

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

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE MINERAL AUTHORIZATION TO TRANSPORT

|                                                                                                    |                                                                 |                                                                      |                                  |
|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------|----------------------------------|
| <sup>1</sup> Operator name and Address<br>EOG RESOURCES INC<br>PO BOX 2267<br>MIDLAND, TEXAS 79702 |                                                                 | <sup>2</sup> OGRID Number<br>7377                                    |                                  |
|                                                                                                    |                                                                 | <sup>3</sup> Reason for Filing Code/ Effective Date<br>NW 04/24/2022 |                                  |
| <sup>4</sup> API Number<br>30 - 025-47598                                                          | <sup>5</sup> Pool Name<br>WC025 G08 S253235G; LOWER BONE SPRING |                                                                      | <sup>6</sup> Pool Code<br>97903  |
| <sup>7</sup> Property Code<br>329310                                                               | <sup>8</sup> Property Name<br>RESOLUTE 12 FEDERAL COM           |                                                                      | <sup>9</sup> Well Number<br>503H |

II. <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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| M             | 12      | 25S      | 32E   |         | 833'          | SOUTH            | 1249'         | WEST           | LEA    |

<sup>11</sup> Bottom Hole Location

| UL or lot no.          | Section                                        | Township                          | Range                             | Lot Idn | Feet from the                      | North/South line | Feet from the                       | East/West line | County |
|------------------------|------------------------------------------------|-----------------------------------|-----------------------------------|---------|------------------------------------|------------------|-------------------------------------|----------------|--------|
| D                      | 1                                              | 25S                               | 32E                               |         | 110'                               | NORTH            | 1147'                               | WEST           | 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>12/23/2021 | <sup>22</sup> Ready Date<br>04/24/2022 | <sup>23</sup> TD<br>21,121'        | <sup>24</sup> PBTD<br>21,066' | <sup>25</sup> Perforations<br>11,040-21,066 | <sup>26</sup> DHC, MC       |
| <sup>27</sup> Hole Size               |                                        | <sup>28</sup> Casing & Tubing Size | <sup>29</sup> Depth Set       |                                             | <sup>30</sup> Sacks Cement  |
| 17 1/2"                               |                                        | 13 3/8"                            | 1049'                         |                                             | 1030 SXS CL C/CIRC          |
| 12 1/4"                               |                                        | 9 5/8"                             | 4794'                         |                                             | 2045 SXS CL C/CIRC          |
| 8 1/2"                                |                                        | 5 1/2"                             | 21,075'                       |                                             | 3445 SXS CL H TOC 1195' CBL |
|                                       |                                        |                                    |                               |                                             |                             |

V. Well Test Data

|                                          |                                               |                                       |                                     |                             |                                     |
|------------------------------------------|-----------------------------------------------|---------------------------------------|-------------------------------------|-----------------------------|-------------------------------------|
| <sup>31</sup> Date New Oil<br>04/24/2022 | <sup>32</sup> Gas Delivery Date<br>04/24/2022 | <sup>33</sup> Test Date<br>05/04/2022 | <sup>34</sup> Test Length<br>24 HRS | <sup>35</sup> Tbg. Pressure | <sup>36</sup> Csg. Pressure<br>1129 |
| <sup>37</sup> Choke Size<br>64           | <sup>38</sup> Oil<br>2857                     | <sup>39</sup> Water<br>8523           | <sup>40</sup> Gas<br>4075           |                             | <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<br>Printed name:<br>Kay Maddox<br>Title:<br>SENIOR REGULATORY SPECIALIST<br>E-mail Address:<br>kay_maddox@eogresources.com<br>Date:<br>05/19/2022 | Phone:<br>432-638-8475 | OIL CONSERVATION DIVISION |  |
|                                                                                                                                                                                                                                                                                                                                                                                        | Approved by:           |                           |  |
|                                                                                                                                                                                                                                                                                                                                                                                        | Title:                 |                           |  |
|                                                                                                                                                                                                                                                                                                                                                                                        | Approval Date:         |                           |  |
|                                                                                                                                                                                                                                                                                                                                                                                        |                        |                           |  |

District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
District II  
811 S. First St., Artesia, NM 88210  
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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- 47598</b> | <sup>2</sup> Pool Code<br><b>97903</b>                   | <sup>3</sup> Pool Name<br><b>WC025 G08 S253235G; LOWER BONE SPRING</b> |
| <sup>4</sup> Property Code<br><b>329310</b>     | <sup>5</sup> Property Name<br><b>RESOLUTE 12 FED COM</b> |                                                                        |
| <sup>7</sup> OGRID No.<br><b>7377</b>           | <sup>8</sup> Operator Name<br><b>EOG RESOURCES, INC.</b> | <sup>6</sup> Well Number<br><b>503H</b>                                |
|                                                 |                                                          | <sup>9</sup> Elevation<br><b>3489'</b>                                 |

<sup>10</sup>Surface Location

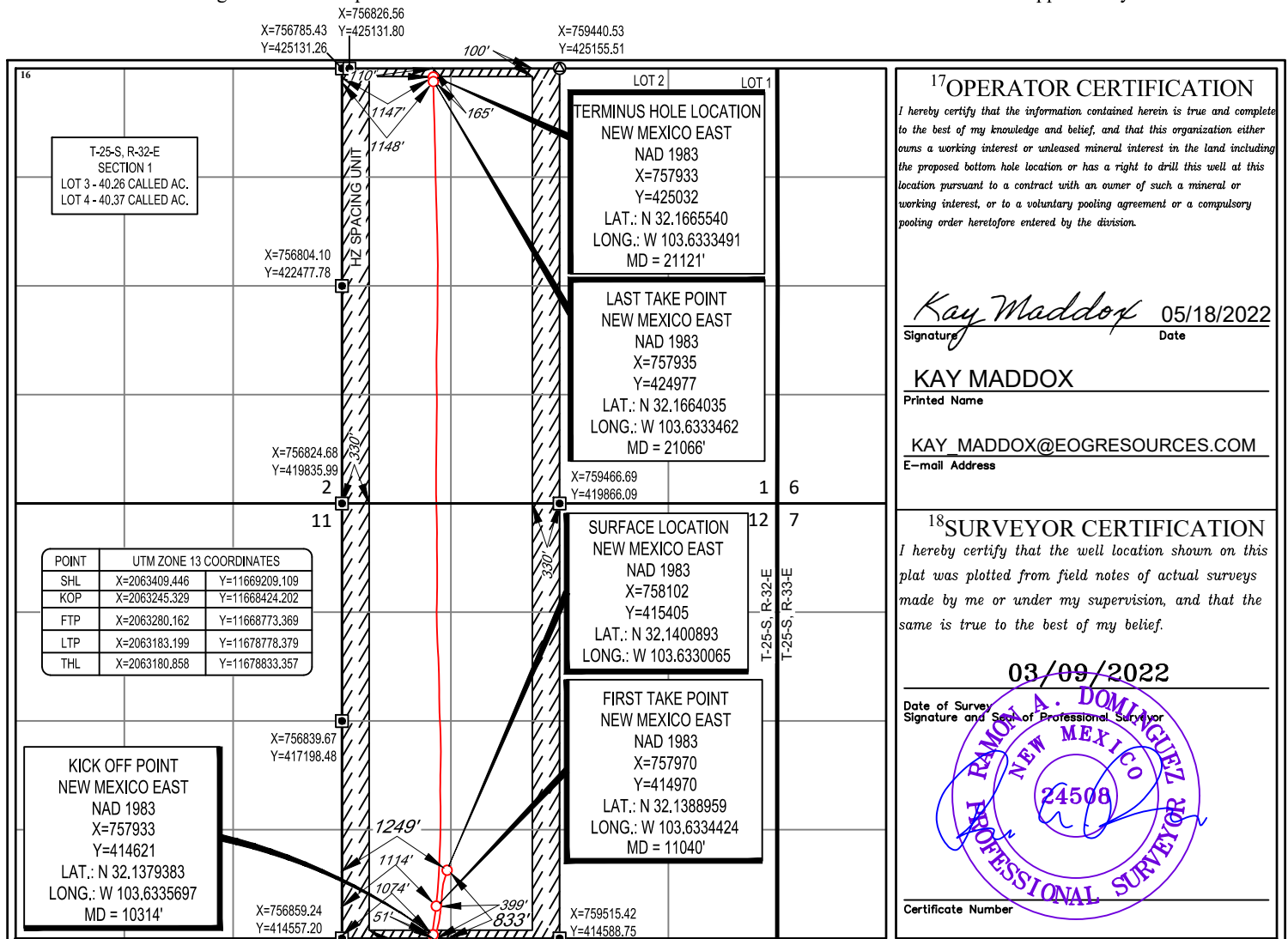
| UL or lot no. | Section   | Township    | Range       | Lot Idn  | Feet from the | North/South line | Feet from the | East/West line | County     |
|---------------|-----------|-------------|-------------|----------|---------------|------------------|---------------|----------------|------------|
| <b>M</b>      | <b>12</b> | <b>25-S</b> | <b>32-E</b> | <b>-</b> | <b>833'</b>   | <b>SOUTH</b>     | <b>1249'</b>  | <b>WEST</b>    | <b>LEA</b> |

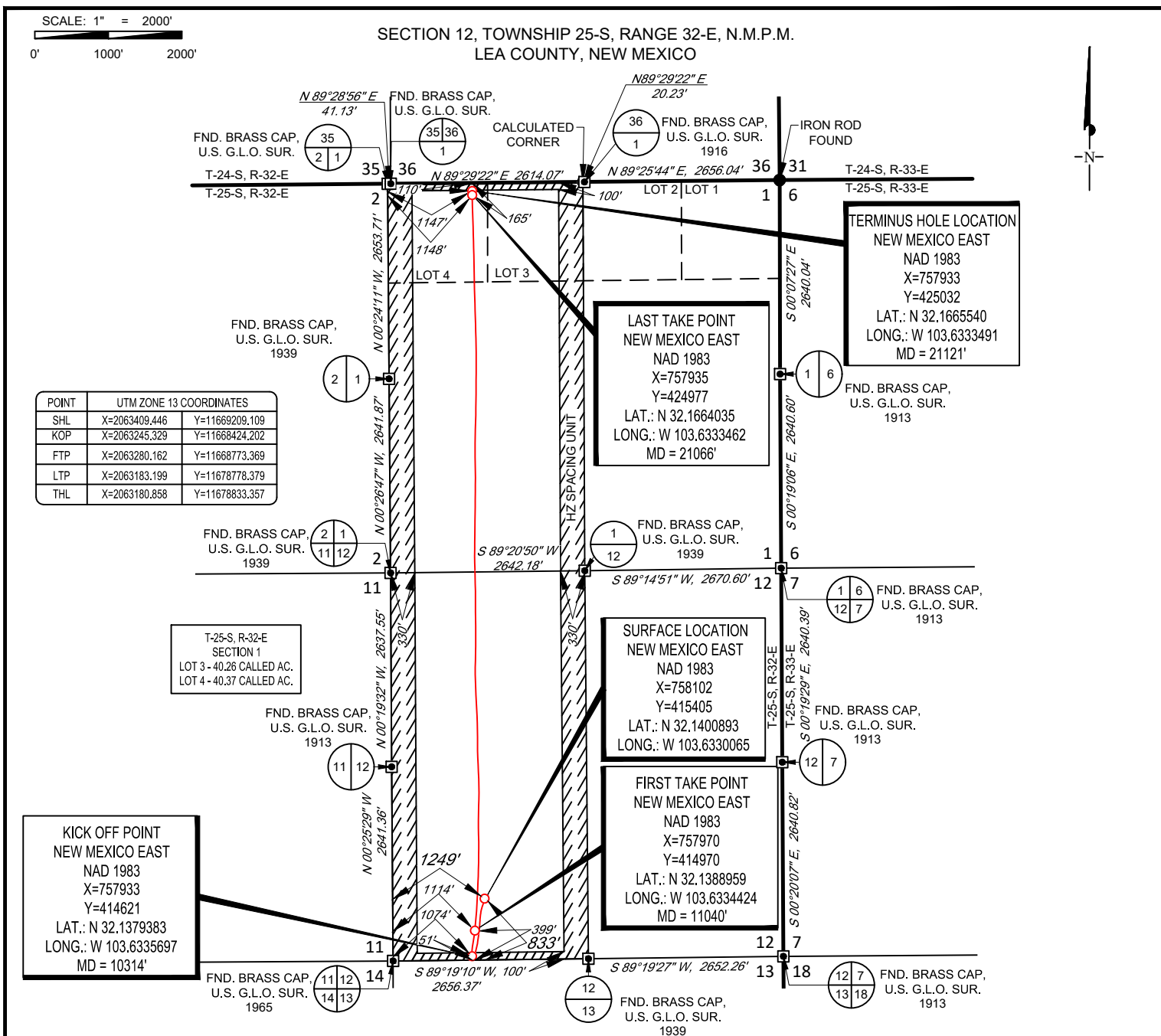
<sup>11</sup>Bottom Hole Location If Different From Surface

| UL or lot no. | Section  | Township    | Range       | Lot Idn  | Feet from the | North/South line | Feet from the | East/West line | County     |
|---------------|----------|-------------|-------------|----------|---------------|------------------|---------------|----------------|------------|
| <b>4</b>      | <b>1</b> | <b>25-S</b> | <b>32-E</b> | <b>-</b> | <b>110'</b>   | <b>NORTH</b>     | <b>1147'</b>  | <b>WEST</b>    | <b>LEA</b> |

|                                                |                               |                                  |                         |
|------------------------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres<br><b>640.63</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.





