

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

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

Form C-104  
Revised August 1, 2011  
  
Submit one copy to appropriate District Office  
  
☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

|                                                                                                   |                                                             |                                                                        |
|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------------------|
| <sup>1</sup> Operator name and Address<br>Mewbourne Oil Company<br>PO Box 5270<br>Hobbs, NM 88240 |                                                             | <sup>2</sup> OGRID Number<br>14744                                     |
|                                                                                                   |                                                             | <sup>3</sup> Reason for Filing Code/ Effective Date<br>NW / 03/15/2021 |
| <sup>4</sup> API Number<br>30 – 015-46916                                                         | <sup>5</sup> Pool Name<br>Purple Sage; Bone Spring (Gas)    | <sup>6</sup> Pool Code<br>98220                                        |
| <sup>7</sup> Property Code<br>327337                                                              | <sup>8</sup> Property Name<br>Pale Rider 8/5 W1OB State Com | <sup>9</sup> Well Number<br>1H                                         |

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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| P             | 8       | 25S      | 28E   |         | 260           | South            | 1330          | East           | Eddy   |

<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                              |
|-----------------------------|----------------------------------------------------|----------|----------------------------------------------------|---------|-----------------------------------|------------------|------------------------------------|----------------|-------------------------------------|
| B                           | 5                                                  | 25S      | 28E                                                |         | 318                               | North            | 1642                               | East           | Eddy                                |
| <sup>12</sup> Lse Code<br>S | <sup>13</sup> Producing Method<br>Code<br>Gas Lift |          | <sup>14</sup> Gas Connection<br>Date<br>03/15/2021 |         | <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<br>OGRID | <sup>19</sup> Transporter Name<br>and Address                            | <sup>20</sup> O/G/W |
|------------------------------------|--------------------------------------------------------------------------|---------------------|
| 371960                             | Lucid Energy Group<br>3100 McKinnon<br>Suite 800<br>Dallas, TX 75201     | G                   |
|                                    | Oryx Delaware Oil<br>4000 N Big Spring<br>Suite 400<br>Midland, TX 79705 | O                   |
|                                    |                                                                          |                     |
|                                    |                                                                          |                     |
|                                    |                                                                          |                     |
|                                    |                                                                          |                     |

IV. Well Completion Data

|                                       |                                        |                                    |                              |                                              |                            |
|---------------------------------------|----------------------------------------|------------------------------------|------------------------------|----------------------------------------------|----------------------------|
| <sup>21</sup> Spud Date<br>09/02/2020 | <sup>22</sup> Ready Date<br>03/15/2021 | <sup>23</sup> TD<br>19550'         | <sup>24</sup> PBSD<br>19513' | <sup>25</sup> Perforations<br>9598' - 19498' | <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 ½"                                 |                                        | 13 ¾" 54.5# J55                    |                              | 465'                                         | 520                        |
| 12 ¼"                                 |                                        | 9 ⅝" 40# HCL80                     |                              | 2427'                                        | 480                        |
| 8 ¾"                                  |                                        | 7" 29# HCP110                      |                              | 9840'                                        | 800                        |
| 6 ⅞"                                  |                                        | 4 ½" 13.5# HCP110                  |                              | 8872' – 19549'                               | 875                        |
|                                       |                                        | 3 ½" 9.3# L80                      |                              | 8827'                                        |                            |

V. Well Test Data

|                                          |                                               |                                       |                                     |                                     |                                         |
|------------------------------------------|-----------------------------------------------|---------------------------------------|-------------------------------------|-------------------------------------|-----------------------------------------|
| <sup>31</sup> Date New Oil<br>03/15/2021 | <sup>32</sup> Gas Delivery Date<br>03/15/2021 | <sup>33</sup> Test Date<br>03/23/2021 | <sup>34</sup> Test Length<br>24 hrs | <sup>35</sup> Tbg. Pressure<br>2045 | <sup>36</sup> Csg. Pressure<br>1400     |
| <sup>37</sup> Choke Size<br>32/64"       | <sup>38</sup> Oil<br>691                      | <sup>39</sup> Water<br>4101           | <sup>40</sup> Gas<br>1580           |                                     | <sup>41</sup> Test Method<br>Production |

<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.

Signature:



Printed name:  
Jackie Lathan

Title:  
Regulatory

E-mail Address:  
jlathan@mewbourne.com

Date:  
04/23/2021

Phone:  
575-393-5905

OIL CONSERVATION DIVISION

Approved by: KURT SIMMONS

Title: NMOC, SANTA FE

Approval Date: 07/13/2021

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

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

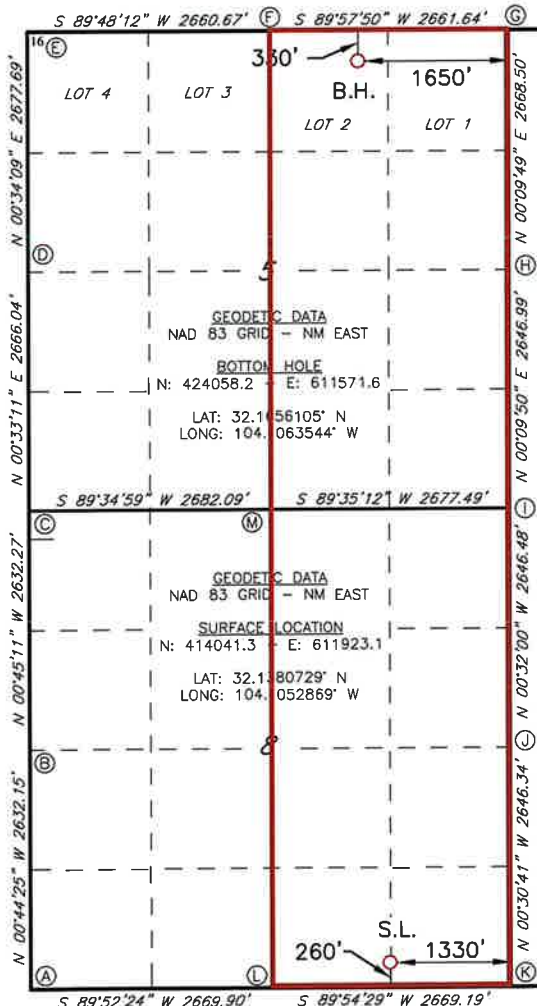
Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

☒ AMENDED REPORT  
AS DRILLED

## WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                                              |                     |                                                                    |                     |                                                              |                             |                                  |                              |                                        |                       |
|--------------------------------------------------------------|---------------------|--------------------------------------------------------------------|---------------------|--------------------------------------------------------------|-----------------------------|----------------------------------|------------------------------|----------------------------------------|-----------------------|
| <sup>1</sup> API Number<br><b>30-015-46916</b>               |                     | <sup>2</sup> Pool Code<br><b>98220</b>                             |                     | <sup>3</sup> Pool Name<br><b>Purple Sage; Wolfcamp (Gas)</b> |                             |                                  |                              |                                        |                       |
| <sup>4</sup> Property Code<br><b>327337</b>                  |                     | <sup>5</sup> Property Name<br><b>PALE RIDER 8/5 W10B STATE COM</b> |                     |                                                              |                             |                                  |                              | <sup>6</sup> Well Number<br><b>1H</b>  |                       |
| <sup>7</sup> GRID NO.<br><b>14744</b>                        |                     | <sup>8</sup> Operator Name<br><b>MEWBOURNE OIL COMPANY</b>         |                     |                                                              |                             |                                  |                              | <sup>9</sup> Elevation<br><b>3011'</b> |                       |
| <sup>10</sup> Surface Location                               |                     |                                                                    |                     |                                                              |                             |                                  |                              |                                        |                       |
| UL or lot no.<br><b>P</b>                                    | Section<br><b>8</b> | Township<br><b>25S</b>                                             | Range<br><b>28E</b> | Lot Idn                                                      | Feet from the<br><b>260</b> | North/South line<br><b>SOUTH</b> | Feet From the<br><b>1330</b> | East/West line<br><b>EAST</b>          | County<br><b>EDDY</b> |
| <sup>11</sup> Bottom Hole Location If Different From Surface |                     |                                                                    |                     |                                                              |                             |                                  |                              |                                        |                       |
| UL or lot no.<br><b>2</b>                                    | Section<br><b>5</b> | Township<br><b>25S</b>                                             | Range<br><b>28E</b> | Lot Idn                                                      | Feet from the<br><b>330</b> | North/South line<br><b>NORTH</b> | Feet from the<br><b>1650</b> | East/West line<br><b>EAST</b>          | County<br><b>EDDY</b> |
| <sup>12</sup> Dedicated Acres<br><b>641.17</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 interest have been consolidated or a non-standard unit has been approved by the division.

