      | -5,561.0      | -180.4        | 4.27                | 4.10                 | 1.19                | -20.9                  | -20.6                   |  |
| 16,900.0     | 90.30      | 176.66               | 10,656.2      | -5,651.9      | -176.0        | 1.52                | -0.78                | -1.31               | -22.0                  | -17.1                   |  |
| 16,990.0     | 87.11      | 174.96               | 10,658.2      | -5,741.6      | -169.4        | 4.02                | -3.54                | -1.89               | -20.1                  | -11.4                   |  |
| 17,081.0     | 91.24      | 175.51               | 10,659.5      | -5,832.3      | -161.9        | 4.58                | 4.54                 | 0.60                | -18.8                  | -4.7                    |  |



## Final PVA

**Company:** Midland  
**Project:** Lea County, NM (NAD 83 NME)  
**Site:** Peregrine 27 Fed Com  
**Well:** #403H  
**Wellbore:** OH  
**Design:** OH

**Local Co-ordinate Reference:** Well #403H  
**TVD Reference:** kb = 25' @ 3479.0usft (H&P 389)  
**MD Reference:** kb = 25' @ 3479.0usft (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) |
| 17,172.0     | 92.28      | 176.53               | 10,656.7      | -5,923.0      | -155.6        | 1.60                | 1.14                 | 1.12                | -21.7                  | 0.7                     |
| 17,262.0     | 92.92      | 179.59               | 10,652.7      | -6,012.9      | -152.5        | 3.47                | 0.71                 | 3.40                | -25.9                  | 2.9                     |
| 17,352.0     | 93.46      | 180.48               | 10,647.6      | -6,102.7      | -152.6        | 1.16                | 0.60                 | 0.99                | -30.9                  | 2.0                     |
| 17,443.0     | 92.45      | 181.55               | 10,643.0      | -6,193.6      | -154.2        | 1.62                | -1.11                | 1.18                | -35.7                  | -0.5                    |
| 17,532.0     | 90.84      | 181.55               | 10,640.4      | -6,282.5      | -156.6        | 1.81                | -1.81                | 0.00                | -38.4                  | -3.7                    |
| 17,622.0     | 87.58      | 182.95               | 10,641.6      | -6,372.4      | -160.1        | 3.94                | -3.62                | 1.56                | -37.2                  | -8.1                    |
| 17,713.0     | 87.82      | 183.22               | 10,645.3      | -6,463.2      | -165.0        | 0.40                | 0.26                 | 0.30                | -33.6                  | -13.8                   |
| 17,803.0     | 87.52      | 182.77               | 10,648.9      | -6,553.0      | -169.7        | 0.60                | -0.33                | -0.50               | -30.1                  | -19.4                   |
| 17,893.0     | 87.89      | 182.19               | 10,652.6      | -6,642.9      | -173.6        | 0.76                | 0.41                 | -0.64               | -26.5                  | -24.1                   |
| 17,984.0     | 87.85      | 179.89               | 10,655.9      | -6,733.8      | -175.3        | 2.53                | -0.04                | -2.53               | -23.2                  | -26.7                   |
| 18,074.0     | 89.33      | 178.61               | 10,658.1      | -6,823.8      | -174.1        | 2.17                | 1.64                 | -1.42               | -21.1                  | -26.4                   |
| 18,165.0     | 90.13      | 177.60               | 10,658.6      | -6,914.7      | -171.1        | 1.42                | 0.88                 | -1.11               | -20.7                  | -24.2                   |
| 18,255.0     | 91.01      | 178.11               | 10,657.7      | -7,004.6      | -167.7        | 1.13                | 0.98                 | 0.57                | -21.7                  | -21.7                   |
| 18,346.0     | 89.73      | 177.92               | 10,657.1      | -7,095.6      | -164.6        | 1.42                | -1.41                | -0.21               | -22.4                  | -19.4                   |
| 18,437.0     | 90.17      | 177.23               | 10,657.2      | -7,186.5      | -160.7        | 0.90                | 0.48                 | -0.76               | -22.4                  | -16.4                   |
| 18,527.0     | 88.26      | 177.43               | 10,658.4      | -7,276.4      | -156.5        | 2.13                | -2.12                | 0.22                | -21.2                  | -13.1                   |
| 18,618.0     | 91.04      | 177.05               | 10,659.0      | -7,367.3      | -152.1        | 3.08                | 3.05                 | -0.42               | -20.7                  | -9.6                    |
| 18,709.0     | 90.27      | 176.36               | 10,657.9      | -7,458.1      | -146.9        | 1.14                | -0.85                | -0.76               | -21.9                  | -5.2                    |
| 18,799.0     | 90.34      | 177.57               | 10,657.4      | -7,548.0      | -142.1        | 1.35                | 0.08                 | 1.34                | -22.4                  | -1.3                    |
| 18,889.0     | 91.51      | 179.29               | 10,656.0      | -7,637.9      | -139.7        | 2.31                | 1.30                 | 1.91                | -24.0                  | 0.3                     |
| 18,980.0     | 91.91      | 177.73               | 10,653.3      | -7,728.9      | -137.3        | 1.77                | 0.44                 | -1.71               | -26.8                  | 1.8                     |
| 19,071.0     | 91.84      | 178.26               | 10,650.3      | -7,819.8      | -134.1        | 0.59                | -0.08                | 0.58                | -29.9                  | 4.1                     |
| 19,161.0     | 90.23      | 179.44               | 10,648.7      | -7,909.7      | -132.3        | 2.22                | -1.79                | 1.31                | -31.7                  | 5.1                     |
| 19,252.0     | 88.86      | 180.51               | 10,649.4      | -8,000.7      | -132.3        | 1.91                | -1.51                | 1.18                | -31.1                  | 4.2                     |
| 19,342.0     | 88.63      | 181.62               | 10,651.4      | -8,090.7      | -134.0        | 1.26                | -0.26                | 1.23                | -29.2                  | 1.7                     |
| 19,433.0     | 87.02      | 182.11               | 10,654.8      | -8,181.6      | -136.9        | 1.85                | -1.77                | 0.54                | -25.9                  | -2.1                    |
| 19,524.0     | 87.75      | 182.65               | 10,659.0      | -8,272.4      | -140.7        | 1.00                | 0.80                 | 0.59                | -21.9                  | -6.8                    |