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

**eoog resources, inc.**



Ramon A. Dominguez, P.S. No. 24508  
April 15, 2022

RESOLUTE 12 FED COM  
503H  
AS-DRILLED

REVISION:

DATE: 04/13/2022

FILE:AD\_RESOLUTE\_12\_FED\_COM\_503H

DRAWN BY: A.V.F.

SHEET: 2 OF 2

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.



## Midland

Lea County, NM (NAD 83 NME)

Resolute 12 Fed Com

#503H

OH

Design: OH

## Final PVA

05 March, 2022



## Final PVA

|                  |                             |                                     |                       |
|------------------|-----------------------------|-------------------------------------|-----------------------|
| <b>Company:</b>  | Midland                     | <b>Local Co-ordinate Reference:</b> | Well #503H            |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>TVD Reference:</b>               | KB = 26' @ 3515.0usft |
| <b>Site:</b>     | Resolute 12 Fed Com         | <b>MD Reference:</b>                | KB = 26' @ 3515.0usft |
| <b>Well:</b>     | #503H                       | <b>North Reference:</b>             | Grid                  |
| <b>Wellbore:</b> | OH                          | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Design:</b>   | OH                          | <b>Database:</b>                    | PEDM                  |

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

|                              |                     |                     |                 |                          |                   |
|------------------------------|---------------------|---------------------|-----------------|--------------------------|-------------------|
| <b>Site</b>                  | Resolute 12 Fed Com |                     |                 |                          |                   |
| <b>Site Position:</b>        |                     | <b>Northing:</b>    | 414,863.00 usft | <b>Latitude:</b>         | 32° 8' 18.736 N   |
| <b>From:</b>                 | Map                 | <b>Easting:</b>     | 761,539.00 usft | <b>Longitude:</b>        | 103° 37' 18.893 W |
| <b>Position Uncertainty:</b> | 0.0 usft            | <b>Slot Radius:</b> | 13-3/16 "       | <b>Grid Convergence:</b> | 0.38 °            |

|                             |              |          |                            |                 |                      |                   |
|-----------------------------|--------------|----------|----------------------------|-----------------|----------------------|-------------------|
| <b>Well</b>                 | #503H        |          |                            |                 |                      |                   |
| <b>Well Position</b>        | <b>+N/-S</b> | 0.0 usft | <b>Northing:</b>           | 415,405.00 usft | <b>Latitude:</b>     | 32° 8' 24.323 N   |
|                             | <b>+E/-W</b> | 0.0 usft | <b>Easting:</b>            | 758,102.00 usft | <b>Longitude:</b>    | 103° 37' 58.824 W |
| <b>Position Uncertainty</b> | 0.0 usft     |          | <b>Wellhead Elevation:</b> | usft            | <b>Ground Level:</b> | 3,489.0 usft      |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | OH                |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2020          | 1/3/2022           | 6.50                   | 59.80                | 47,379.98288497            |

|                          |                                |                     |                     |                      |     |
|--------------------------|--------------------------------|---------------------|---------------------|----------------------|-----|
| <b>Design</b>            | OH                             |                     |                     |                      |     |
| <b>Audit Notes:</b>      |                                |                     |                     |                      |     |
| <b>Version:</b>          | 1.0                            | <b>Phase:</b>       | ACTUAL              | <b>Tie On Depth:</b> | 0.0 |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Direction (°)</b> |     |
|                          | 0.0                            | 0.0                 | 0.0                 | 359.00               |     |

|                       |                  |                          |                  |                    |  |
|-----------------------|------------------|--------------------------|------------------|--------------------|--|
| <b>Survey Program</b> | <b>Date</b>      | 3/5/2022                 |                  |                    |  |
| <b>From (usft)</b>    | <b>To (usft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b> | <b>Description</b> |  |
| 191.0                 | 21,121.0         | Altitude MWD (OH)        | EOG MWD+IFR1     | MWD + IFR1         |  |



## Final PVA

|                  |                             |                                     |                       |
|------------------|-----------------------------|-------------------------------------|-----------------------|
| <b>Company:</b>  | Midland                     | <b>Local Co-ordinate Reference:</b> | Well #503H            |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>TVD Reference:</b>               | KB = 26' @ 3515.0usft |
| <b>Site:</b>     | Resolute 12 Fed Com         | <b>MD Reference:</b>                | KB = 26' @ 3515.0usft |
| <b>Well:</b>     | #503H                       | <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                     |  |
| 191.0        | 0.70       | 157.12               | 191.0         | -1.1          | 0.5           | 0.37                | 0.37                 | 0.00                | -1.2                   | 0.0                     |  |
| 373.0        | 0.72       | 147.04               | 373.0         | -3.1          | 1.5           | 0.07                | 0.01                 | -5.54               | -3.4                   | -0.4                    |  |
| 554.0        | 0.56       | 165.79               | 554.0         | -4.9          | 2.3           | 0.14                | -0.09                | 10.36               | -5.3                   | 1.1                     |  |
| 683.0        | 0.47       | 173.66               | 683.0         | -6.0          | 2.6           | 0.09                | -0.07                | 6.10                | -6.3                   | 1.9                     |  |
| 777.0        | 0.77       | 157.94               | 777.0         | -7.0          | 2.8           | 0.36                | 0.32                 | -16.72              | -7.5                   | 0.0                     |  |
| 872.0        | 0.32       | 148.03               | 872.0         | -7.8          | 3.2           | 0.48                | -0.47                | -10.43              | -8.3                   | -1.4                    |  |
| 997.0        | 0.55       | 127.80               | 997.0         | -8.5          | 3.9           | 0.22                | 0.18                 | -16.18              | -8.2                   | -4.3                    |  |
| 1,156.0      | 0.83       | 112.22               | 1,155.9       | -9.4          | 5.5           | 0.21                | 0.18                 | -9.80               | -8.7                   | -6.6                    |  |
| 1,251.0      | 1.15       | 154.05               | 1,250.9       | -10.5         | 6.6           | 0.81                | 0.34                 | 44.03               | -11.9                  | 1.6                     |  |
| 1,346.0      | 1.92       | 174.45               | 1,345.9       | -12.9         | 7.2           | 0.98                | 0.81                 | 21.47               | -10.0                  | 6.9                     |  |
| 1,441.0      | 2.38       | 194.82               | 1,440.8       | -16.4         | 6.8           | 0.93                | 0.48                 | 21.44               | -4.0                   | 10.1                    |  |
| 1,535.0      | 4.14       | 207.21               | 1,534.7       | -21.3         | 4.8           | 2.01                | 1.87                 | 13.18               | 2.0                    | 8.5                     |  |
| 1,630.0      | 6.15       | 208.28               | 1,629.3       | -28.8         | 0.8           | 2.12                | 2.12                 | 1.13                | 5.8                    | 4.7                     |  |
| 1,725.0      | 7.62       | 209.38               | 1,723.6       | -38.8         | -4.7          | 1.55                | 1.55                 | 1.16                | 9.1                    | -0.2                    |  |
| 1,820.0      | 8.04       | 202.87               | 1,817.7       | -50.4         | -10.4         | 1.03                | 0.44                 | -6.85               | 11.5                   | -3.2                    |  |
| 1,914.0      | 8.66       | 198.98               | 1,910.7       | -63.2         | -15.2         | 0.89                | 0.66                 | -4.14               | 13.4                   | -5.0                    |  |
| 2,009.0      | 8.43       | 199.56               | 2,004.7       | -76.5         | -19.9         | 0.26                | -0.24                | 0.61                | 14.8                   | -7.5                    |  |
| 2,104.0      | 9.28       | 196.93               | 2,098.5       | -90.4         | -24.5         | 0.99                | 0.89                 | -2.77               | 16.1                   | -8.8                    |  |
| 2,199.0      | 9.79       | 197.75               | 2,192.2       | -105.4        | -29.2         | 0.56                | 0.54                 | 0.86                | 15.8                   | -10.8                   |  |
| 2,293.0      | 9.49       | 196.33               | 2,284.9       | -120.5        | -33.8         | 0.41                | -0.32                | -1.51               | 15.8                   | -12.1                   |  |
| 2,388.0      | 9.33       | 196.47               | 2,378.6       | -135.4        | -38.2         | 0.17                | -0.17                | 0.15                | 15.8                   | -13.6                   |  |
| 2,483.0      | 9.17       | 196.70               | 2,472.4       | -150.0        | -42.5         | 0.17                | -0.17                | 0.24                | 16.1                   | -15.3                   |  |
| 2,578.0      | 9.99       | 190.98               | 2,566.1       | -165.3        | -46.3         | 1.32                | 0.86                 | -6.02               | 17.4                   | -14.4                   |  |
| 2,673.0      | 11.55      | 187.24               | 2,659.4       | -182.9        | -49.0         | 1.80                | 1.64                 | -3.94               | 16.2                   | -12.8                   |  |
| 2,768.0      | 11.04      | 187.22               | 2,752.5       | -201.3        | -51.4         | 0.54                | -0.54                | -0.02               | 13.2                   | -11.8                   |  |
| 2,862.0      | 10.61      | 187.54               | 2,844.9       | -218.8        | -53.6         | 0.46                | -0.46                | 0.34                | 11.0                   | -11.0                   |  |