<sup>17</sup> OPERATOR CERTIFICATION

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

*Jackie Lathan* 04/27/2021  
Signature Date

Jackie Lathan  
Printed Name

jlathan@mewbourne.com  
E-mail Address

<sup>18</sup> SURVEYOR CERTIFICATION

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

11-08-2019

Date of Survey

Signature and Seal of Professional Surveyor

19680

Certificate Number

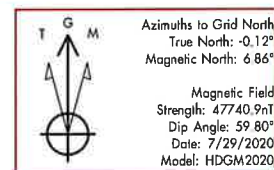


Job No: LS19111077

## Plan #2



Project: Eddy Co., NM (NAD 83)  
 Site: Pale Rider 8-5  
 Well: W10B State Com #1H  
 Wellbore: OH  
 Design: Plan #2  
 Lat: 32.138073  
 Long: -104.105287  
 GL: 3011.00  
 KB: KB=28' @ 3039.00usft



## WELL DETAILS: W10B State Com #1H

| +N/-S | +E/-W | Northing  | Easting   | Latitude  | Longitude   |
|-------|-------|-----------|-----------|-----------|-------------|
| 0.00  | 0.00  | 414041.30 | 611923.10 | 32.138073 | -104.105287 |

## WELLBORE TARGET DETAILS (LAT/LONG)

| Name                            | TVD     | +N/-S    | +E/-W   | Northing  | Easting   | Shape |
|---------------------------------|---------|----------|---------|-----------|-----------|-------|
| PR 8-5 W10B St Com #1H BB Point | 946.06  | -250.50  | -318.03 | 413790.80 | 611605.07 | Point |
| PR 8-5 W10B St Com #1H PBHL     | 9584.00 | 10016.90 | -351.50 | 424058.20 | 611571.60 | Point |

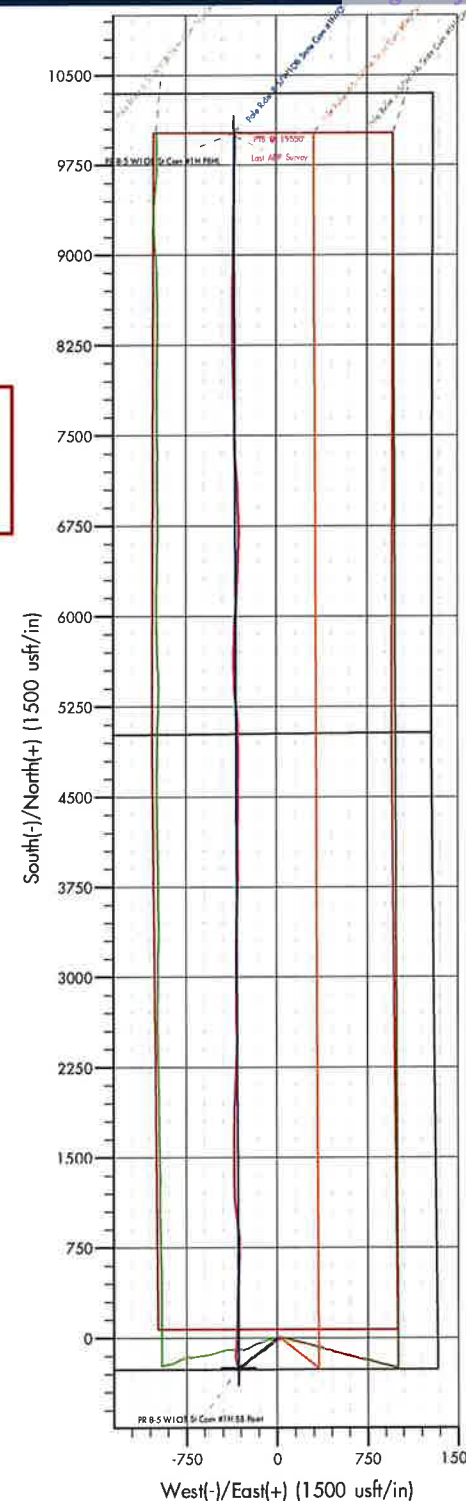
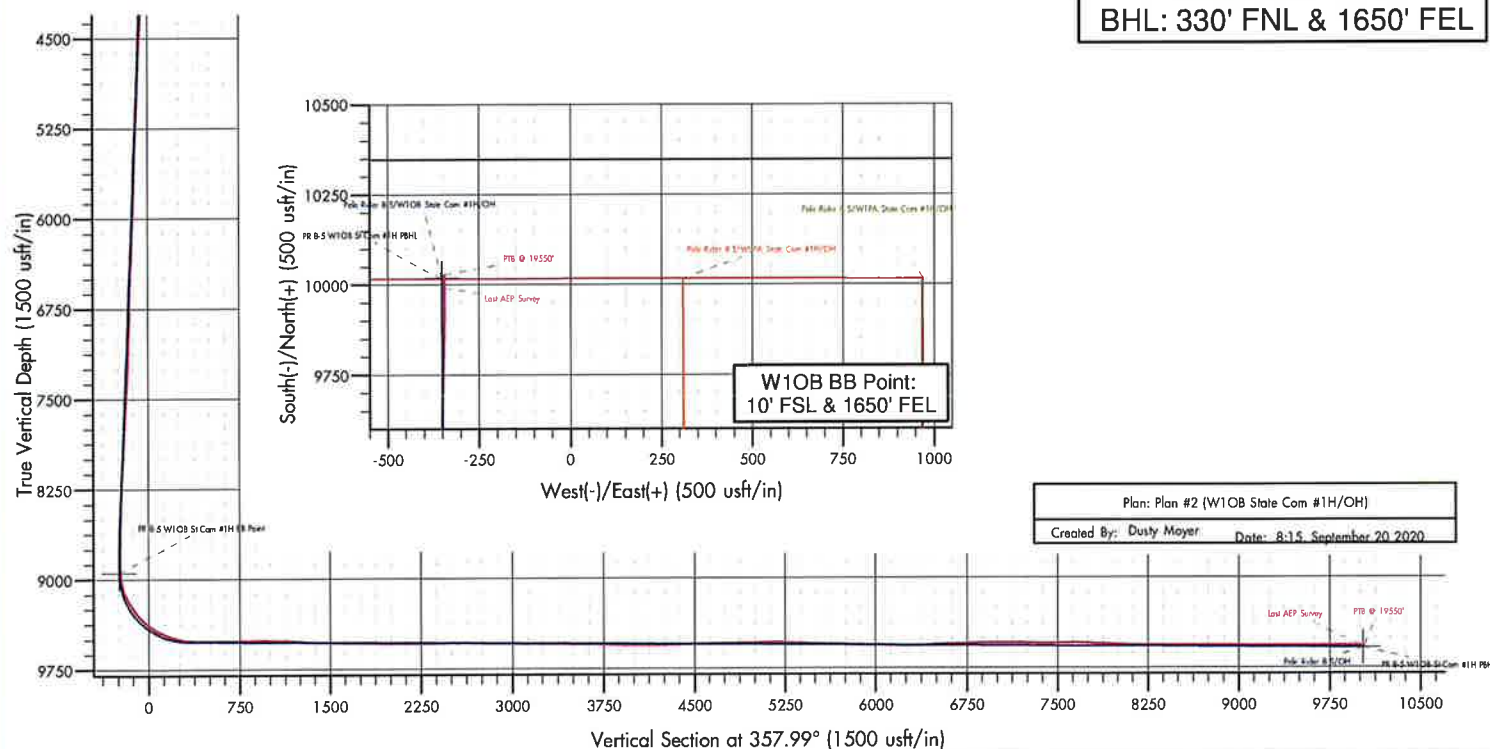
## SECTION DETAILS

| MD       | Inc   | Azi    | TVD     | +N/-S    | +E/-W   | Dleg  | TFace  | YSec     | Annotation      |
|----------|-------|--------|---------|----------|---------|-------|--------|----------|-----------------|
| 0.00     | 0.00  | 0.00   | 0.00    | 0.00     | 0.00    | 0.00  | 0.00   | 0.00     |                 |
| 2500.00  | 0.00  | 0.00   | 2500.00 | 0.00     | 0.00    | 0.00  | 0.00   | 0.00     | Build 1.5°/100' |
| 2749.19  | 3.74  | 231.77 | 2749.01 | -5.03    | -6.38   | 1.50  | 231.77 | -4.80    | 5960' Hold      |
| 8709.90  | 3.74  | 231.77 | 8697.05 | -245.47  | -311.65 | 0.00  | 0.00   | -234.39  | Drop 1.5°/100'  |
| 8959.09  | 0.00  | 0.00   | 8946.06 | -250.50  | -318.03 | 1.50  | 180.00 | -239.19  | Build 10°/100'  |
| 9855.25  | 89.62 | 359.81 | 9519.00 | 318.62   | -319.89 | 10.00 | 359.81 | 329.64   | 9698' Hold      |
| 19553.80 | 89.62 | 359.81 | 9584.00 | 10016.90 | -351.50 | 0.00  | 0.00   | 10023.07 | TD at 19553.80  |