## Final PVA

**Company:** Midland  
**Project:** Lea County, NM (NAD 83 NME)  
**Site:** Peregrine 27 Fed Com  
**Well:** #403H  
**Wellbore:** OH  
**Design:** OH

**Local Co-ordinate Reference:** Well #403H  
**TVD Reference:** kb = 25' @ 3479.0usft (H&P 389)  
**MD Reference:** kb = 25' @ 3479.0usft (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) |
| 19,614.0                                     | 87.88      | 183.94               | 10,662.4      | -8,362.2      | -145.9        | 1.44                | 0.14                 | 1.43                | -18.7                  | -12.7                   |
| 19,704.0                                     | 88.96      | 182.85               | 10,664.9      | -8,452.0      | -151.2        | 1.70                | 1.20                 | -1.21               | -16.3                  | -18.9                   |
| 19,795.0                                     | 90.00      | 181.04               | 10,665.7      | -8,542.9      | -154.3        | 2.29                | 1.14                 | -1.99               | -15.6                  | -22.9                   |
| 19,886.0                                     | 93.12      | 180.75               | 10,663.2      | -8,633.9      | -155.7        | 3.44                | 3.43                 | -0.32               | -18.2                  | -25.2                   |
| 19,977.0                                     | 89.43      | 181.16               | 10,661.2      | -8,724.8      | -157.2        | 4.08                | -4.05                | 0.45                | -20.4                  | -27.6                   |
| 20,067.0                                     | 90.34      | 180.29               | 10,661.4      | -8,814.8      | -158.3        | 1.40                | 1.01                 | -0.97               | -20.4                  | -29.6                   |
| 20,158.0                                     | 90.37      | 178.78               | 10,660.8      | -8,905.8      | -157.6        | 1.66                | 0.03                 | -1.66               | -21.1                  | -29.7                   |
| 20,248.0                                     | 88.59      | 178.36               | 10,661.6      | -8,995.7      | -155.4        | 2.03                | -1.98                | -0.47               | -20.4                  | -28.3                   |
| 20,338.0                                     | 87.79      | 178.50               | 10,664.5      | -9,085.7      | -152.9        | 0.90                | -0.89                | 0.16                | -17.7                  | -26.7                   |
| 20,429.0                                     | 91.64      | 178.92               | 10,664.9      | -9,176.6      | -150.8        | 4.26                | 4.23                 | 0.46                | -17.4                  | -25.5                   |
| 20,519.0                                     | 91.68      | 177.87               | 10,662.3      | -9,266.6      | -148.3        | 1.17                | 0.04                 | -1.17               | -20.1                  | -23.9                   |
| 20,609.0                                     | 88.46      | 175.28               | 10,662.2      | -9,356.4      | -143.0        | 4.59                | -3.58                | -2.88               | -20.4                  | -19.3                   |
| 20,700.0                                     | 87.62      | 174.05               | 10,665.3      | -9,446.9      | -134.5        | 1.64                | -0.92                | -1.35               | -17.4                  | -11.8                   |
| 20,790.0                                     | 87.65      | 173.46               | 10,669.0      | -9,536.3      | -124.7        | 0.66                | 0.03                 | -0.66               | -13.8                  | -2.8                    |
| 20,807.0                                     | 86.91      | 173.43               | 10,669.9      | -9,553.2      | -122.8        | 4.36                | -4.35                | -0.18               | -13.0                  | -1.0                    |
| <b>Final MWD Survey (MD=20807.0')</b>        |            |                      |               |               |               |                     |                      |                     |                        |                         |
| 20,871.0                                     | 86.91      | 173.43               | 10,673.3      | -9,616.7      | -115.5        | 0.00                | 0.00                 | 0.00                | -9.7                   | 5.6                     |
| <b>Final Projection to Bit (MD=20871.0')</b> |            |                      |               |               |               |                     |                      |                     |                        |                         |