|                  |                             |                                     |                       |
|------------------|-----------------------------|-------------------------------------|-----------------------|
| <b>Company:</b>  | Midland                     | <b>Local Co-ordinate Reference:</b> | Well #503H            |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>TVD Reference:</b>               | KB = 26' @ 3515.0usft |
| <b>Site:</b>     | Resolute 12 Fed Com         | <b>MD Reference:</b>                | KB = 26' @ 3515.0usft |
| <b>Well:</b>     | #503H                       | <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) |
| 3,051.0      | 9.55       | 186.07               | 3,030.9       | -251.7        | -57.6         | 0.58                | -0.56                | -0.78               | 9.2                    | -8.5                    |
| 3,146.0      | 9.23       | 185.12               | 3,124.7       | -267.1        | -59.1         | 0.37                | -0.34                | -1.00               | 9.5                    | -6.9                    |
| 3,240.0      | 9.43       | 182.90               | 3,217.4       | -282.3        | -60.2         | 0.44                | 0.21                 | -2.36               | 9.9                    | -4.7                    |
| 3,335.0      | 11.54      | 184.11               | 3,310.8       | -299.5        | -61.2         | 2.23                | 2.22                 | 1.27                | 8.0                    | -2.9                    |
| 3,430.0      | 11.32      | 183.90               | 3,404.0       | -318.3        | -62.5         | 0.24                | -0.23                | -0.22               | 4.7                    | -1.1                    |
| 3,525.0      | 10.87      | 183.85               | 3,497.2       | -336.6        | -63.8         | 0.47                | -0.47                | -0.05               | 2.0                    | 0.9                     |
| 3,619.0      | 10.09      | 184.19               | 3,589.6       | -353.6        | -65.0         | 0.83                | -0.83                | 0.36                | 0.3                    | 2.7                     |
| 3,809.0      | 9.41       | 182.28               | 3,776.9       | -385.7        | -66.8         | 0.40                | -0.36                | -1.01               | -1.0                   | 6.8                     |
| 3,904.0      | 9.89       | 185.51               | 3,870.5       | -401.6        | -67.9         | 0.76                | 0.51                 | 3.40                | -0.9                   | 8.7                     |
| 3,998.0      | 8.83       | 185.40               | 3,963.3       | -416.8        | -69.4         | 1.13                | -1.13                | -0.12               | -0.7                   | 10.2                    |
| 4,093.0      | 9.52       | 190.31               | 4,057.1       | -431.8        | -71.4         | 1.10                | 0.73                 | 5.17                | 0.7                    | 11.0                    |
| 4,188.0      | 9.96       | 192.88               | 4,150.7       | -447.6        | -74.7         | 0.65                | 0.46                 | 2.71                | 0.8                    | 10.7                    |
| 4,283.0      | 9.71       | 185.03               | 4,244.3       | -463.6        | -77.2         | 1.43                | -0.26                | -8.26               | -1.2                   | 11.2                    |
| 4,378.0      | 8.98       | 186.34               | 4,338.0       | -478.9        | -78.7         | 0.80                | -0.77                | 1.38                | -0.8                   | 12.6                    |
| 4,567.0      | 9.98       | 184.74               | 4,524.4       | -509.9        | -81.7         | 0.55                | 0.53                 | -0.85               | -1.2                   | 15.5                    |
| 4,662.0      | 10.73      | 189.17               | 4,617.9       | -526.8        | -83.8         | 1.15                | 0.79                 | 4.66                | -1.4                   | 16.6                    |
| 4,742.0      | 9.91       | 188.80               | 4,696.6       | -541.0        | -86.1         | 1.03                | -1.02                | -0.46               | -2.7                   | 17.1                    |
| 4,855.0      | 8.88       | 187.15               | 4,808.1       | -559.2        | -88.6         | 0.94                | -0.91                | -1.46               | -3.0                   | 17.9                    |
| 4,950.0      | 8.16       | 187.75               | 4,902.0       | -573.2        | -90.4         | 0.76                | -0.76                | 0.63                | -1.2                   | 18.8                    |
| 5,044.0      | 8.06       | 185.36               | 4,995.1       | -586.4        | -92.0         | 0.37                | -0.11                | -2.54               | 0.3                    | 20.0                    |
| 5,234.0      | 10.13      | 190.85               | 5,182.7       | -616.0        | -96.4         | 1.18                | 1.09                 | 2.89                | 3.6                    | 21.1                    |
| 5,329.0      | 11.68      | 194.26               | 5,276.0       | -633.6        | -100.3        | 1.77                | 1.63                 | 3.59                | 2.5                    | 20.4                    |
| 5,424.0      | 11.92      | 194.24               | 5,369.0       | -652.4        | -105.1        | 0.25                | 0.25                 | -0.02               | -1.4                   | 19.5                    |
| 5,519.0      | 12.48      | 192.15               | 5,461.8       | -671.9        | -109.6        | 0.75                | 0.59                 | -2.20               | -6.5                   | 18.7                    |
| 5,614.0      | 13.48      | 191.62               | 5,554.4       | -692.8        | -114.0        | 1.06                | 1.05                 | -0.56               | -12.5                  | 18.4                    |
| 5,709.0      | 13.28      | 192.78               | 5,646.8       | -714.3        | -118.7        | 0.35                | -0.21                | 1.22                | -18.5                  | 18.3                    |
| 5,804.0      | 12.59      | 192.01               | 5,739.4       | -735.1        | -123.3        | 0.75                | -0.73                | -0.81               | -24.5                  | 17.6                    |



## Final PVA

|                  |                             |                                     |                       |
|------------------|-----------------------------|-------------------------------------|-----------------------|
| <b>Company:</b>  | Midland                     | <b>Local Co-ordinate Reference:</b> | Well #503H            |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>TVD Reference:</b>               | KB = 26' @ 3515.0usft |
| <b>Site:</b>     | Resolute 12 Fed Com         | <b>MD Reference:</b>                | KB = 26' @ 3515.0usft |
| <b>Well:</b>     | #503H                       | <b>North Reference:</b>             | Grid                  |
| <b>Wellbore:</b> | OH                          | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Design:</b>   | OH                          | <b>Database:</b>                    | PEDM                  |

| Survey       |            |                      |               |               |               |                     |                      |                     |                        |                         |
|--------------|------------|----------------------|---------------|---------------|---------------|---------------------|----------------------|---------------------|------------------------|-------------------------|
| MD<br>(usft) | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | DLeg<br>(°/100usft) | Build<br>(°/100usft) | Turn<br>(°/100usft) | High to Plan<br>(usft) | Right to Plan<br>(usft) |
| 5,898.0      | 12.64      | 189.11               | 5,831.1       | -755.3        | -127.0        | 0.68                | 0.05                 | -3.09               | -30.4                  | 16.3                    |
| 5,994.0      | 10.73      | 175.84               | 5,925.2       | -774.5        | -128.0        | 3.42                | -1.99                | -13.82              | -37.2                  | 10.6                    |
| 6,183.0      | 6.56       | 182.85               | 6,112.0       | -802.9        | -127.3        | 2.27                | -2.21                | 3.71                | -36.7                  | 21.0                    |
| 6,374.0      | 1.89       | 155.62               | 6,302.4       | -816.7        | -126.5        | 2.59                | -2.45                | -14.26              | -42.3                  | 5.9                     |
| 6,468.0      | 0.84       | 108.00               | 6,396.4       | -818.3        | -125.2        | 1.56                | -1.12                | -50.66              | -34.2                  | -25.4                   |
| 6,658.0      | 1.72       | 31.03                | 6,586.4       | -816.3        | -122.4        | 0.91                | 0.46                 | -40.51              | 13.4                   | -40.3                   |
| 6,753.0      | 2.64       | 2.59                 | 6,681.3       | -812.9        | -121.6        | 1.47                | 0.97                 | -29.94              | 27.5                   | -29.7                   |
| 6,848.0      | 2.75       | 4.16                 | 6,776.2       | -808.4        | -121.3        | 0.14                | 0.12                 | 1.65                | 22.2                   | -30.4                   |
| 6,942.0      | 2.54       | 354.17               | 6,870.1       | -804.1        | -121.4        | 0.54                | -0.22                | -10.63              | 22.9                   | -26.4                   |
| 7,037.0      | 2.10       | 346.88               | 6,965.0       | -800.3        | -122.0        | 0.56                | -0.46                | -7.67               | 22.2                   | -23.6                   |
| 7,132.0      | 2.37       | 349.26               | 7,059.9       | -796.7        | -122.8        | 0.30                | 0.28                 | 2.51                | 17.5                   | -24.4                   |
| 7,226.0      | 1.85       | 341.84               | 7,153.9       | -793.3        | -123.6        | 0.62                | -0.55                | -7.89               | 17.1                   | -22.2                   |
| 7,320.0      | 2.29       | 342.94               | 7,247.8       | -790.1        | -124.6        | 0.47                | 0.47                 | 1.17                | 13.3                   | -22.5                   |
| 7,415.0      | 2.52       | 334.28               | 7,342.7       | -786.4        | -126.1        | 0.45                | 0.24                 | -9.12               | 12.5                   | -20.5                   |
| 7,510.0      | 1.93       | 325.36               | 7,437.7       | -783.2        | -127.9        | 0.72                | -0.62                | -9.39               | 11.9                   | -18.6                   |
| 7,605.0      | 2.01       | 321.98               | 7,532.6       | -780.6        | -129.8        | 0.15                | 0.08                 | -3.56               | 9.7                    | -18.0                   |
| 7,699.0      | 1.82       | 312.36               | 7,626.6       | -778.3        | -131.9        | 0.40                | -0.20                | -10.23              | 9.5                    | -16.4                   |
| 7,794.0      | 1.43       | 293.67               | 7,721.5       | -776.8        | -134.2        | 0.69                | -0.41                | -19.67              | 11.6                   | -13.0                   |
| 7,889.0      | 1.39       | 287.32               | 7,816.5       | -775.9        | -136.3        | 0.17                | -0.04                | -6.68               | 10.6                   | -11.8                   |
| 7,984.0      | 1.39       | 282.57               | 7,911.5       | -775.4        | -138.6        | 0.12                | 0.00                 | -5.00               | 9.3                    | -10.9                   |
| 8,079.0      | 1.38       | 264.90               | 8,006.4       | -775.2        | -140.8        | 0.45                | -0.01                | -18.60              | 9.9                    | -7.9                    |
| 8,174.0      | 1.51       | 257.90               | 8,101.4       | -775.6        | -143.2        | 0.23                | 0.14                 | -7.37               | 8.4                    | -6.8                    |
| 8,268.0      | 1.70       | 241.16               | 8,195.4       | -776.5        | -145.6        | 0.54                | 0.20                 | -17.81              | 7.5                    | -4.5                    |
| 8,363.0      | 1.67       | 211.19               | 8,290.3       | -778.4        | -147.6        | 0.92                | -0.03                | -31.55              | 6.1                    | -0.8                    |
| 8,458.0      | 2.65       | 117.22               | 8,385.3       | -780.6        | -146.3        | 3.40                | 1.03                 | -98.92              | -1.7                   | 4.7                     |
| 8,552.0      | 3.87       | 109.42               | 8,479.1       | -782.6        | -141.4        | 1.38                | 1.30                 | -8.30               | -7.6                   | 4.2                     |
| 8,647.0      | 3.09       | 114.35               | 8,573.9       | -784.7        | -136.1        | 0.88                | -0.82                | 5.19                | -13.0                  | 5.1                     |



## Final PVA

|                  |                             |                                     |                       |
|------------------|-----------------------------|-------------------------------------|-----------------------|
| <b>Company:</b>  | Midland                     | <b>Local Co-ordinate Reference:</b> | Well #503H            |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>TVD Reference:</b>               | KB = 26' @ 3515.0usft |
| <b>Site:</b>     | Resolute 12 Fed Com         | <b>MD Reference:</b>                | KB = 26' @ 3515.0usft |
| <b>Well:</b>     | #503H                       | <b>North Reference:</b>             | Grid                  |
| <b>Wellbore:</b> | OH                          | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Design:</b>   | OH                          | <b>Database:</b>                    | PEDM                  |