330' FSL Hard Line  
 330' FNL Hard Line  
 330' FEL Hard Line  
 2310' FEL Hard Line

Pale Rider 8-5 W10B  
 State Com #1H  
 SHL: 260' FSL & 1330' FEL

Pale Rider 8-5 W10B  
 State Com #1H  
 BHL: 330' FNL & 1650' FEL





## Mewbourne Oil Company

Eddy Co., NM (NAD 83)

Pale Rider 8-5

W10B State Com #1H

OH

Design: OH

## Standard Survey Report

20 September, 2020







## Altitude Energy Partners

## Survey Report



|                  |                       |                                     |                           |
|------------------|-----------------------|-------------------------------------|---------------------------|
| <b>Company:</b>  | Mewbourne Oil Company | <b>Local Co-ordinate Reference:</b> | Well W10B State Com #1H   |
| <b>Project:</b>  | Eddy Co., NM (NAD 83) | <b>TVD Reference:</b>               | KB=28' @ 3039.00usft      |
| <b>Site:</b>     | Pale Rider 8-5        | <b>MD Reference:</b>                | KB=28' @ 3039.00usft      |
| <b>Well:</b>     | W10B State Com #1H    | <b>North Reference:</b>             | Grid                      |
| <b>Wellbore:</b> | OH                    | <b>Survey Calculation Method:</b>   | Minimum Curvature         |
| <b>Design:</b>   | OH                    | <b>Database:</b>                    | EDM 5000.1 Single User Db |

|                    |                           |                      |                |
|--------------------|---------------------------|----------------------|----------------|
| <b>Project</b>     | Eddy Co., NM (NAD 83)     |                      |                |
| <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   |                      |                |

|                       |                |              |                 |            |             |
|-----------------------|----------------|--------------|-----------------|------------|-------------|
| Site                  | Pale Rider 8-5 |              |                 |            |             |
| Site Position:        |                | Northing:    | 414,041.20 usft | Latitude:  | 32.138073   |
| From:                 | Map            | Easting:     | 611,893.20 usft | Longitude: | -104.105384 |
| Position Uncertainty: | 0.00 usft      | Slot Radius: | 13-3/16 "       |            |             |

|                      |                    |           |                     |                 |               |               |
|----------------------|--------------------|-----------|---------------------|-----------------|---------------|---------------|
| Well                 | W10B State Com #1H |           |                     |                 |               |               |
| Well Position        | +N/-S              | 0.00 usft | Northing:           | 414,041.30 usft | Latitude:     | 32.138073     |
|                      | +E/-W              | 0.00 usft | Easting:            | 611,923.10 usft | Longitude:    | -104.105287   |
| Position Uncertainty |                    | 0.00 usft | Wellhead Elevation: | usft            | Ground Level: | 3,011.00 usft |
| Grid Convergence:    |                    | 0.12 °    |                     |                 |               |               |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <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> |
|                  | HDGM2020          | 7/29/2020          | 6.98                   | 59.80                | 47,740.90000000            |

|                          |                                |                     |                     |                      |      |
|--------------------------|--------------------------------|---------------------|---------------------|----------------------|------|
| <b>Design</b>            | OH                             |                     |                     |                      |      |
| <b>Audit Notes:</b>      |                                |                     |                     |                      |      |
| <b>Version:</b>          | 1.0                            | <b>Phase:</b>       | ACTUAL              | <b>Tie On Depth:</b> | 0.00 |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Direction (°)</b> |      |
|                          | 0.00                           | 0.00                | 0.00                | 357.99               |      |

|                       |                  |                          |                  |                       |  |
|-----------------------|------------------|--------------------------|------------------|-----------------------|--|
| <b>Survey Program</b> | <b>Date</b>      | 9/20/2020                |                  |                       |  |
| <b>From (usft)</b>    | <b>To (usft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b> | <b>Description</b>    |  |
| 100.00                | 400.00           | Gyro (OH)                | GYRO-NS          | OWSG Gyrocompass Gyro |  |
| 514.00                | 19,550.00        | MWD Survey (OH)          | MWD              | OWSG MWD - Standard   |  |

|                              |                        |                    |                              |                     |                     |                                |                                |                               |                              |  |
|------------------------------|------------------------|--------------------|------------------------------|---------------------|---------------------|--------------------------------|--------------------------------|-------------------------------|------------------------------|--|
| <b>Survey</b>                |                        |                    |                              |                     |                     |                                |                                |                               |                              |  |
| <b>Measured Depth (usft)</b> | <b>Inclination (°)</b> | <b>Azimuth (°)</b> | <b>Vertical Depth (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Vertical Section (usft)</b> | <b>Dogleg Rate (°/100usft)</b> | <b>Build Rate (°/100usft)</b> | <b>Turn Rate (°/100usft)</b> |  |
| 0.00                         | 0.00                   | 0.00               | 0.00                         | 0.00                | 0.00                | 0.00                           | 0.00                           | 0.00                          | 0.00                         |  |
| 100.00                       | 0.76                   | 55.81              | 100.00                       | 0.37                | 0.55                | 0.35                           | 0.76                           | 0.76                          | 0.00                         |  |
| 200.00                       | 1.07                   | 34.69              | 199.98                       | 1.51                | 1.63                | 1.46                           | 0.45                           | 0.31                          | -21.12                       |  |
| 300.00                       | 1.35                   | 48.60              | 299.96                       | 3.06                | 3.04                | 2.95                           | 0.40                           | 0.28                          | 13.91                        |  |
| 400.00                       | 1.14                   | 75.39              | 399.94                       | 4.09                | 4.89                | 3.92                           | 0.61                           | -0.21                         | 26.79                        |  |
| 514.00                       | 1.23                   | 118.30             | 513.92                       | 3.80                | 7.06                | 3.55                           | 0.76                           | 0.08                          | 37.64                        |  |
| <b>First AEP Survey</b>      |                        |                    |                              |                     |                     |                                |                                |                               |                              |  |
| 700.00                       | 1.54                   | 109.07             | 699.86                       | 2.03                | 11.18               | 1.64                           | 0.20                           | 0.17                          | -4.96                        |  |
| 793.00                       | 1.71                   | 103.79             | 792.83                       | 1.29                | 13.71               | 0.81                           | 0.24                           | 0.18                          | -5.68                        |  |



# Altitude Energy Partners

## Survey Report



|           |                       |                              |                           |
|-----------|-----------------------|------------------------------|---------------------------|
| Company:  | Mewbourne Oil Company | Local Co-ordinate Reference: | Well W10B State Com #1H   |
| Project:  | Eddy Co., NM (NAD 83) | TVD Reference:               | KB=28' @ 3039.00usft      |
| Site:     | Pale Rider 8-5        | MD Reference:                | KB=28' @ 3039.00usft      |
| Well:     | W10B State Com #1H    | North Reference:             | Grid                      |
| Wellbore: | OH                    | Survey Calculation Method:   | Minimum Curvature         |
| Design:   | OH                    | Database:                    | EDM 5000.1 Single User Db |