| Design Annotations          |                             |                   |                 |                                                                            |
|-----------------------------|-----------------------------|-------------------|-----------------|----------------------------------------------------------------------------|
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Local Coordinates |                 | Comment                                                                    |
|                             |                             | +N/-S<br>(usft)   | +E/-W<br>(usft) |                                                                            |
| 10,165.0                    | 10,086.2                    | 749.9             | -236.2          | KOP (MD=10165.0')                                                          |
| 10,359.4                    | 10,277.1                    | 717.7             | -233.3          | HL Crossing, MD:10359.4', TVD:10277.1', N/S:717.7', E/W:-233.3', INC:17.65 |
| 20,807.0                    | 10,669.9                    | -9,553.2          | -122.8          | Final MWD Survey (MD=20807.0')                                             |
| 20,871.0                    | 10,673.3                    | -9,616.7          | -115.5          | Final Projection to Bit (MD=20871.0')                                      |



Final PVA

|                  |                             |                                     |                                 |
|------------------|-----------------------------|-------------------------------------|---------------------------------|
| <b>Company:</b>  | Midland                     | <b>Local Co-ordinate Reference:</b> | Well #403H                      |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>TVD Reference:</b>               | kb = 25' @ 3479.0usft (H&P 389) |
| <b>Site:</b>     | Peregrine 27 Fed Com        | <b>MD Reference:</b>                | kb = 25' @ 3479.0usft (H&P 389) |
| <b>Well:</b>     | #403H                       | <b>North Reference:</b>             | Grid                            |
| <b>Wellbore:</b> | OH                          | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Design:</b>   | OH                          | <b>Database:</b>                    | PEDM                            |