| Survey                                                                              |            |                      |               |               |               |                     |                      |                     |                        |                         |
|-------------------------------------------------------------------------------------|------------|----------------------|---------------|---------------|---------------|---------------------|----------------------|---------------------|------------------------|-------------------------|
| MD<br>(usft)                                                                        | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | DLeg<br>(°/100usft) | Build<br>(°/100usft) | Turn<br>(°/100usft) | High to Plan<br>(usft) | Right to Plan<br>(usft) |
| 8,742.0                                                                             | 2.62       | 122.22               | 8,668.8       | -786.9        | -131.9        | 0.64                | -0.49                | 8.28                | -16.9                  | 7.2                     |
| 8,836.0                                                                             | 2.62       | 133.08               | 8,762.7       | -789.6        | -128.5        | 0.53                | 0.00                 | 11.55               | -19.5                  | 10.6                    |
| 8,931.0                                                                             | 2.00       | 154.11               | 8,857.7       | -792.5        | -126.2        | 1.09                | -0.65                | 22.14               | -18.1                  | 17.7                    |
| 9,025.0                                                                             | 1.44       | 171.12               | 8,951.6       | -795.2        | -125.3        | 0.80                | -0.60                | 18.10               | -14.8                  | 22.7                    |
| 9,120.0                                                                             | 0.82       | 179.72               | 9,046.6       | -797.0        | -125.1        | 0.67                | -0.65                | 9.05                | -13.1                  | 24.8                    |
| 9,215.0                                                                             | 0.48       | 292.04               | 9,141.6       | -797.6        | -125.5        | 1.15                | -0.36                | 118.23              | 27.8                   | 3.4                     |
| 9,309.0                                                                             | 0.86       | 309.60               | 9,235.6       | -797.0        | -126.4        | 0.45                | 0.40                 | 18.68               | 26.5                   | -5.1                    |
| 9,404.0                                                                             | 1.78       | 301.89               | 9,330.6       | -795.7        | -128.2        | 0.98                | 0.97                 | -8.12               | 24.7                   | -1.6                    |
| 9,499.0                                                                             | 2.60       | 296.61               | 9,425.5       | -794.0        | -131.4        | 0.89                | 0.86                 | -5.56               | 21.1                   | 0.6                     |
| 9,594.0                                                                             | 3.20       | 292.28               | 9,520.4       | -792.0        | -135.7        | 0.67                | 0.63                 | -4.56               | 16.2                   | 2.0                     |
| 9,689.0                                                                             | 3.20       | 297.50               | 9,615.2       | -789.8        | -140.5        | 0.31                | 0.00                 | 5.49                | 11.1                   | 0.8                     |
| 9,784.0                                                                             | 3.91       | 305.79               | 9,710.0       | -786.7        | -145.5        | 0.92                | 0.75                 | 8.73                | 5.2                    | -0.5                    |
| 9,879.0                                                                             | 3.07       | 310.84               | 9,804.9       | -783.1        | -150.1        | 0.94                | -0.88                | 5.32                | -0.6                   | -0.6                    |
| 9,973.0                                                                             | 1.81       | 283.37               | 9,898.8       | -781.1        | -153.4        | 1.79                | -1.34                | -29.22              | -4.0                   | -2.0                    |
| 10,068.0                                                                            | 2.52       | 252.18               | 9,993.7       | -781.4        | -156.9        | 1.42                | 0.75                 | -32.83              | -5.7                   | -4.6                    |
| 10,163.0                                                                            | 3.55       | 260.59               | 10,088.6      | -782.5        | -161.8        | 1.18                | 1.08                 | 8.85                | -11.4                  | -3.4                    |
| 10,276.0                                                                            | 2.63       | 258.35               | 10,201.4      | -783.6        | -167.8        | 0.82                | -0.81                | -1.98               | -17.3                  | -4.0                    |
| 10,314.0                                                                            | 1.98       | 282.78               | 10,239.4      | -783.7        | -169.2        | 3.06                | -1.71                | 64.29               | -18.8                  | 3.9                     |
| <b>KOP, MD:10314.0', TVD:10239.4', N/S:-783.7', E/W:-169.2', INC:1.98</b>           |            |                      |               |               |               |                     |                      |                     |                        |                         |
| 10,370.0                                                                            | 2.11       | 332.21               | 10,295.4      | -782.5        | -170.7        | 3.06                | 0.23                 | 88.26               | -10.9                  | 17.6                    |
| 10,465.0                                                                            | 12.77      | 357.84               | 10,389.4      | -770.5        | -171.9        | 11.48               | 11.22                | 26.98               | -12.5                  | 21.7                    |
| 10,560.0                                                                            | 21.37      | 2.74                 | 10,480.2      | -742.6        | -171.5        | 9.17                | 9.05                 | 5.16                | -23.3                  | 24.6                    |
| 10,580.2                                                                            | 22.34      | 3.18                 | 10,498.9      | -735.1        | -171.1        | 4.86                | 4.79                 | 2.16                | -25.5                  | 25.1                    |
| <b>FTP Crossing, MD:10580.2', TVD:10498.9', N/S:-735.1', E/W:-171.1', INC:22.34</b> |            |                      |               |               |               |                     |                      |                     |                        |                         |
| 10,655.0                                                                            | 25.93      | 4.52                 | 10,567.2      | -704.6        | -169.0        | 4.86                | 4.80                 | 1.80                | -30.1                  | 26.8                    |
| 10,750.0                                                                            | 35.20      | 7.95                 | 10,648.9      | -656.7        | -163.6        | 9.93                | 9.76                 | 3.61                | -31.1                  | 28.3                    |
| 10,844.0                                                                            | 47.00      | 9.54                 | 10,719.6      | -595.7        | -154.1        | 12.60               | 12.55                | 1.69                | -33.9                  | 26.2                    |

|                  |                             |                                     |                       |
|------------------|-----------------------------|-------------------------------------|-----------------------|
| <b>Company:</b>  | Midland                     | <b>Local Co-ordinate Reference:</b> | Well #503H            |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>TVD Reference:</b>               | KB = 26' @ 3515.0usft |
| <b>Site:</b>     | Resolute 12 Fed Com         | <b>MD Reference:</b>                | KB = 26' @ 3515.0usft |
| <b>Well:</b>     | #503H                       | <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) |  |
| 10,939.0     | 56.21      | 8.38                 | 10,778.5      | -522.3        | -142.5        | 9.74                | 9.69                 | -1.22               | -38.4                  | 22.3                    |  |
| 11,034.0     | 62.04      | 5.56                 | 10,827.3      | -441.4        | -132.7        | 6.64                | 6.14                 | -2.97               | -38.6                  | 20.5                    |  |
| 11,129.0     | 71.76      | 5.18                 | 10,864.5      | -354.5        | -124.6        | 10.24               | 10.23                | -0.40               | -34.2                  | 22.0                    |  |
| 11,223.0     | 78.67      | 6.39                 | 10,888.5      | -264.1        | -115.4        | 7.46                | 7.35                 | 1.29                | -26.9                  | 23.2                    |  |
| 11,319.0     | 84.66      | 3.38                 | 10,902.4      | -169.5        | -107.3        | 6.97                | 6.24                 | -3.14               | -15.9                  | 24.8                    |  |
| 11,413.0     | 88.98      | 3.22                 | 10,907.6      | -75.8         | -101.9        | 4.60                | 4.60                 | -0.17               | -11.3                  | 23.6                    |  |
| 11,508.0     | 92.26      | 2.92                 | 10,906.6      | 19.0          | -96.8         | 3.47                | 3.45                 | -0.32               | -13.0                  | 18.0                    |  |
| 11,603.0     | 92.40      | 1.63                 | 10,902.7      | 113.9         | -93.1         | 1.36                | 0.15                 | -1.36               | -17.6                  | 13.6                    |  |
| 11,698.0     | 91.11      | 2.84                 | 10,899.8      | 208.7         | -89.4         | 1.86                | -1.36                | 1.27                | -21.2                  | 9.3                     |  |
| 11,793.0     | 90.07      | 2.37                 | 10,898.8      | 303.6         | -85.0         | 1.20                | -1.09                | -0.49               | -22.8                  | 4.3                     |  |
| 11,888.0     | 87.04      | 1.44                 | 10,901.2      | 398.5         | -81.9         | 3.34                | -3.19                | -0.98               | -21.1                  | 0.5                     |  |
| 11,983.0     | 88.22      | 0.95                 | 10,905.1      | 493.4         | -79.9         | 1.34                | 1.24                 | -0.52               | -17.9                  | -2.2                    |  |
| 12,078.0     | 86.90      | 0.62                 | 10,909.2      | 588.3         | -78.6         | 1.43                | -1.39                | -0.35               | -14.5                  | -4.2                    |  |
| 12,172.0     | 87.29      | 0.50                 | 10,913.9      | 682.2         | -77.7         | 0.43                | 0.41                 | -0.13               | -10.4                  | -5.7                    |  |
| 12,267.0     | 88.00      | 358.80               | 10,917.9      | 777.1         | -78.3         | 1.94                | 0.75                 | -1.79               | -7.2                   | -5.8                    |  |
| 12,362.0     | 88.95      | 357.74               | 10,920.4      | 872.1         | -81.1         | 1.50                | 1.00                 | -1.12               | -5.3                   | -3.6                    |  |
| 12,457.0     | 89.45      | 0.24                 | 10,921.7      | 967.0         | -82.8         | 2.68                | 0.53                 | 2.63                | -4.7                   | -2.6                    |  |
| 12,552.0     | 90.27      | 0.58                 | 10,921.9      | 1,062.0       | -82.1         | 0.93                | 0.86                 | 0.36                | -5.1                   | -4.0                    |  |
| 12,646.0     | 88.02      | 1.24                 | 10,923.3      | 1,156.0       | -80.6         | 2.49                | -2.39                | 0.70                | -4.4                   | -6.1                    |  |
| 12,741.0     | 89.87      | 1.29                 | 10,925.1      | 1,250.9       | -78.5         | 1.95                | 1.95                 | 0.05                | -3.4                   | -8.9                    |  |
| 12,836.0     | 88.36      | 1.50                 | 10,926.6      | 1,345.9       | -76.2         | 1.60                | -1.59                | 0.22                | -2.6                   | -11.8                   |  |
| 12,930.0     | 87.77      | 0.20                 | 10,929.7      | 1,439.8       | -74.8         | 1.52                | -0.63                | -1.38               | -0.1                   | -13.9                   |  |
| 13,025.0     | 88.17      | 358.88               | 10,933.1      | 1,534.8       | -75.6         | 1.45                | 0.42                 | -1.39               | 2.6                    | -13.8                   |  |
| 13,120.0     | 89.00      | 358.06               | 10,935.4      | 1,629.7       | -78.1         | 1.23                | 0.87                 | -0.86               | 4.3                    | -11.9                   |  |
| 13,215.0     | 89.82      | 357.19               | 10,936.4      | 1,724.6       | -82.1         | 1.26                | 0.86                 | -0.92               | 4.6                    | -8.7                    |  |
| 13,310.0     | 91.92      | 357.17               | 10,935.0      | 1,819.5       | -86.7         | 2.21                | 2.21                 | -0.02               | 2.4                    | -4.7                    |  |
| 13,405.0     | 89.03      | 357.63               | 10,934.2      | 1,914.4       | -91.0         | 3.08                | -3.04                | 0.48                | 1.0                    | -1.0                    |  |



## Final PVA

|                  |                             |                                     |                       |
|------------------|-----------------------------|-------------------------------------|-----------------------|
| <b>Company:</b>  | Midland                     | <b>Local Co-ordinate Reference:</b> | Well #503H            |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>TVD Reference:</b>               | KB = 26' @ 3515.0usft |
| <b>Site:</b>     | Resolute 12 Fed Com         | <b>MD Reference:</b>                | KB = 26' @ 3515.0usft |
| <b>Well:</b>     | #503H                       | <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) |
| 13,500.0     | 87.75      | 359.46               | 10,936.9      | 2,009.3       | -93.5         | 2.35                | -1.35                | 1.93                | 3.0                    | 0.7                     |
| 13,594.0     | 87.26      | 359.46               | 10,941.0      | 2,103.2       | -94.3         | 0.52                | -0.52                | 0.00                | 6.4                    | 1.0                     |
| 13,689.0     | 89.28      | 359.83               | 10,943.8      | 2,198.2       | -94.9         | 2.16                | 2.13                 | 0.39                | 8.6                    | 0.9                     |
| 13,784.0     | 90.60      | 359.04               | 10,943.9      | 2,293.1       | -95.9         | 1.62                | 1.39                 | -0.83               | 8.0                    | 1.1                     |
| 13,879.0     | 91.61      | 358.22               | 10,942.1      | 2,388.1       | -98.1         | 1.37                | 1.06                 | -0.86               | 5.5                    | 2.8                     |
| 13,974.0     | 89.43      | 357.79               | 10,941.2      | 2,483.0       | -101.4        | 2.34                | -2.29                | -0.45               | 3.9                    | 5.4                     |
| 14,069.0     | 89.20      | 357.32               | 10,942.4      | 2,577.9       | -105.5        | 0.55                | -0.24                | -0.49               | 4.4                    | 8.8                     |
| 14,163.0     | 89.12      | 355.92               | 10,943.7      | 2,671.8       | -111.0        | 1.49                | -0.09                | -1.49               | 5.1                    | 13.7                    |
| 14,258.0     | 90.41      | 357.82               | 10,944.1      | 2,766.6       | -116.2        | 2.42                | 1.36                 | 2.00                | 4.8                    | 18.2                    |
| 14,353.0     | 91.45      | 357.93               | 10,942.6      | 2,861.5       | -119.8        | 1.10                | 1.09                 | 0.12                | 2.6                    | 21.0                    |
| 14,448.0     | 91.19      | 358.39               | 10,940.4      | 2,956.5       | -122.8        | 0.56                | -0.27                | 0.48                | -0.3                   | 23.4                    |
| 14,543.0     | 91.61      | 358.49               | 10,938.1      | 3,051.4       | -125.4        | 0.45                | 0.44                 | 0.11                | -3.3                   | 25.3                    |
| 14,637.0     | 91.30      | 1.17                 | 10,935.7      | 3,145.4       | -125.7        | 2.87                | -0.33                | 2.85                | -6.4                   | 25.0                    |
| 14,732.0     | 92.37      | 1.57                 | 10,932.7      | 3,240.3       | -123.4        | 1.20                | 1.13                 | 0.42                | -10.1                  | 22.0                    |
| 14,855.0     | 88.89      | 1.06                 | 10,931.3      | 3,363.2       | -120.6        | 2.86                | -2.83                | -0.41               | -12.4                  | 18.3                    |
| 14,921.0     | 89.06      | 0.56                 | 10,932.5      | 3,429.2       | -119.6        | 0.80                | 0.26                 | -0.76               | -11.7                  | 16.9                    |
| 15,016.0     | 89.23      | 0.08                 | 10,933.9      | 3,524.2       | -119.1        | 0.54                | 0.18                 | -0.51               | -10.9                  | 15.7                    |
| 15,111.0     | 91.08      | 359.74               | 10,933.6      | 3,619.2       | -119.3        | 1.98                | 1.95                 | -0.36               | -11.9                  | 15.2                    |
| 15,205.0     | 91.16      | 359.54               | 10,931.8      | 3,713.2       | -119.8        | 0.23                | 0.09                 | -0.21               | -14.4                  | 15.2                    |
| 15,300.0     | 91.42      | 358.73               | 10,929.7      | 3,808.1       | -121.3        | 0.90                | 0.27                 | -0.85               | -17.2                  | 15.9                    |
| 15,395.0     | 89.62      | 359.98               | 10,928.8      | 3,903.1       | -122.4        | 2.31                | -1.89                | 1.32                | -18.7                  | 16.3                    |
| 15,490.0     | 89.03      | 359.98               | 10,929.9      | 3,998.1       | -122.4        | 0.62                | -0.62                | 0.00                | -18.3                  | 15.7                    |
| 15,585.0     | 88.05      | 0.52                 | 10,932.3      | 4,093.1       | -122.0        | 1.18                | -1.03                | 0.57                | -16.6                  | 14.6                    |
| 15,679.0     | 87.04      | 358.85               | 10,936.4      | 4,187.0       | -122.5        | 2.07                | -1.07                | -1.78               | -13.2                  | 14.5                    |
| 15,774.0     | 87.86      | 357.53               | 10,940.6      | 4,281.8       | -125.5        | 1.63                | 0.86                 | -1.39               | -9.7                   | 16.8                    |
| 15,869.0     | 87.54      | 359.24               | 10,944.4      | 4,376.7       | -128.2        | 1.83                | -0.34                | 1.80                | -6.5                   | 18.8                    |
| 15,964.0     | 86.98      | 358.76               | 10,948.9      | 4,471.6       | -129.8        | 0.78                | -0.59                | -0.51               | -2.7                   | 19.8                    |