### Survey

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 985.00                | 1.54            | 83.14       | 984.75                | 0.92         | 19.06        | 0.25                    | 0.32                    | -0.09                  | -10.76                |
| 1,176.00              | 1.19            | 61.08       | 1,175.70              | 2.18         | 23.34        | 1.36                    | 0.33                    | -0.18                  | -11.55                |
| 1,367.00              | 1.54            | 279.57      | 1,366.67              | 3.57         | 22.55        | 2.78                    | 1.35                    | 0.18                   | -74.09                |
| 1,557.00              | 1.01            | 285.64      | 1,556.63              | 4.45         | 18.42        | 3.80                    | 0.29                    | -0.28                  | 3.19                  |
| 1,748.00              | 0.22            | 289.42      | 1,747.61              | 5.02         | 16.45        | 4.44                    | 0.41                    | -0.41                  | 1.98                  |
| 1,937.00              | 1.23            | 100.54      | 1,936.60              | 4.77         | 18.10        | 4.13                    | 0.77                    | 0.53                   | 90.54                 |
| 2,126.00              | 2.33            | 94.21       | 2,125.51              | 4.12         | 23.93        | 3.28                    | 0.59                    | 0.58                   | -3.35                 |
| 2,314.00              | 2.59            | 87.71       | 2,313.33              | 4.01         | 31.98        | 2.88                    | 0.20                    | 0.14                   | -3.46                 |
| 2,507.00              | 1.80            | 77.60       | 2,506.19              | 4.83         | 39.30        | 3.45                    | 0.45                    | -0.41                  | -5.24                 |
| 2,695.00              | 3.12            | 236.33      | 2,694.12              | 2.63         | 37.93        | 1.30                    | 2.58                    | 0.70                   | 84.43                 |
| 2,883.00              | 4.31            | 237.12      | 2,881.72              | -4.04        | 27.73        | -5.01                   | 0.63                    | 0.63                   | 0.42                  |
| 3,072.00              | 4.22            | 236.24      | 3,070.20              | -11.76       | 15.99        | -12.32                  | 0.06                    | -0.05                  | -0.47                 |
| 3,263.00              | 3.87            | 239.50      | 3,260.72              | -18.94       | 4.59         | -19.09                  | 0.22                    | -0.18                  | 1.71                  |
| 3,454.00              | 3.56            | 243.36      | 3,451.32              | -24.87       | -6.26        | -24.63                  | 0.21                    | -0.16                  | 2.02                  |
| 3,643.00              | 5.14            | 241.87      | 3,639.77              | -31.49       | -18.97       | -30.81                  | 0.84                    | 0.84                   | -0.79                 |
| 3,831.00              | 4.22            | 241.69      | 3,827.14              | -38.74       | -32.49       | -37.58                  | 0.49                    | -0.49                  | -0.10                 |
| 4,021.00              | 3.87            | 239.94      | 4,016.67              | -45.27       | -44.19       | -43.69                  | 0.20                    | -0.18                  | -0.92                 |
| 4,210.00              | 3.65            | 239.85      | 4,205.26              | -51.49       | -54.92       | -49.53                  | 0.12                    | -0.12                  | -0.05                 |
| 4,399.00              | 4.92            | 227.81      | 4,393.73              | -59.95       | -66.12       | -57.60                  | 0.82                    | 0.67                   | -6.37                 |
| 4,587.00              | 4.53            | 227.28      | 4,581.09              | -70.40       | -77.55       | -67.64                  | 0.21                    | -0.21                  | -0.28                 |
| 4,775.00              | 3.87            | 226.84      | 4,768.59              | -79.78       | -87.63       | -76.66                  | 0.35                    | -0.35                  | -0.23                 |
| 4,963.00              | 4.40            | 235.01      | 4,956.10              | -88.25       | -98.17       | -84.76                  | 0.42                    | 0.28                   | 4.35                  |
| 5,152.00              | 4.18            | 231.59      | 5,144.57              | -96.69       | -109.51      | -92.79                  | 0.18                    | -0.12                  | -1.81                 |
| 5,246.00              | 3.78            | 234.31      | 5,238.34              | -100.63      | -114.71      | -96.54                  | 0.47                    | -0.43                  | 2.89                  |
| 5,435.00              | 4.09            | 245.74      | 5,426.90              | -107.03      | -125.91      | -102.55                 | 0.45                    | 0.16                   | 6.05                  |
| 5,530.00              | 3.91            | 244.95      | 5,521.67              | -109.80      | -131.94      | -105.10                 | 0.20                    | -0.19                  | -0.83                 |
| 5,718.00              | 3.60            | 244.68      | 5,709.26              | -115.03      | -143.08      | -109.95                 | 0.17                    | -0.16                  | -0.14                 |
| 5,907.00              | 4.75            | 234.84      | 5,897.76              | -122.08      | -154.84      | -116.57                 | 0.71                    | 0.61                   | -5.21                 |
| 6,097.00              | 4.09            | 235.28      | 6,087.19              | -130.47      | -166.84      | -124.54                 | 0.35                    | -0.35                  | 0.23                  |
| 6,288.00              | 4.35            | 216.38      | 6,277.69              | -140.18      | -176.74      | -133.90                 | 0.74                    | 0.14                   | -9.90                 |
| 6,479.00              | 3.16            | 227.72      | 6,468.28              | -149.55      | -184.93      | -142.98                 | 0.73                    | -0.62                  | 5.94                  |
| 6,671.00              | 4.04            | 242.66      | 6,659.90              | -156.22      | -194.85      | -149.29                 | 0.67                    | 0.46                   | 7.78                  |
| 6,862.00              | 3.52            | 263.75      | 6,850.49              | -159.95      | -206.66      | -152.60                 | 0.77                    | -0.27                  | 11.04                 |
| 7,053.00              | 4.62            | 231.06      | 7,041.03              | -165.42      | -218.47      | -157.66                 | 1.32                    | 0.58                   | -17.12                |
| 7,244.00              | 3.08            | 229.04      | 7,231.60              | -173.62      | -228.33      | -165.51                 | 0.81                    | -0.81                  | -1.06                 |
| 7,436.00              | 4.04            | 210.67      | 7,423.23              | -182.82      | -235.68      | -174.44                 | 0.77                    | 0.50                   | -9.57                 |
| 7,627.00              | 5.01            | 228.60      | 7,613.64              | -194.12      | -245.36      | -185.40                 | 0.89                    | 0.51                   | 9.39                  |
| 7,818.00              | 4.22            | 217.96      | 7,804.02              | -205.18      | -255.94      | -196.08                 | 0.61                    | -0.41                  | -5.57                 |
| 8,009.00              | 3.82            | 208.82      | 7,994.56              | -216.30      | -263.33      | -206.93                 | 0.39                    | -0.21                  | -4.79                 |
| 8,201.00              | 5.10            | 231.23      | 8,185.98              | -227.24      | -273.07      | -217.53                 | 1.11                    | 0.67                   | 11.67                 |
| 8,391.00              | 3.43            | 241.08      | 8,375.45              | -235.28      | -284.63      | -225.16                 | 0.96                    | -0.88                  | 5.18                  |
| 8,583.00              | 3.96            | 245.30      | 8,567.05              | -240.83      | -295.68      | -230.31                 | 0.31                    | 0.28                   | 2.20                  |
| 8,774.00              | 4.53            | 266.57      | 8,757.54              | -244.04      | -309.20      | -233.04                 | 0.87                    | 0.30                   | 11.14                 |