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

I CERTIFY THIS SURVEY TO BE TRUE AND CORRECT TO THE BEST OF MY BELIEF AND KNOWLEDGE  
KAY MADDOX 8/08/2022

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><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>PEREGRINE 27 FEDERAL COM</b> |          |               |
|                                                                                                                                                                                                                                                                                                                                                                                           |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                             |                                | 6. Well Number:<br><br><b>403H</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>RED HILLS; BONE SPRING, EAST    |                                |                                                                         |          |               |
| 12. Location                                                                                                                                                                                                                                                                                                                                                                              | Unit Ltr                                   | Section                                                                                                                                                                               | Township                                                      | Range                    | Lot                                         | Feet from the                                               | N/S Line                       | Feet from the                                                           | E/W Line | County        |
| <b>Surface:</b>                                                                                                                                                                                                                                                                                                                                                                           | K                                          | 27                                                                                                                                                                                    | 24S                                                           | 34E                      |                                             | 1820                                                        | SOUTH                          | 2127                                                                    | WEST     | LEA           |
| <b>BH:</b>                                                                                                                                                                                                                                                                                                                                                                                | F                                          | 3                                                                                                                                                                                     | 25S                                                           | 34E                      |                                             | 2518                                                        | NORTH                          | 1920                                                                    | WEST     | LEA           |
| 13. Date Spudded<br><b>03/26/2022</b>                                                                                                                                                                                                                                                                                                                                                     | 14. Date T.D. Reached<br><b>05/20/2022</b> |                                                                                                                                                                                       | 15. Date Rig Released<br><b>05/21/2022</b>                    |                          |                                             | 16. Date Completed (Ready to Produce)<br><b>08/07/2022</b>  |                                | 17. Elevations (DF and RKB, RT, GR, etc.) <b>3454' GR</b>               |          |               |
| 18. Total Measured Depth of Well<br><b>MD 20,871' TVD 10,673'</b>                                                                                                                                                                                                                                                                                                                         |                                            |                                                                                                                                                                                       | 19. Plug Back Measured Depth<br><b>MD 20,847' TVD 10,673'</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>BONE SPRING 10,732 - 20,847'</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 |
| 13 3/8"                                                                                                                                                                                                                                                                                                                                                                                   |                                            | 54.5# J-55                                                                                                                                                                            |                                                               | 1202'                    |                                             | 16"                                                         |                                | 815 CL C/CIRC                                                           |          |               |
| 9 5/8"                                                                                                                                                                                                                                                                                                                                                                                    |                                            | 40# ECP 110                                                                                                                                                                           |                                                               | 5374'                    |                                             | 12 1/4"                                                     |                                | 1490 CL C/CIRC                                                          |          |               |
| 5 1/2"                                                                                                                                                                                                                                                                                                                                                                                    |                                            | 20# HCP 110                                                                                                                                                                           |                                                               | 20,853'                  |                                             | 8 3/4"                                                      |                                | 3680 CL C & H TOC 1890                                                  |          | 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>10,732 -20,847'      3 1/8"   2346 shots</b>                                                                                                                                                                                                                                                                                |                                            |                                                                                                                                                                                       |                                                               |                          |                                             | 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.             |                                |                                                                         |          |               |
|                                                                                                                                                                                                                                                                                                                                                                                           |                                            |                                                                                                                                                                                       |                                                               |                          |                                             | DEPTH INTERVAL                                              |                                | AMOUNT AND KIND MATERIAL USED                                           |          |               |
|                                                                                                                                                                                                                                                                                                                                                                                           |                                            |                                                                                                                                                                                       |                                                               |                          |                                             | 10,732 - 20,847'                                            |                                | FRAC W/25,255,406 lbs proppant, 464,485 bbls load fld                   |          |               |
|                                                                                                                                                                                                                                                                                                                                                                                           |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                             |                                |                                                                         |          |               |
| <b>28. PRODUCTION</b>                                                                                                                                                                                                                                                                                                                                                                     |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                             |                                |                                                                         |          |               |
| Date First Production<br><b>08/07/2022</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>08/15/2022</b>                                                                                                                                                                                                                                                                                                                                                         | Hours Tested<br><b>24</b>                  | Choke Size<br><b>90</b>                                                                                                                                                               | Prod'n For Test Period                                        | Oil - Bbl<br><b>2989</b> | Gas - MCF<br><b>4640</b>                    | Water - Bbl.<br><b>5327</b>                                 | Gas - Oil Ratio<br><b>1552</b> |                                                                         |          |               |
| Flow Tubing Press.                                                                                                                                                                                                                                                                                                                                                                        | Casing Pressure<br><b>761</b>              | Calculated 24-Hour Rate                                                                                                                                                               | Oil - Bbl.                                                    | Gas - MCF                | Water - Bbl.                                | Oil Gravity - API - ( <i>Corr.</i> )<br><b>44</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, C-103, 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:<br><div style="display: flex; justify-content: space-between;"><span>Latitude _____</span><span>Longitude _____</span><span>NAD 1927 1983 _____</span></div>                                                                                                                              |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                             |                                |                                                                         |          |               |
| 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>08/17/2022</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 1060'   | T. Canyon Brushy 7960' | T. Ojo Alamo            | T. Penn A "      |
| T. Salt 1620'           | T. Strawn              | T. Kirtland             | T. Penn. "B"     |
| B. Salt 5145'           | 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 10,300' | T. Entrada              |                  |
| T. Wolfcamp             | T.                     | T. Wingate              |                  |
| T. Penn                 | T.                     | 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 134957

ACKNOWLEDGMENTS

|                                                                             |                                                    |
|-----------------------------------------------------------------------------|----------------------------------------------------|
| Operator:<br>EOG RESOURCES INC<br>5509 Champions Drive<br>Midland, TX 79706 | OGRID:<br>7377                                     |
|                                                                             | Action Number:<br>134957                           |
|                                                                             | 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  
<https://www.emnrd.nm.gov/oed/contact-us>

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

CONDITIONS

Action 134957

CONDITIONS

|                                                                             |                                                    |
|-----------------------------------------------------------------------------|----------------------------------------------------|
| Operator:<br>EOG RESOURCES INC<br>5509 Champions Drive<br>Midland, TX 79706 | OGRID:<br>7377                                     |
|                                                                             | Action Number:<br>134957                           |
|                                                                             | Action Type:<br>[C-104] Completion Packet (C-104C) |

CONDITIONS

| Created By     | Condition | Condition Date |
|----------------|-----------|----------------|
| crystal.walker | None      | 10/17/2025     |