## Final PVA

|                  |                             |                                     |                       |
|------------------|-----------------------------|-------------------------------------|-----------------------|
| <b>Company:</b>  | Midland                     | <b>Local Co-ordinate Reference:</b> | Well #503H            |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>TVD Reference:</b>               | KB = 26' @ 3515.0usft |
| <b>Site:</b>     | Resolute 12 Fed Com         | <b>MD Reference:</b>                | KB = 26' @ 3515.0usft |
| <b>Well:</b>     | #503H                       | <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) |  |
| 16,058.0     | 88.58      | 358.27               | 10,952.6      | 4,565.5       | -132.2        | 1.78                | 1.70                 | -0.52               | 0.3                    | 21.6                    |  |
| 16,153.0     | 88.56      | 359.89               | 10,955.0      | 4,660.4       | -133.8        | 1.70                | -0.02                | 1.71                | 2.0                    | 22.4                    |  |
| 16,248.0     | 89.43      | 0.71                 | 10,956.6      | 4,755.4       | -133.3        | 1.26                | 0.92                 | 0.86                | 2.9                    | 21.3                    |  |
| 16,343.0     | 90.41      | 0.57                 | 10,956.8      | 4,850.4       | -132.2        | 1.04                | 1.03                 | -0.15               | 2.4                    | 19.5                    |  |
| 16,437.0     | 87.60      | 0.36                 | 10,958.4      | 4,944.4       | -131.5        | 3.00                | -2.99                | -0.22               | 3.4                    | 18.1                    |  |
| 16,608.0     | 87.12      | 0.75                 | 10,966.3      | 5,115.2       | -129.8        | 0.36                | -0.28                | 0.23                | 10.0                   | 15.3                    |  |
| 16,627.0     | 87.55      | 1.25                 | 10,967.2      | 5,134.2       | -129.5        | 3.47                | 2.26                 | 2.63                | 10.8                   | 14.8                    |  |
| 16,722.0     | 89.62      | 0.78                 | 10,969.5      | 5,229.1       | -127.8        | 2.23                | 2.18                 | -0.49               | 12.4                   | 12.4                    |  |
| 16,817.0     | 91.19      | 0.58                 | 10,968.8      | 5,324.1       | -126.7        | 1.67                | 1.65                 | -0.21               | 11.0                   | 10.7                    |  |
| 16,912.0     | 93.18      | 0.37                 | 10,965.2      | 5,419.0       | -125.9        | 2.11                | 2.09                 | -0.22               | 6.7                    | 9.2                     |  |
| 17,028.0     | 91.47      | 0.64                 | 10,960.5      | 5,534.9       | -124.8        | 1.49                | -1.47                | 0.23                | 1.2                    | 7.4                     |  |
| 17,123.0     | 88.44      | 0.64                 | 10,960.6      | 5,629.9       | -123.8        | 3.19                | -3.19                | 0.00                | 0.6                    | 5.6                     |  |
| 17,218.0     | 88.02      | 0.06                 | 10,963.5      | 5,724.9       | -123.2        | 0.75                | -0.44                | -0.61               | 2.8                    | 4.4                     |  |
| 17,312.0     | 88.14      | 358.88               | 10,966.7      | 5,818.8       | -124.1        | 1.26                | 0.13                 | -1.26               | 5.3                    | 4.6                     |  |
| 17,407.0     | 89.40      | 359.23               | 10,968.7      | 5,913.8       | -125.6        | 1.38                | 1.33                 | 0.37                | 6.7                    | 5.5                     |  |
| 17,502.0     | 90.55      | 359.42               | 10,968.7      | 6,008.8       | -126.8        | 1.23                | 1.21                 | 0.20                | 6.0                    | 5.9                     |  |
| 17,597.0     | 91.47      | 359.20               | 10,967.1      | 6,103.7       | -127.9        | 1.00                | 0.97                 | -0.23               | 4.0                    | 6.4                     |  |
| 17,692.0     | 89.65      | 0.66                 | 10,966.1      | 6,198.7       | -128.0        | 2.46                | -1.92                | 1.54                | 3.2                    | 5.9                     |  |
| 17,787.0     | 89.45      | 1.55                 | 10,966.9      | 6,293.7       | -126.2        | 0.96                | -0.21                | 0.94                | 4.1                    | 3.4                     |  |
| 17,881.0     | 89.68      | 1.41                 | 10,967.6      | 6,387.7       | -123.8        | 0.29                | 0.24                 | -0.15               | 5.0                    | 0.3                     |  |
| 17,976.0     | 90.60      | 1.93                 | 10,967.4      | 6,482.6       | -121.0        | 1.11                | 0.97                 | 0.55                | 4.9                    | -3.1                    |  |
| 18,071.0     | 89.48      | 1.21                 | 10,967.3      | 6,577.6       | -118.4        | 1.40                | -1.18                | -0.76               | 4.9                    | -6.4                    |  |
| 18,165.0     | 88.16      | 0.59                 | 10,969.2      | 6,671.6       | -116.9        | 1.55                | -1.40                | -0.66               | 7.0                    | -8.5                    |  |
| 18,260.0     | 89.26      | 0.62                 | 10,971.4      | 6,766.5       | -115.9        | 1.16                | 1.16                 | 0.03                | 9.3                    | -10.2                   |  |
| 18,355.0     | 89.76      | 0.65                 | 10,972.2      | 6,861.5       | -114.9        | 0.53                | 0.53                 | 0.03                | 10.2                   | -11.9                   |  |
| 18,449.0     | 90.32      | 359.98               | 10,972.1      | 6,955.5       | -114.3        | 0.93                | 0.60                 | -0.71               | 10.3                   | -13.1                   |  |
| 18,544.0     | 89.68      | 0.47                 | 10,972.1      | 7,050.5       | -114.0        | 0.85                | -0.67                | 0.52                | 10.4                   | -14.1                   |  |



## Final PVA

|                  |                             |                                     |                       |
|------------------|-----------------------------|-------------------------------------|-----------------------|
| <b>Company:</b>  | Midland                     | <b>Local Co-ordinate Reference:</b> | Well #503H            |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>TVD Reference:</b>               | KB = 26' @ 3515.0usft |
| <b>Site:</b>     | Resolute 12 Fed Com         | <b>MD Reference:</b>                | KB = 26' @ 3515.0usft |
| <b>Well:</b>     | #503H                       | <b>North Reference:</b>             | Grid                  |
| <b>Wellbore:</b> | OH                          | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Design:</b>   | OH                          | <b>Database:</b>                    | PEDM                  |

| Survey                        |            |                      |               |               |               |                     |                      |                     |                        |                         |
|-------------------------------|------------|----------------------|---------------|---------------|---------------|---------------------|----------------------|---------------------|------------------------|-------------------------|
| MD<br>(usft)                  | Inc<br>(°) | Azi (azimuth)<br>(°) | TVD<br>(usft) | N/S<br>(usft) | E/W<br>(usft) | DLeg<br>(°/100usft) | Build<br>(°/100usft) | Turn<br>(°/100usft) | High to Plan<br>(usft) | Right to Plan<br>(usft) |
| 18,639.0                      | 89.15      | 0.40                 | 10,973.1      | 7,145.5       | -113.2        | 0.56                | -0.56                | -0.07               | 11.5                   | -15.5                   |
| 18,734.0                      | 90.41      | 0.79                 | 10,973.5      | 7,240.5       | -112.3        | 1.39                | 1.33                 | 0.41                | 12.0                   | -17.1                   |
| 18,829.0                      | 88.25      | 359.70               | 10,974.6      | 7,335.5       | -111.9        | 2.55                | -2.27                | -1.15               | 13.3                   | -18.2                   |
| 18,923.0                      | 88.58      | 359.25               | 10,977.2      | 7,429.5       | -112.7        | 0.59                | 0.35                 | -0.48               | 16.0                   | -18.0                   |
| 19,018.0                      | 90.04      | 359.06               | 10,978.3      | 7,524.4       | -114.1        | 1.55                | 1.54                 | -0.20               | 17.3                   | -17.2                   |
| 19,113.0                      | 91.78      | 358.78               | 10,976.8      | 7,619.4       | -115.9        | 1.86                | 1.83                 | -0.29               | 15.9                   | -16.1                   |
| 19,208.0                      | 89.17      | 357.94               | 10,976.0      | 7,714.3       | -118.6        | 2.89                | -2.75                | -0.88               | 15.3                   | -14.1                   |
| 19,303.0                      | 89.40      | 358.57               | 10,977.2      | 7,809.3       | -121.5        | 0.71                | 0.24                 | 0.66                | 16.6                   | -11.8                   |
| 19,398.0                      | 89.82      | 358.47               | 10,977.8      | 7,904.3       | -124.0        | 0.45                | 0.44                 | -0.11               | 17.4                   | -10.0                   |
| 19,492.0                      | 91.05      | 358.03               | 10,977.1      | 7,998.2       | -126.8        | 1.39                | 1.31                 | -0.47               | 16.8                   | -7.8                    |
| 19,587.0                      | 89.26      | 358.20               | 10,976.9      | 8,093.2       | -130.0        | 1.89                | -1.88                | 0.18                | 16.7                   | -5.4                    |
| 19,682.0                      | 89.01      | 358.46               | 10,978.3      | 8,188.1       | -132.7        | 0.38                | -0.26                | 0.27                | 18.3                   | -3.2                    |
| 19,777.0                      | 90.63      | 358.47               | 10,978.6      | 8,283.1       | -135.3        | 1.71                | 1.71                 | 0.01                | 18.7                   | -1.4                    |
| 19,872.0                      | 88.33      | 358.94               | 10,979.5      | 8,378.0       | -137.4        | 2.47                | -2.42                | 0.49                | 19.7                   | 0.1                     |
| 19,967.0                      | 87.01      | 358.77               | 10,983.3      | 8,472.9       | -139.3        | 1.40                | -1.39                | -0.18               | 23.7                   | 1.4                     |
| 20,061.0                      | 90.38      | 359.53               | 10,985.5      | 8,566.9       | -140.7        | 3.68                | 3.59                 | 0.81                | 26.0                   | 2.1                     |
| 20,156.0                      | 88.00      | 358.50               | 10,986.8      | 8,661.9       | -142.4        | 2.73                | -2.51                | -1.08               | 27.4                   | 3.1                     |
| 20,251.0                      | 88.81      | 358.45               | 10,989.5      | 8,756.8       | -144.9        | 0.85                | 0.85                 | -0.05               | 30.2                   | 4.9                     |
| 20,346.0                      | 89.93      | 358.39               | 10,990.5      | 8,851.7       | -147.5        | 1.18                | 1.18                 | -0.06               | 31.4                   | 6.9                     |
| 20,441.0                      | 87.94      | 358.85               | 10,992.3      | 8,946.7       | -149.8        | 2.15                | -2.09                | 0.48                | 33.3                   | 8.5                     |
| 20,535.0                      | 88.02      | 358.27               | 10,995.6      | 9,040.6       | -152.1        | 0.62                | 0.09                 | -0.62               | 36.7                   | 10.2                    |
| 20,631.0                      | 89.23      | 358.28               | 10,997.9      | 9,136.5       | -155.0        | 1.26                | 1.26                 | 0.01                | 39.2                   | 12.4                    |
| 20,725.0                      | 89.76      | 358.09               | 10,998.7      | 9,230.5       | -158.0        | 0.60                | 0.56                 | -0.20               | 40.1                   | 14.8                    |
| 20,820.0                      | 92.23      | 358.26               | 10,997.1      | 9,325.4       | -161.0        | 2.61                | 2.60                 | 0.18                | 38.6                   | 17.1                    |
| 20,915.0                      | 93.97      | 358.44               | 10,991.9      | 9,420.2       | -163.8        | 1.84                | 1.83                 | 0.19                | 33.6                   | 19.2                    |
| 21,010.0                      | 95.35      | 358.71               | 10,984.2      | 9,514.9       | -166.1        | 1.48                | 1.45                 | 0.28                | 26.0                   | 20.9                    |
| Last MWD Survey (MD=21010.0') |            |                      |               |               |               |                     |                      |                     |                        |                         |