## Altitude Energy Partners

## Survey Report



|           |                       |                              |                           |
|-----------|-----------------------|------------------------------|---------------------------|
| Company:  | Mewbourne Oil Company | Local Co-ordinate Reference: | Well W10B State Com #1H   |
| Project:  | Eddy Co., NM (NAD 83) | TVD Reference:               | KB=28' @ 3039.00usft      |
| Site:     | Pale Rider 8-5        | MD Reference:                | KB=28' @ 3039.00usft      |
| Well:     | W10B State Com #1H    | North Reference:             | Grid                      |
| Wellbore: | OH                    | Survey Calculation Method:   | Minimum Curvature         |
| Design:   | OH                    | Database:                    | EDM 5000.1 Single User Db |

| Survey                |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 8,884.00              | 4.35            | 267.89      | 8,867.21              | -244.45      | -317.71      | -233.16                 | 0.19                    | -0.16                  | 1.20                  |
| 8,981.00              | 4.92            | 340.13      | 8,963.97              | -240.67      | -322.80      | -229.20                 | 5.65                    | 0.59                   | 74.47                 |
| 9,028.00              | 9.36            | 337.32      | 9,010.59              | -235.25      | -324.96      | -223.71                 | 9.47                    | 9.45                   | -5.98                 |
| 9,077.00              | 14.81           | 343.91      | 9,058.49              | -225.54      | -328.24      | -213.90                 | 11.46                   | 11.12                  | 13.45                 |
| 9,124.00              | 20.26           | 346.99      | 9,103.29              | -211.83      | -331.74      | -200.07                 | 11.76                   | 11.60                  | 6.55                  |
| 9,173.00              | 26.29           | 348.22      | 9,148.28              | -192.93      | -335.87      | -181.03                 | 12.35                   | 12.31                  | 2.51                  |
| 9,220.00              | 30.81           | 352.00      | 9,189.56              | -170.81      | -339.67      | -158.79                 | 10.35                   | 9.62                   | 8.04                  |
| 9,268.00              | 33.93           | 0.52        | 9,230.12              | -145.22      | -341.26      | -133.16                 | 11.50                   | 6.50                   | 17.75                 |
| 9,315.00              | 37.58           | 5.18        | 9,268.26              | -117.81      | -339.84      | -105.82                 | 9.68                    | 7.77                   | 9.91                  |
| 9,364.00              | 40.31           | 6.41        | 9,306.36              | -87.17       | -336.73      | -75.31                  | 5.79                    | 5.57                   | 2.51                  |
| 9,411.00              | 44.66           | 3.07        | 9,341.02              | -55.55       | -334.14      | -43.80                  | 10.42                   | 9.26                   | -7.11                 |
| 9,459.00              | 50.02           | 359.56      | 9,373.54              | -20.29       | -333.38      | -8.58                   | 12.39                   | 11.17                  | -7.31                 |
| 9,506.00              | 54.86           | 1.84        | 9,402.19              | 16.95        | -332.90      | 28.62                   | 10.99                   | 10.30                  | 4.85                  |
| 9,555.00              | 61.45           | 3.25        | 9,428.03              | 58.51        | -331.03      | 70.08                   | 13.67                   | 13.45                  | 2.88                  |
| 9,602.00              | 65.71           | 1.75        | 9,448.94              | 100.55       | -329.21      | 112.03                  | 9.50                    | 9.06                   | -3.19                 |
| 9,650.00              | 68.70           | 0.70        | 9,467.53              | 144.79       | -328.27      | 156.21                  | 6.55                    | 6.23                   | -2.19                 |
| 9,697.00              | 72.35           | 0.96        | 9,483.20              | 189.08       | -327.63      | 200.46                  | 7.78                    | 7.77                   | 0.55                  |
| 9,746.00              | 75.38           | 0.61        | 9,496.81              | 236.14       | -326.98      | 247.47                  | 6.22                    | 6.18                   | -0.71                 |
| 9,793.00              | 80.44           | 1.58        | 9,506.65              | 282.08       | -326.10      | 293.34                  | 10.95                   | 10.77                  | 2.06                  |
| 9,813.00              | 82.81           | 1.84        | 9,509.57              | 301.85       | -325.51      | 313.08                  | 11.92                   | 11.85                  | 1.30                  |
| 9,867.00              | 87.52           | 1.84        | 9,514.12              | 355.62       | -323.78      | 366.76                  | 8.72                    | 8.72                   | 0.00                  |
| 9,963.00              | 89.45           | 1.93        | 9,516.66              | 451.53       | -320.63      | 462.50                  | 2.01                    | 2.01                   | 0.09                  |
| 10,059.00             | 90.02           | 1.84        | 9,517.10              | 547.48       | -317.47      | 558.27                  | 0.60                    | 0.59                   | -0.09                 |
| 10,154.00             | 90.90           | 1.40        | 9,516.34              | 642.43       | -314.78      | 653.08                  | 1.04                    | 0.93                   | -0.46                 |
| 10,250.00             | 92.09           | 0.61        | 9,513.83              | 738.38       | -313.10      | 748.91                  | 1.49                    | 1.24                   | -0.82                 |
| 10,345.00             | 91.25           | 357.01      | 9,511.06              | 833.31       | -315.07      | 843.84                  | 3.89                    | -0.88                  | -3.79                 |
| 10,377.00             | 90.73           | 355.86      | 9,510.51              | 865.24       | -317.06      | 875.83                  | 3.94                    | -1.63                  | -3.59                 |
| 10,409.00             | 90.42           | 354.37      | 9,510.19              | 897.12       | -319.79      | 907.78                  | 4.76                    | -0.97                  | -4.66                 |
| 10,441.00             | 90.11           | 353.31      | 9,510.04              | 928.94       | -323.22      | 939.70                  | 3.45                    | -0.97                  | -3.31                 |
| 10,536.00             | 88.57           | 352.96      | 9,511.13              | 1,023.24     | -334.57      | 1,034.35                | 1.66                    | -1.62                  | -0.37                 |
| 10,632.00             | 88.00           | 354.02      | 9,514.01              | 1,118.58     | -345.45      | 1,130.01                | 1.25                    | -0.59                  | 1.10                  |
| 10,728.00             | 86.55           | 357.36      | 9,518.57              | 1,214.19     | -352.66      | 1,225.81                | 3.79                    | -1.51                  | 3.48                  |
| 10,823.00             | 87.56           | 359.64      | 9,523.45              | 1,309.02     | -355.14      | 1,320.67                | 2.62                    | 1.06                   | 2.40                  |
| 10,919.00             | 88.79           | 0.43        | 9,526.51              | 1,404.97     | -355.08      | 1,416.56                | 1.52                    | 1.28                   | 0.82                  |
| 11,015.00             | 88.53           | 0.17        | 9,528.76              | 1,500.94     | -354.58      | 1,512.45                | 0.38                    | -0.27                  | -0.27                 |
| 11,110.00             | 88.48           | 359.64      | 9,531.24              | 1,595.91     | -354.74      | 1,607.37                | 0.56                    | -0.05                  | -0.56                 |
| 11,206.00             | 89.05           | 359.99      | 9,533.30              | 1,691.88     | -355.05      | 1,703.30                | 0.70                    | 0.59                   | 0.36                  |
| 11,301.00             | 89.01           | 1.40        | 9,534.91              | 1,786.86     | -353.90      | 1,798.17                | 1.48                    | -0.04                  | 1.48                  |
| 11,396.00             | 88.92           | 2.63        | 9,536.63              | 1,881.79     | -350.56      | 1,892.92                | 1.30                    | -0.09                  | 1.29                  |
| 11,491.00             | 89.41           | 2.89        | 9,538.01              | 1,976.66     | -345.98      | 1,987.58                | 0.58                    | 0.52                   | 0.27                  |
| 11,586.00             | 89.67           | 2.28        | 9,538.78              | 2,071.56     | -341.70      | 2,082.27                | 0.70                    | 0.27                   | -0.64                 |
| 11,682.00             | 90.51           | 2.63        | 9,538.63              | 2,167.48     | -337.59      | 2,177.98                | 0.95                    | 0.88                   | 0.36                  |
| 11,777.00             | 90.42           | 2.63        | 9,537.85              | 2,262.37     | -333.23      | 2,272.67                | 0.09                    | -0.09                  | 0.00                  |
| 11,873.00             | 90.99           | 2.81        | 9,536.67              | 2,358.26     | -328.67      | 2,368.33                | 0.62                    | 0.59                   | 0.19                  |