## Final PVA

|                  |                             |                                     |                       |
|------------------|-----------------------------|-------------------------------------|-----------------------|
| <b>Company:</b>  | Midland                     | <b>Local Co-ordinate Reference:</b> | Well #503H            |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME) | <b>TVD Reference:</b>               | KB = 26' @ 3515.0usft |
| <b>Site:</b>     | Resolute 12 Fed Com         | <b>MD Reference:</b>                | KB = 26' @ 3515.0usft |
| <b>Well:</b>     | #503H                       | <b>North Reference:</b>             | Grid                  |
| <b>Wellbore:</b> | OH                          | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Design:</b>   | OH                          | <b>Database:</b>                    | PEDM                  |

| 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) |
|---------------------------------|------------|----------------------|---------------|---------------|---------------|---------------------|----------------------|---------------------|------------------------|-------------------------|
| 21,121.0                        | 95.35      | 358.71               | 10,973.9      | 9,625.4       | -168.6        | 0.00                | 0.00                 | 0.00                | 15.8                   | 22.6                    |
| Projection to Bit (MD=21121.0') |            |                      |               |               |               |                     |                      |                     |                        |                         |

| Design Annotations          |                             |                   |                 |                                                                             |
|-----------------------------|-----------------------------|-------------------|-----------------|-----------------------------------------------------------------------------|
| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Local Coordinates |                 | Comment                                                                     |
|                             |                             | +N/-S<br>(usft)   | +E/-W<br>(usft) |                                                                             |
| 10,314.0                    | 10,239.4                    | -783.7            | -169.2          | KOP, MD:10314.0', TVD:10239.4',N/S:-783.7', E/W:-169.2', INC:1.98           |
| 10,580.2                    | 10,498.9                    | -735.1            | -171.1          | FTP Crossing, MD:10580.2', TVD:10498.9',N/S:-735.1', E/W:-171.1', INC:22.34 |
| 21,010.0                    | 10,984.2                    | 9,514.9           | -166.1          | Last MWD Survey (MD=21010.0')                                               |
| 21,121.0                    | 10,973.9                    | 9,625.4           | -168.6          | Projection to Bit (MD=21121.0')                                             |

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

I CERTIFY THIS SURVEY TO BE TRUE AND CORRECT TO THE BEST OF MY BELIEF AND KNOWLEDGE  
KAY MADDOX 05/11/2022



# Lea County, NM (NAD 83 NME)

Resolute 12 Fed Com #503H

Plan #1

## 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: #503H

KB = 26' @ 3515.0usft  
Northing 415405.00 Easting 758102.00 Latitude 32° 8' 24.323 N Longitude 103° 37' 58.824 W

## SECTION DETAILS

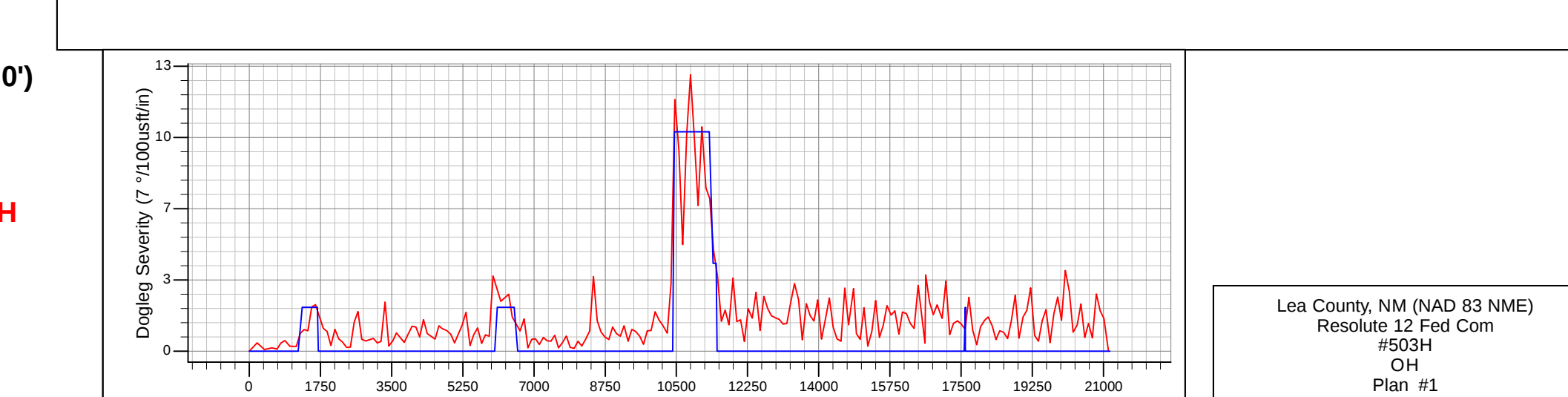
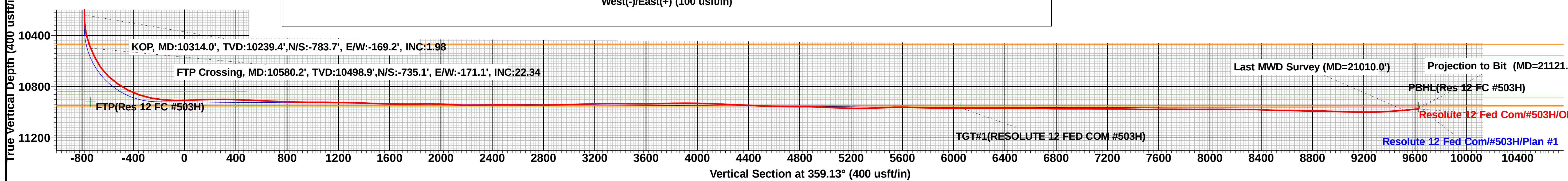
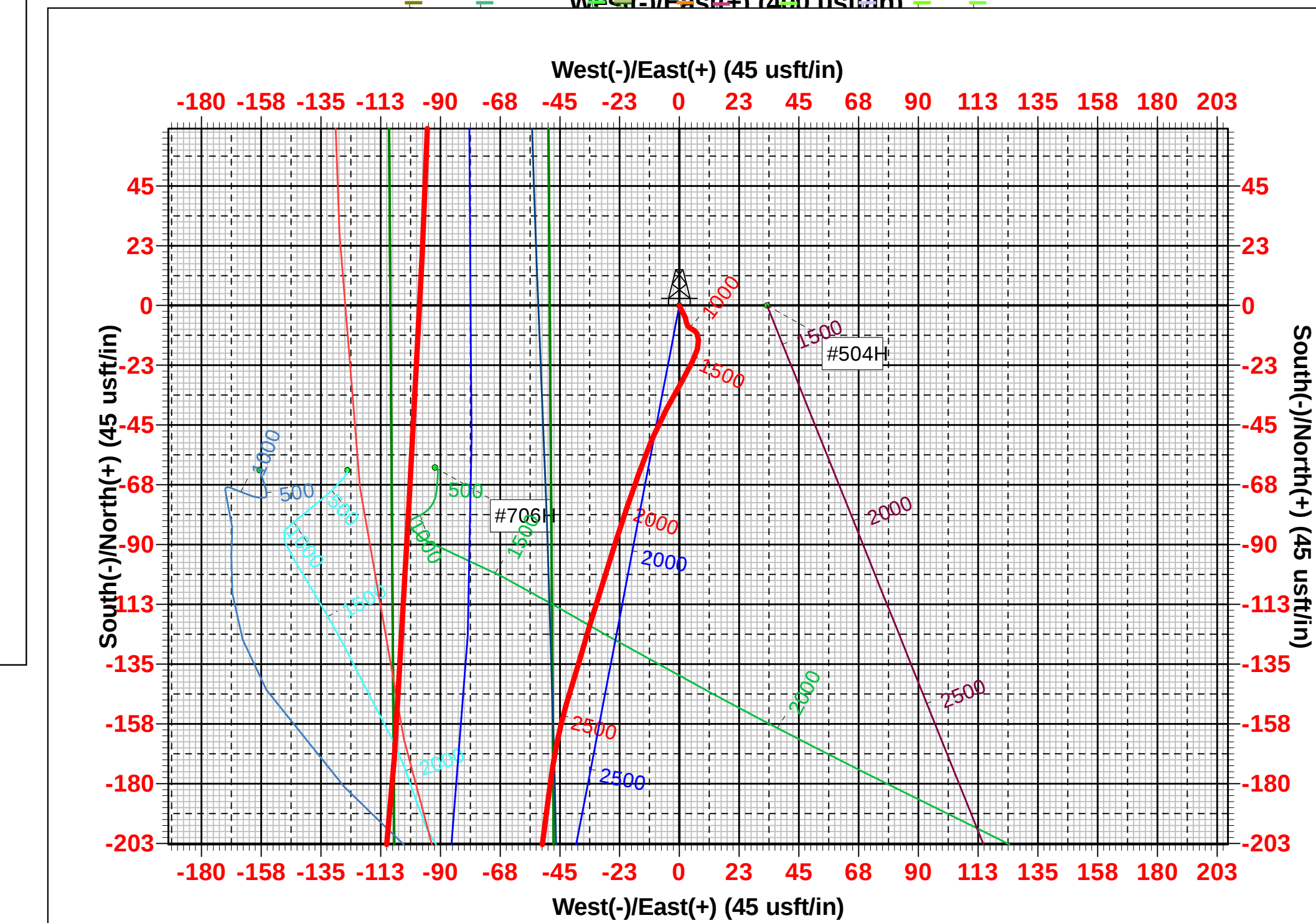
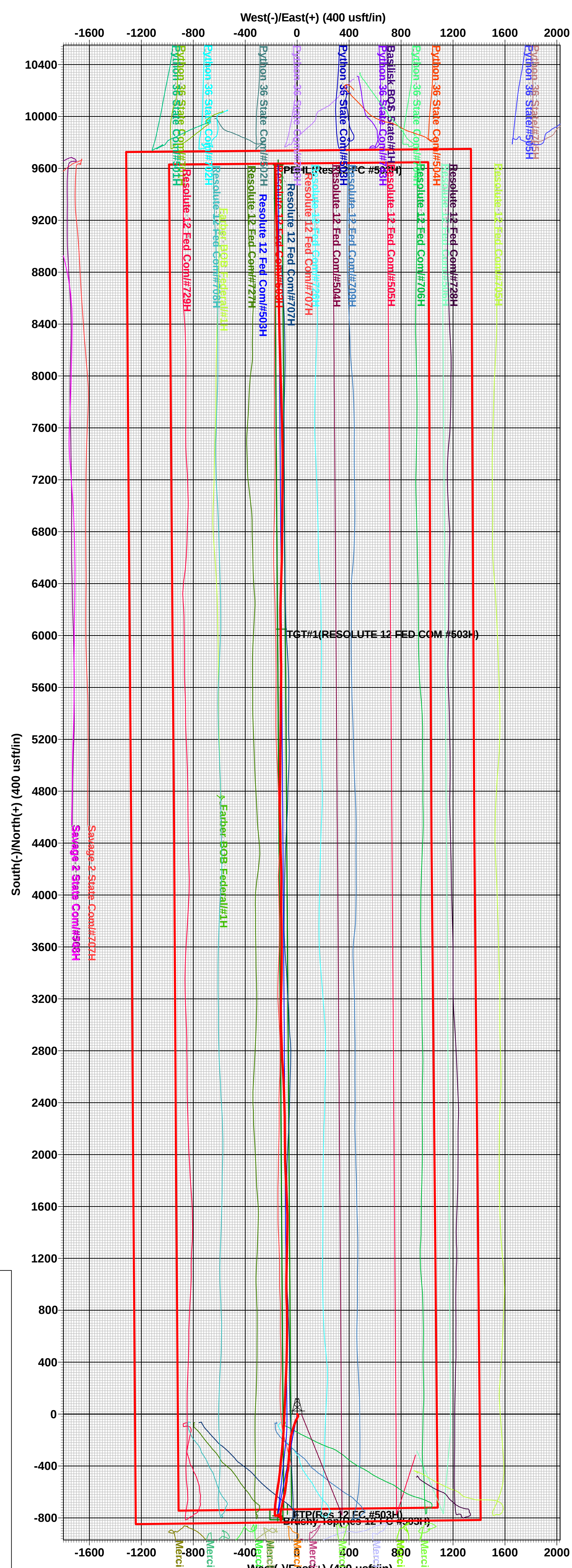
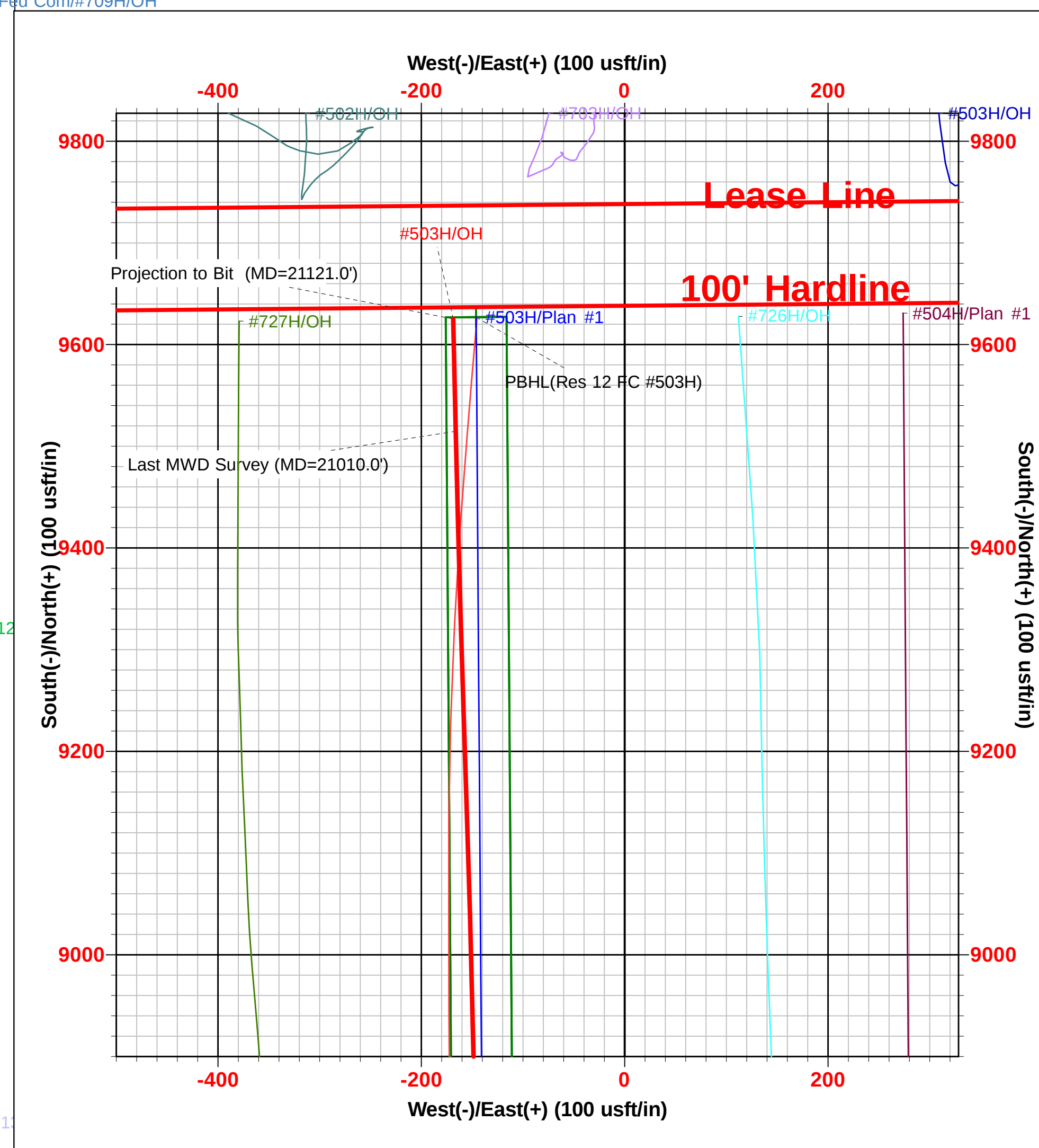
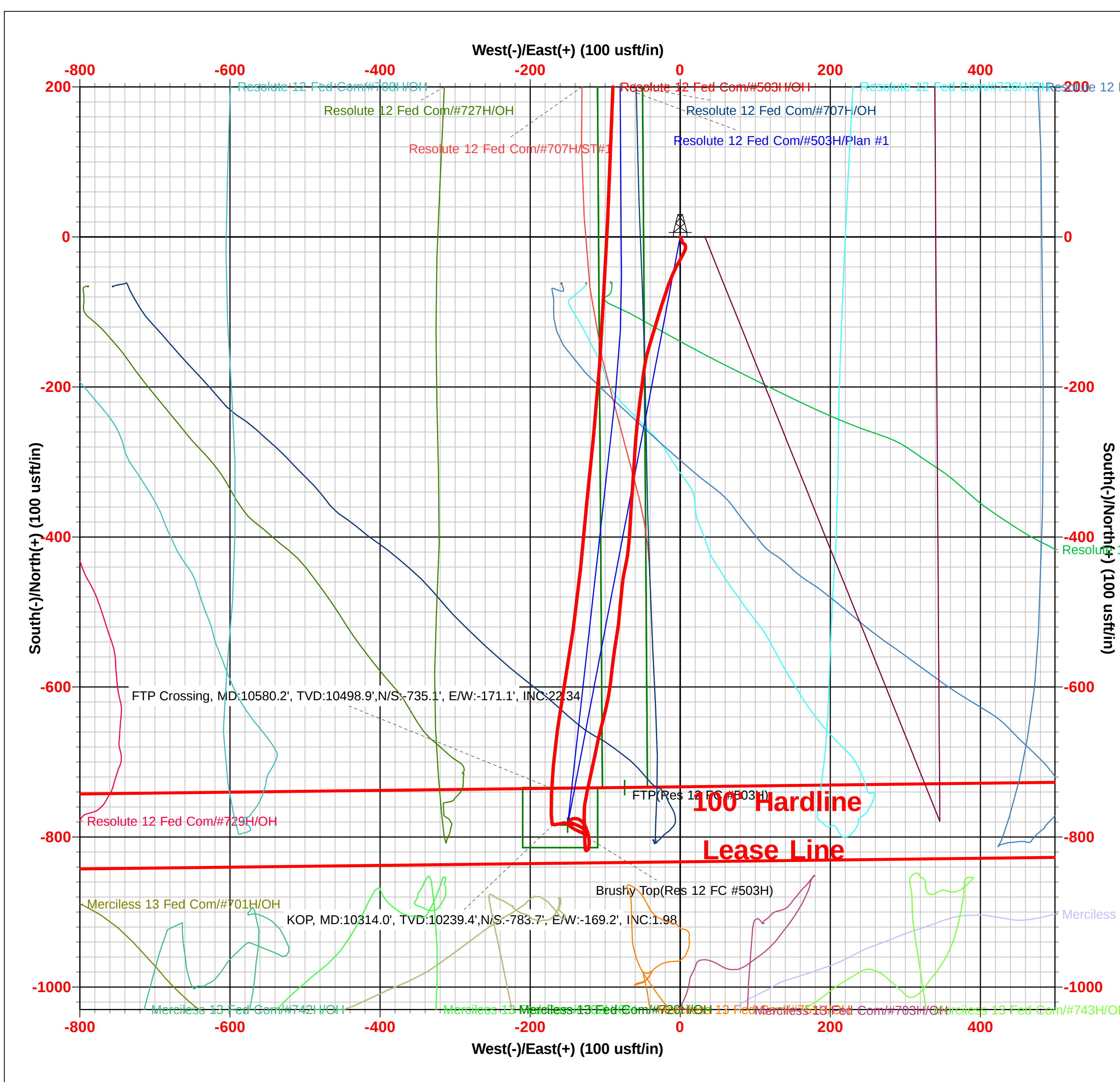
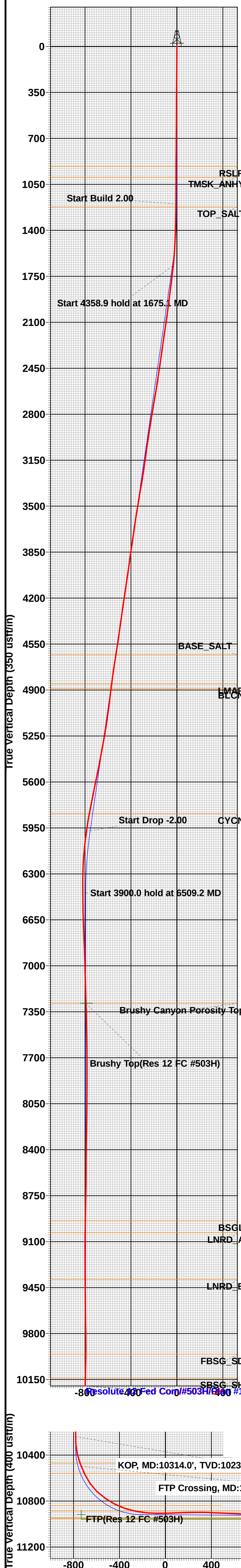
| Sec | MD      | Inc   | Azi    | TVD     | +N/-S  | +E/-W  | Dleg  | TFace  | VSect  | Target                           |
|-----|---------|-------|--------|---------|--------|--------|-------|--------|--------|----------------------------------|
| 1   | 0.0     | 0.00  | 0.00   | 0.0     | 0.0    | 0.0    | 0.00  | 0.00   | 0.0    |                                  |
| 2   | 1200.0  | 0.00  | 0.00   | 1200.0  | 0.0    | 0.0    | 0.00  | 0.00   | 0.0    |                                  |
| 3   | 1675.1  | 9.50  | 190.83 | 1672.9  | -38.6  | -7.4   | 2.00  | 190.83 | -38.5  |                                  |
| 4   | 6034.0  | 9.50  | 190.83 | 5972.1  | -745.4 | -142.6 | 0.00  | 0.00   | -743.1 |                                  |
| 5   | 6509.2  | 0.00  | 0.00   | 6445.0  | -784.0 | -150.0 | 2.00  | 180.00 | -781.6 |                                  |
| 6   | 10409.2 | 0.00  | 0.00   | 10345.0 | -784.0 | -150.0 | 0.00  | 0.00   | -781.6 |                                  |
| 7   | 11305.6 | 89.64 | 6.35   | 10917.9 | -218.1 | -87.0  | 10.00 | 6.35   | -216.8 |                                  |
| 8   | 11474.4 | 89.59 | 359.60 | 10919.1 | -49.7  | -78.3  | 4.00  | -90.47 | -48.5  |                                  |
| 9   | 17573.9 | 89.59 | 359.60 | 10963.0 | 6049.6 | -121.1 | 0.00  | 0.00   | 6050.7 | TGT#1(RESOLUTE 12 FED COM #503H) |
| 10  | 17598.6 | 90.08 | 359.60 | 10963.1 | 6074.3 | -121.3 | 2.00  | 0.41   | 6075.5 |                                  |
| 11  | 21151.4 | 90.08 | 359.60 | 10958.0 | 9627.0 | -146.0 | 0.00  | 0.00   | 9628.1 | PBHL(Res 12 FC #503H)            |