# Altitude Energy Partners

## Survey Report



|           |                       |                              |                           |
|-----------|-----------------------|------------------------------|---------------------------|
| Company:  | Mewbourne Oil Company | Local Co-ordinate Reference: | Well W10B State Com #1H   |
| Project:  | Eddy Co., NM (NAD 83) | TVD Reference:               | KB=28' @ 3039.00usft      |
| Site:     | Pale Rider 8-5        | MD Reference:                | KB=28' @ 3039.00usft      |
| Well:     | W10B State Com #1H    | North Reference:             | Grid                      |
| Wellbore: | OH                    | Survey Calculation Method:   | Minimum Curvature         |
| Design:   | OH                    | Database:                    | EDM 5000.1 Single User Db |

| Survey                |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 11,969.00             | 90.81           | 359.82      | 9,535.16              | 2,454.21     | -326.47      | 2,464.15                | 3.12                    | -0.19                  | -3.11                 |
| 12,064.00             | 89.36           | 357.18      | 9,535.02              | 2,549.16     | -328.96      | 2,559.13                | 3.17                    | -1.53                  | -2.78                 |
| 12,160.00             | 89.63           | 357.97      | 9,535.87              | 2,645.07     | -333.02      | 2,655.13                | 0.87                    | 0.28                   | 0.82                  |
| 12,256.00             | 88.92           | 359.38      | 9,537.08              | 2,741.04     | -335.24      | 2,751.11                | 1.64                    | -0.74                  | 1.47                  |
| 12,351.00             | 89.54           | 0.79        | 9,538.36              | 2,836.03     | -335.10      | 2,846.03                | 1.62                    | 0.65                   | 1.48                  |
| 12,447.00             | 89.27           | 0.61        | 9,539.36              | 2,932.01     | -333.92      | 2,941.92                | 0.34                    | -0.28                  | -0.19                 |
| 12,542.00             | 89.36           | 359.91      | 9,540.49              | 3,027.01     | -333.49      | 3,036.84                | 0.74                    | 0.09                   | -0.74                 |
| 12,637.00             | 89.27           | 0.26        | 9,541.63              | 3,122.00     | -333.35      | 3,131.77                | 0.38                    | -0.09                  | 0.37                  |
| 12,733.00             | 89.36           | 0.08        | 9,542.78              | 3,217.99     | -333.07      | 3,227.69                | 0.21                    | 0.09                   | -0.19                 |
| 12,828.00             | 89.58           | 0.79        | 9,543.66              | 3,312.98     | -332.34      | 3,322.60                | 0.78                    | 0.23                   | 0.75                  |
| 12,924.00             | 89.32           | 0.17        | 9,544.58              | 3,408.98     | -331.54      | 3,418.51                | 0.70                    | -0.27                  | -0.65                 |
| 13,019.00             | 89.14           | 1.23        | 9,545.85              | 3,503.96     | -330.38      | 3,513.39                | 1.13                    | -0.19                  | 1.12                  |
| 13,115.00             | 89.63           | 1.49        | 9,546.89              | 3,599.93     | -328.10      | 3,609.22                | 0.58                    | 0.51                   | 0.27                  |
| 13,210.00             | 89.32           | 2.54        | 9,547.76              | 3,694.86     | -324.76      | 3,703.98                | 1.15                    | -0.33                  | 1.11                  |
| 13,306.00             | 88.13           | 1.14        | 9,549.89              | 3,790.78     | -321.68      | 3,799.73                | 1.91                    | -1.24                  | -1.46                 |
| 13,401.00             | 88.97           | 359.73      | 9,552.30              | 3,885.75     | -320.96      | 3,894.61                | 1.73                    | 0.88                   | -1.48                 |
| 13,497.00             | 88.48           | 358.59      | 9,554.43              | 3,981.71     | -322.37      | 3,990.57                | 1.29                    | -0.51                  | -1.19                 |
| 13,593.00             | 90.33           | 359.73      | 9,555.43              | 4,077.69     | -323.77      | 4,086.54                | 2.26                    | 1.93                   | 1.19                  |
| 13,689.00             | 90.99           | 359.64      | 9,554.32              | 4,173.68     | -324.30      | 4,182.49                | 0.69                    | 0.69                   | -0.09                 |
| 13,784.00             | 91.60           | 0.87        | 9,552.18              | 4,268.65     | -323.88      | 4,277.39                | 1.44                    | 0.64                   | 1.29                  |
| 13,880.00             | 91.74           | 0.52        | 9,549.38              | 4,364.61     | -322.71      | 4,373.24                | 0.39                    | 0.15                   | -0.36                 |
| 13,976.00             | 90.24           | 0.26        | 9,547.72              | 4,460.59     | -322.06      | 4,469.14                | 1.59                    | -1.56                  | -0.27                 |
| 14,071.00             | 91.96           | 0.79        | 9,545.90              | 4,555.56     | -321.19      | 4,564.02                | 1.89                    | 1.81                   | 0.56                  |
| 14,166.00             | 91.82           | 0.70        | 9,542.76              | 4,650.50     | -319.96      | 4,658.86                | 0.18                    | -0.15                  | -0.09                 |
| 14,262.00             | 90.37           | 359.47      | 9,540.93              | 4,746.48     | -319.81      | 4,754.78                | 1.98                    | -1.51                  | -1.28                 |
| 14,357.00             | 90.55           | 359.82      | 9,540.17              | 4,841.47     | -320.40      | 4,849.73                | 0.41                    | 0.19                   | 0.37                  |
| 14,453.00             | 90.86           | 359.47      | 9,538.98              | 4,937.47     | -321.00      | 4,945.69                | 0.49                    | 0.32                   | -0.36                 |
| 14,545.00             | 92.09           | 0.52        | 9,536.62              | 5,029.43     | -321.01      | 5,037.60                | 1.76                    | 1.34                   | 1.14                  |
| 14,640.00             | 90.42           | 357.27      | 9,534.53              | 5,124.38     | -322.84      | 5,132.54                | 3.85                    | -1.76                  | -3.42                 |
| 14,735.00             | 87.96           | 354.55      | 9,535.88              | 5,219.11     | -329.61      | 5,227.46                | 3.86                    | -2.59                  | -2.86                 |
| 14,831.00             | 88.35           | 354.11      | 9,538.97              | 5,314.59     | -339.09      | 5,323.21                | 0.61                    | 0.41                   | -0.46                 |
| 14,927.00             | 87.82           | 355.16      | 9,542.18              | 5,410.11     | -348.06      | 5,418.99                | 1.22                    | -0.55                  | 1.09                  |
| 15,022.00             | 87.74           | 357.80      | 9,545.86              | 5,504.85     | -353.89      | 5,513.88                | 2.78                    | -0.08                  | 2.78                  |
| 15,118.00             | 88.75           | 359.47      | 9,548.80              | 5,600.78     | -356.18      | 5,609.82                | 2.03                    | 1.05                   | 1.74                  |
| 15,214.00             | 89.27           | 1.05        | 9,550.46              | 5,696.76     | -355.74      | 5,705.73                | 1.73                    | 0.54                   | 1.65                  |
| 15,309.00             | 88.09           | 2.10        | 9,552.64              | 5,791.69     | -353.13      | 5,800.52                | 1.66                    | -1.24                  | 1.11                  |
| 15,405.00             | 89.19           | 3.51        | 9,554.92              | 5,887.55     | -348.43      | 5,896.15                | 1.86                    | 1.15                   | 1.47                  |
| 15,500.00             | 89.45           | 4.21        | 9,556.05              | 5,982.33     | -342.04      | 5,990.64                | 0.79                    | 0.27                   | 0.74                  |
| 15,596.00             | 88.88           | 3.07        | 9,557.45              | 6,078.12     | -335.94      | 6,086.16                | 1.33                    | -0.59                  | -1.19                 |
| 15,692.00             | 88.92           | 3.25        | 9,559.29              | 6,173.96     | -330.65      | 6,181.75                | 0.19                    | 0.04                   | 0.19                  |
| 15,787.00             | 89.76           | 2.54        | 9,560.39              | 6,268.83     | -325.86      | 6,276.40                | 1.16                    | 0.88                   | -0.75                 |
| 15,882.00             | 91.91           | 1.14        | 9,559.00              | 6,363.76     | -322.81      | 6,371.17                | 2.70                    | 2.26                   | -1.47                 |
| 15,977.00             | 93.54           | 1.66        | 9,554.49              | 6,458.62     | -320.49      | 6,465.89                | 1.80                    | 1.72                   | 0.55                  |