## CASING DETAILS

No casing data is available

## WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

| Name                             | TVD     | +N/-S  | +E/-W  | Northing  | Easting   |
|----------------------------------|---------|--------|--------|-----------|-----------|
| Brushy Top(Res 12 FC #503H)      | 7285.0  | -784.0 | -150.0 | 414621.00 | 757952.00 |
| FTP(Res 12 FC #503H)             | 10918.0 | -734.0 | -74.0  | 414671.00 | 758028.00 |
| PBHL(Res 12 FC #503H)            | 10958.0 | 9627.0 | -146.0 | 425032.00 | 757956.00 |
| TGT#1(RESOLUTE 12 FED COM #503H) | 10963.0 | 6049.6 | -121.1 | 421454.60 | 757980.90 |



Intent ☐ As Drilled ☐

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

## Kick Off Point (KOP)

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

## First Take Point (FTP)

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

## Last Take Point (LTP)

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

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

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

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

KZ 06/29/2018

|                                                                                                                                                                                                                                                                                                                                                                                       |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                             |                                                                          |                                                                        |                        |               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|--------------------------|---------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------|---------------|
| Submit To Appropriate District Office<br>Two Copies<br><u>District I</u><br>1625 N. French Dr., Hobbs, NM 88240<br><u>District II</u><br>811 S. First St., Artesia, NM 88210<br><u>District III</u><br>1000 Rio Brazos Rd., Aztec, NM 87410<br><u>District IV</u><br>1220 S. St. Francis Dr., Santa Fe, NM 87505                                                                      |                                            | <b>State of New Mexico</b><br><b>Energy, Minerals and Natural Resources</b><br><br><b>Oil Conservation Division</b><br><b>1220 South St. Francis Dr.</b><br><b>Santa Fe, NM 87505</b> |                                                               |                          | <b>Form C-105</b><br>Revised August 1, 2011 |                                                             |                                                                          |                                                                        |                        |               |
| WELL COMPLETION OR RECOMPLETION REPORT AND LOG                                                                                                                                                                                                                                                                                                                                        |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                             |                                                                          |                                                                        |                        |               |
| 4. Reason for filing:<br><input checked="" type="checkbox"/> <b>COMPLETION REPORT</b> (Fill in boxes #1 through #31 for State and Fee wells only)<br><br><input type="checkbox"/> <b>C-144 CLOSURE ATTACHMENT</b> (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC) |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                             |                                                                          | 5. Lease Name or Unit Agreement Name<br><b>RESOLUTE 12 FEDERAL COM</b> |                        |               |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                             |                                                                          | 6. Well Number:<br><b>503H</b>                                         |                        |               |
| 7. Type of Completion:<br><input checked="" type="checkbox"/> NEW WELL <input type="checkbox"/> WORKOVER <input type="checkbox"/> DEEPENING <input type="checkbox"/> PLUGBACK <input type="checkbox"/> DIFFERENT RESERVOIR <input type="checkbox"/> OTHER _____                                                                                                                       |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                             |                                                                          |                                                                        |                        |               |
| 8. Name of Operator<br><b>EOG RESOURCES INC</b>                                                                                                                                                                                                                                                                                                                                       |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                             | 9. OGRID<br><b>7377</b>                                                  |                                                                        |                        |               |
| 10. Address of Operator<br><b>PO BOX 2267 MIDLAND, TEXAS 79702</b>                                                                                                                                                                                                                                                                                                                    |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                             | 11. Pool name or Wildcat<br><b>WC025 G08 S253235G; LOWER BONE SPRING</b> |                                                                        |                        |               |
| 12. Location                                                                                                                                                                                                                                                                                                                                                                          | Unit Ltr                                   | Section                                                                                                                                                                               | Township                                                      | Range                    | Lot                                         | Feet from the                                               | N/S Line                                                                 | Feet from the                                                          | E/W Line               | County        |
| <b>Surface:</b>                                                                                                                                                                                                                                                                                                                                                                       | M                                          | 12                                                                                                                                                                                    | 25S                                                           | 32E                      |                                             | 833                                                         | SOUTH                                                                    | 1249                                                                   | WEST                   | LEA           |
| <b>BH:</b>                                                                                                                                                                                                                                                                                                                                                                            | D                                          | 1                                                                                                                                                                                     | 25S                                                           | 32E                      |                                             | 110                                                         | NORTH                                                                    | 1147                                                                   | WEST                   | LEA           |
| 13. Date Spudded<br><b>12/23/2021</b>                                                                                                                                                                                                                                                                                                                                                 | 14. Date T.D. Reached<br><b>02/19/2022</b> |                                                                                                                                                                                       | 15. Date Rig Released<br><b>02/22/2022</b>                    |                          |                                             | 16. Date Completed (Ready to Produce)<br><b>04/24/2022</b>  |                                                                          | 17. Elevations (DF and RKB, RT, GR, etc.) <b>3492' GL</b>              |                        |               |
| 18. Total Measured Depth of Well<br><b>MD 21,121' TVD 10,973'</b>                                                                                                                                                                                                                                                                                                                     |                                            |                                                                                                                                                                                       | 19. Plug Back Measured Depth<br><b>MD 21,066' TVD 10,973'</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 11,040 - 21,066'</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                                                                                                                                                                            |                                                               | 1049'                    |                                             | 17 1/2"                                                     |                                                                          | 1030 CL C/CIRC                                                         |                        |               |
| 9 5/8"                                                                                                                                                                                                                                                                                                                                                                                |                                            | 40# HCP 110                                                                                                                                                                           |                                                               | 4794'                    |                                             | 12 1/4"                                                     |                                                                          | 2045 CL C/CIRC                                                         |                        |               |
| 5 1/2"                                                                                                                                                                                                                                                                                                                                                                                |                                            | 20# ECP 110                                                                                                                                                                           |                                                               | 21,075'                  |                                             | 8 1/2"                                                      |                                                                          | 3445 CL H TOC 1195' CBL                                                |                        |               |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                             |                                                                          |                                                                        |                        |               |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                             |                                                                          |                                                                        |                        |               |
| 24. LINER RECORD                                                                                                                                                                                                                                                                                                                                                                      |                                            |                                                                                                                                                                                       |                                                               |                          |                                             | 25. TUBING RECORD                                           |                                                                          |                                                                        |                        |               |
| SIZE                                                                                                                                                                                                                                                                                                                                                                                  | TOP                                        | BOTTOM                                                                                                                                                                                | SACKS CEMENT                                                  | SCREEN                   | SIZE                                        | DEPTH SET                                                   | PACKER SET                                                               |                                                                        |                        |               |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                             |                                                                          |                                                                        |                        |               |
| 26. Perforation record (interval, size, and number)<br><br><b>11,040 -21,066'    3 1/8", 2058 holes</b>                                                                                                                                                                                                                                                                               |                                            |                                                                                                                                                                                       |                                                               |                          |                                             | 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.             |                                                                          |                                                                        |                        |               |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                            |                                                                                                                                                                                       |                                                               |                          |                                             | DEPTH INTERVAL                                              |                                                                          | AMOUNT AND KIND MATERIAL USED                                          |                        |               |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                            |                                                                                                                                                                                       |                                                               |                          |                                             | 11,040 - 21,066'                                            |                                                                          | FRAC W/28,501,434 lbs proppant, 417,789 bbls load fld                  |                        |               |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                             |                                                                          |                                                                        |                        |               |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                             |                                                                          |                                                                        |                        |               |
| <b>28. PRODUCTION</b>                                                                                                                                                                                                                                                                                                                                                                 |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                             |                                                                          |                                                                        |                        |               |
| Date First Production<br><b>04/24/2022</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>05/04/2022</b>                                                                                                                                                                                                                                                                                                                                                     | Hours Tested<br><b>24</b>                  | Choke Size<br><b>64</b>                                                                                                                                                               | Prod'n For Test Period                                        | Oil - Bbl<br><b>2857</b> | Gas - MCF<br><b>4075</b>                    | Water - Bbl.<br><b>8523</b>                                 | Gas - Oil Ratio<br><b>1426</b>                                           |                                                                        |                        |               |
| Flow Tubing Press.                                                                                                                                                                                                                                                                                                                                                                    | Casing Pressure<br><b>1129</b>             | Calculated 24-Hour Rate                                                                                                                                                               | Oil - Bbl.                                                    | Gas - MCF                | Water - Bbl.                                | Oil Gravity - API - ( <i>Corr.</i> )<br><b>47</b>           |                                                                          |                                                                        |                        |               |
| 29. Disposition of Gas ( <i>Sold, used for fuel, vented, etc.</i> )<br><b>SOLD</b>                                                                                                                                                                                                                                                                                                    |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                             |                                                                          | 30. Test Witnessed By                                                  |                        |               |
| 31. List Attachments<br><b>C-102, C-104, Directional Survey, H spacing</b>                                                                                                                                                                                                                                                                                                            |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                             |                                                                          |                                                                        |                        |               |
| 32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.                                                                                                                                                                                                                                                                                    |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                             |                                                                          |                                                                        |                        |               |
| 33. If an on-site burial was used at the well, report the exact location of the on-site burial:                                                                                                                                                                                                                                                                                       |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                             |                                                                          |                                                                        |                        |               |
| Latitude _____                                                                                                                                                                                                                                                                                                                                                                        |                                            |                                                                                                                                                                                       |                                                               | Longitude _____          |                                             |                                                             |                                                                          | NAD 1927 1983                                                          |                        |               |
| I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief                                                                                                                                                                                                                                                    |                                            |                                                                                                                                                                                       |                                                               |                          |                                             |                                                             |                                                                          |                                                                        |                        |               |
| Signature <b>Kay Maddox</b>                                                                                                                                                                                                                                                                                                                                                           |                                            |                                                                                                                                                                                       | Name <b>Kay Maddox</b>                                        |                          |                                             | Title <b>Senior Regulatory Specialist</b>                   |                                                                          |                                                                        | Date <b>05/19/2022</b> |               |
| 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 | 919'  | T. Canyon               | Brushy  | 7291' | T. Ojo Alamo       | T. Penn A"       |
| T. Salt                 |         | 1228' | T. Strawn               |         |       | T. Kirtland        | T. Penn. "B"     |
| B. Salt                 |         | 4637' | 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          | 9963'   |       | T. Entrada         |                  |
| T. Wolfcamp             |         |       | T. 2nd BS Sand          | 10,477' |       | 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 |
|------|----|----------------------|-----------|
|      |    |                      |           |

| 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/oed/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 108984

**ACKNOWLEDGMENTS**

|                                                                             |                                                    |
|-----------------------------------------------------------------------------|----------------------------------------------------|
| Operator:<br>EOG RESOURCES INC<br>5509 Champions Drive<br>Midland, TX 79706 | OGRID:<br>7377                                     |
|                                                                             | Action Number:<br>108984                           |
|                                                                             | Action Type:<br>[C-104] Completion Packet (C-104C) |

**ACKNOWLEDGMENTS**

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

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

General Information  
Phone: (505) 629-6116

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

CONDITIONS

Action 108984

CONDITIONS

|                                                                             |                                                    |
|-----------------------------------------------------------------------------|----------------------------------------------------|
| Operator:<br>EOG RESOURCES INC<br>5509 Champions Drive<br>Midland, TX 79706 | OGRID:<br>7377                                     |
|                                                                             | Action Number:<br>108984                           |
|                                                                             | Action Type:<br>[C-104] Completion Packet (C-104C) |

CONDITIONS

| Created By     | Condition | Condition Date |
|----------------|-----------|----------------|
| crystal.walker | None      | 8/7/2025       |