## Altitude Energy Partners

## Survey Report



|           |                       |                              |                           |
|-----------|-----------------------|------------------------------|---------------------------|
| Company:  | Mewbourne Oil Company | Local Co-ordinate Reference: | Well W1OB State Com #1H   |
| Project:  | Eddy Co., NM (NAD 83) | TVD Reference:               | KB=28' @ 3039.00usft      |
| Site:     | Pale Rider 8-5        | MD Reference:                | KB=28' @ 3039.00usft      |
| Well:     | W1OB State Com #1H    | North Reference:             | Grid                      |
| Wellbore: | OH                    | Survey Calculation Method:   | Minimum Curvature         |
| Design:   | OH                    | Database:                    | EDM 5000.1 Single User Db |

| Survey                |                 |             |                       |             |             |                         |                         |                         |                       |
|-----------------------|-----------------|-------------|-----------------------|-------------|-------------|-------------------------|-------------------------|-------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | #N/S (usft) | #E/W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Bull's Rate (°/100usft) | Turn Rate (°/100usft) |
| 16,072.00             | 92.84           | 1.66        | 9,549.20              | 6,553.43    | -317.74     | 6,560.54                | 0.74                    | -0.74                   | 0.00                  |
| 16,167.00             | 91.47           | 0.79        | 9,545.63              | 6,648.34    | -315.71     | 6,655.32                | 1.71                    | -1.44                   | -0.92                 |
| 16,263.00             | 90.77           | 359.20      | 9,543.75              | 6,744.32    | -315.72     | 6,751.24                | 1.81                    | -0.73                   | -1.66                 |
| 16,359.00             | 90.29           | 358.59      | 9,542.86              | 6,840.30    | -317.57     | 6,847.23                | 0.81                    | -0.50                   | -0.64                 |
| 16,454.00             | 90.73           | 358.50      | 9,542.02              | 6,935.26    | -319.98     | 6,942.22                | 0.47                    | 0.46                    | -0.09                 |
| 16,549.00             | 90.55           | 358.32      | 9,540.96              | 7,030.22    | -322.62     | 7,037.21                | 0.27                    | -0.19                   | -0.19                 |
| 16,645.00             | 89.36           | 355.86      | 9,541.03              | 7,126.09    | -327.49     | 7,133.19                | 2.85                    | -1.24                   | -2.56                 |
| 16,741.00             | 88.53           | 354.19      | 9,542.80              | 7,221.70    | -335.81     | 7,229.04                | 1.94                    | -0.86                   | -1.74                 |
| 16,836.00             | 89.23           | 356.65      | 9,544.66              | 7,316.37    | -343.40     | 7,323.92                | 2.69                    | 0.74                    | 2.59                  |
| 16,932.00             | 90.02           | 358.85      | 9,545.29              | 7,412.29    | -347.17     | 7,419.91                | 2.43                    | 0.82                    | 2.29                  |
| 17,027.00             | 91.12           | 0.61        | 9,544.34              | 7,507.28    | -347.61     | 7,514.85                | 2.18                    | 1.16                    | 1.85                  |
| 17,123.00             | 90.37           | 0.61        | 9,543.09              | 7,603.27    | -346.59     | 7,610.74                | 0.78                    | -0.78                   | 0.00                  |
| 17,219.00             | 89.01           | 358.32      | 9,543.61              | 7,699.25    | -347.49     | 7,706.70                | 2.77                    | -1.42                   | -2.39                 |
| 17,314.00             | 87.87           | 357.45      | 9,546.20              | 7,794.15    | -350.99     | 7,801.66                | 1.51                    | -1.20                   | -0.92                 |
| 17,410.00             | 87.87           | 358.32      | 9,549.77              | 7,890.02    | -354.53     | 7,897.60                | 0.91                    | 0.00                    | 0.91                  |
| 17,505.00             | 88.26           | 358.50      | 9,552.97              | 7,984.93    | -357.17     | 7,992.54                | 0.45                    | 0.41                    | 0.19                  |
| 17,600.00             | 88.13           | 358.24      | 9,555.97              | 8,079.84    | -359.87     | 8,087.49                | 0.31                    | -0.14                   | -0.27                 |
| 17,695.00             | 88.66           | 358.24      | 9,558.63              | 8,174.76    | -362.79     | 8,182.45                | 0.56                    | 0.56                    | 0.00                  |
| 17,791.00             | 89.58           | 358.94      | 9,560.10              | 8,270.72    | -365.15     | 8,278.43                | 1.20                    | 0.96                    | 0.73                  |
| 17,886.00             | 90.33           | 0.26        | 9,560.18              | 8,365.71    | -365.81     | 8,373.39                | 1.60                    | 0.79                    | 1.39                  |
| 17,982.00             | 89.05           | 0.35        | 9,560.69              | 8,461.71    | -365.30     | 8,469.31                | 1.34                    | -1.33                   | 0.09                  |
| 18,077.00             | 90.07           | 0.79        | 9,561.42              | 8,556.70    | -364.35     | 8,564.21                | 1.17                    | 1.07                    | 0.46                  |
| 18,173.00             | 89.89           | 0.79        | 9,561.46              | 8,652.69    | -363.03     | 8,660.10                | 0.19                    | -0.19                   | 0.00                  |
| 18,269.00             | 89.49           | 0.08        | 9,561.98              | 8,748.68    | -362.30     | 8,756.01                | 0.85                    | -0.42                   | -0.74                 |
| 18,364.00             | 90.20           | 1.40        | 9,562.23              | 8,843.67    | -361.07     | 8,850.90                | 1.58                    | 0.75                    | 1.39                  |
| 18,460.00             | 89.98           | 1.14        | 9,562.08              | 8,939.65    | -358.95     | 8,946.74                | 0.35                    | -0.23                   | -0.27                 |
| 18,556.00             | 89.23           | 0.61        | 9,562.75              | 9,035.63    | -357.48     | 9,042.61                | 0.96                    | -0.78                   | -0.55                 |
| 18,651.00             | 89.10           | 0.70        | 9,564.13              | 9,130.62    | -356.40     | 9,137.50                | 0.17                    | -0.14                   | 0.09                  |
| 18,747.00             | 89.23           | 359.99      | 9,565.53              | 9,226.61    | -355.82     | 9,233.41                | 0.75                    | 0.14                    | -0.74                 |
| 18,842.00             | 91.21           | 0.96        | 9,565.16              | 9,321.60    | -355.03     | 9,328.31                | 2.32                    | 2.08                    | 1.02                  |
| 18,938.00             | 89.41           | 0.35        | 9,564.64              | 9,417.58    | -353.93     | 9,424.20                | 1.98                    | -1.88                   | -0.64                 |
| 19,034.00             | 90.33           | 1.14        | 9,564.86              | 9,513.57    | -352.68     | 9,520.09                | 1.26                    | 0.96                    | 0.82                  |
| 19,129.00             | 89.23           | 0.61        | 9,565.23              | 9,608.56    | -351.23     | 9,614.97                | 1.29                    | -1.16                   | -0.56                 |
| 19,225.00             | 91.08           | 1.75        | 9,564.97              | 9,704.53    | -349.26     | 9,710.81                | 2.26                    | 1.93                    | 1.19                  |
| 19,320.00             | 90.59           | 1.58        | 9,563.58              | 9,799.48    | -346.50     | 9,805.61                | 0.55                    | -0.52                   | -0.18                 |
| 19,416.00             | 89.10           | 0.17        | 9,563.84              | 9,895.47    | -345.03     | 9,901.48                | 2.14                    | -1.55                   | -1.47                 |
| 19,512.00             | 89.05           | 0.26        | 9,565.39              | 9,991.45    | -344.67     | 9,997.39                | 0.11                    | -0.05                   | 0.09                  |
| Last AEP Survey       |                 |             |                       |             |             |                         |                         |                         |                       |
| 19,550.00             | 89.05           | 0.26        | 9,566.02              | 10,029.45   | -344.50     | 10,035.36               | 0.00                    | 0.00                    | 0.00                  |
| PTB @ 19550'          |                 |             |                       |             |             |                         |                         |                         |                       |



# Altitude Energy Partners

## Survey Report



|           |                       |                              |                           |
|-----------|-----------------------|------------------------------|---------------------------|
| Company:  | Mewbourne Oil Company | Local Ge-ordinate Reference: | Well W10B State Com #1H   |
| Project:  | Eddy Co., NM (NAD 83) | TVD Reference:               | KB=28' @ 3039.00usft      |
| Site:     | Pale Rider 8-5        | MD Reference:                | KB=28' @ 3039.00usft      |
| Well:     | W10B State Com #1H    | North Reference:             | Grid                      |
| Wellbore: | OH                    | Survey Calculation Method:   | Minimum Curvature         |
| Design:   | OH                    | Database:                    | EDM 5000.1 Single User Db |

### Design Annotations

| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Local Coordinates |                 | Comment          |
|-----------------------------|-----------------------------|-------------------|-----------------|------------------|
|                             |                             | +N/-S<br>(usft)   | +E/-W<br>(usft) |                  |
| 514.00                      | 513.92                      | 3.80              | 7.06            | First AEP Survey |
| 19,512.00                   | 9,565.39                    | 9,991.45          | -344.67         | Last AEP Survey  |
| 19,550.00                   | 9,566.02                    | 10,029.45         | -344.50         | PTB @ 19550'     |

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



# ALTITUDE ENERGY PARTNERS LLC. SURVEY DATA CERTIFICATION

|                     |                                  |                    |                       |
|---------------------|----------------------------------|--------------------|-----------------------|
| ALTITUDE JOB NUMBER | AEP20120                         | OPERATOR           | Mewbourne Oil Company |
| WELL NAME           | Pale Rider 8-5-W10B State Com 1H | COUNTY & STATE     | Eddy Co, NM           |
| API WELL NUMBER     | 30-015-                          | PROPOSED DIRECTION | 357.99                |
| Latitude            | 32.138073                        | Longitude          | -104.105287           |

| TIE-IN DATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           |        |         |                                    |                   |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|---------|------------------------------------|-------------------|--------|
| MEASURED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | VERTICAL  |        |         | N-S                                | E-W               | DATA   |
| DEPTH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DEPTH     | INCLIN | AZIMUTH | COORD                              | COORD             | SOURCE |
| 400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 399.94    | 1.14   | 75.39   | 4.09                               | 4.89              | Gyro   |
| FIRST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FIRST     |        |         |                                    | SURVEY INSTRUMENT |        |
| SURVEY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | SURVEY    |        |         |                                    | TYPE              |        |
| DATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | DEPTH     | INCLIN | AZIMUTH |                                    | MWD               |        |
| 9/3/2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 514       | 1.23   | 118.30  | MAGNETIC DECLINATION OR TOTAL GRID |                   |        |
| LAST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | LAST      |        |         | TOTAL CORRECTION USED              |                   | 6.85   |
| SURVEY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | SURVEY    |        |         | DECLINATION OR GRID                |                   | Grid   |
| DATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | DEPTH     | INCLIN | AZIMUTH |                                    |                   |        |
| 9/19/2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 19512     | 89.05  | 0.26    |                                    |                   |        |
| PROJECTED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | PROJECTED |        |         |                                    |                   |        |
| TD SURVEY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | TD SURVEY |        |         |                                    |                   |        |
| DATE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | DEPTH     | INCLIN | AZIMUTH |                                    |                   |        |
| 9/19/2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 19550     | 89.05  | 0.26    |                                    |                   |        |
| <p>The data and calculations for this survey have been checked by me and conform to the calibration standards and operational procedures set forth by Altitude Energy Partners LLC. I am authorized and qualified to review the data, calculations and this report, and that the report represents a true and correct Directional Survey of this well based on the original data corrected to True North and obtained at the well site. Wellbore coordinates are calculated using Minimum curvature or other method.</p> |           |        |         | Rorary Cummings                    |                   |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           |        |         | PRINT MWD NAME ABOVE               |                   |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           |        |         | Rorary Cummings                    |                   |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           |        |         | SIGN MWD NAME ABOVE                |                   |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           |        |         | 09/19/2020                         |                   |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |           |        |         | TODAY'S DATE                       |                   |        |

Rorary Cummings

PRINT MWD NAME ABOVE

Rorary Cummings

SIGN MWD NAME ABOVE

09/19/2020

TODAY'S DATE

7197 Derrick Dr.

Casper, WY 82604

307-237-2372

Intent ☐ As Drilled ☒

|                                     |                                                 |                   |
|-------------------------------------|-------------------------------------------------|-------------------|
| API #<br>30-015-46916               |                                                 |                   |
| Operator Name:<br>Mewbourne Oil Co. | Property Name:<br>Pale Rider 8/5 W1OB State Com | Well Number<br>1H |

## Kick Off Point (KOP)

|                        |              |                 |              |     |                           |               |              |               |                |
|------------------------|--------------|-----------------|--------------|-----|---------------------------|---------------|--------------|---------------|----------------|
| UL<br>O                | Section<br>8 | Township<br>25S | Range<br>28E | Lot | Feet<br>20                | From N/S<br>S | Feet<br>1654 | From E/W<br>E | County<br>Eddy |
| Latitude<br>32.1374131 |              |                 |              |     | Longitude<br>-104.1063315 |               |              |               | NAD<br>83      |

## First Take Point (FTP)

|                        |              |                 |              |     |                           |               |              |               |                |
|------------------------|--------------|-----------------|--------------|-----|---------------------------|---------------|--------------|---------------|----------------|
| UL<br>O                | Section<br>8 | Township<br>25S | Range<br>28E | Lot | Feet<br>358               | From N/S<br>S | Feet<br>1658 | From E/W<br>E | County<br>Eddy |
| Latitude<br>32.1383414 |              |                 |              |     | Longitude<br>-104.1063505 |               |              |               | NAD<br>83      |

## Last Take Point (LTP)

|                        |              |                 |              |     |                           |               |              |               |                |
|------------------------|--------------|-----------------|--------------|-----|---------------------------|---------------|--------------|---------------|----------------|
| UL<br>B                | Section<br>5 | Township<br>25S | Range<br>28E | Lot | Feet<br>333               | From N/S<br>N | Feet<br>1642 | From E/W<br>E | County<br>Eddy |
| Latitude<br>32.1656036 |              |                 |              |     | Longitude<br>-104.1063320 |               |              |               | NAD<br>83      |

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 1 Copy To Appropriate District Office

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

State of New Mexico  
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-103  
Revised July 18, 2013

|                                                                                                                                                                                                                |  |                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------|
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br>(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)  |  | WELL API NO.<br>30-015-46916                                                                        |
| 1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other                                                                                                          |  | 5. Indicate Type of Lease<br>STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 2. Name of Operator<br>Mewbourne Oil Company                                                                                                                                                                   |  | 6. State Oil & Gas Lease No.                                                                        |
| 3. Address of Operator<br>PO Box 5270, Hobbs NM 88241                                                                                                                                                          |  | 7. Lease Name or Unit Agreement Name<br>Pale Rider 8/5 WIOB St Com                                  |
| 4. Well Location<br>Unit Letter <u>P</u> : <u>260</u> feet from the <u>South</u> line and <u>1330</u> feet from the <u>East</u> line<br>Section <u>8</u> Township <u>25S</u> Range <u>28E</u> NMPM Eddy County |  | 8. Well Number <u>1H</u>                                                                            |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br>3011' GL                                                                                                                                                 |  | 9. OGRID Number <u>14744</u>                                                                        |
|                                                                                                                                                                                                                |  | 10. Pool name or Wildcat<br>98220                                                                   |

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
 DOWNHOLE COMMINGLE ☐  
 CLOSED-LOOP SYSTEM ☐  
 OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
 COMMENCE DRILLING OPNS. ☐ P AND A ☐  
 CASING/CEMENT JOB ☐  
 OTHER: Completion Sundry ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

02/23/2021 Frac Horizontal Wolfcamp from 9598' MD to 19498' MD w/25,801,944 gals SW, carrying 24,850,647# local 100 mesh sand. Flowback well for cleanup.

03/07/2021 Drill out frac plugs to PBTD @ 19513'

03/11/2021 RIH w/3 1/2" 9.3# L80 IPC tbg & GLVs to 8827'

03/15/2021 Put well on production.

Formation Top Bottom Descriptions, Contents, etc.

Name Top Wolfcamp 9260' - 19550' WATER, OIL & GAS

Castile 928', Base of salt 2255', Delaware Lamar 2475', Bell Canyon 2507', Cherry Canyon 3345', Manzanita Marker 3506', Brushy Canyon 4539', Bone Spring 6141', 1<sup>st</sup> Bone Spring 7042', 2<sup>nd</sup> Bone Spring 7893', 3<sup>rd</sup> Bone Spring 8871', Wolfcamp 9260'.

Spud Date: 09/02/2020

Rig Release Date: 09/21/2020

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Jackie Lathan TITLE Regulatory DATE 04/27/2021

Type or print name Jackie Lathan E-mail address: jlathan@mewbourne.com PHONE: 575-393-5905

**For State Use Only**

APPROVED BY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

| 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 April 3, 2017  |                                                    |                |                               |                |                                                              |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|----------------------------------------------------|----------------|-------------------------------|----------------|--------------------------------------------------------------|--|--|--|--|
|                                                                                                                                                                                                                                                                                                                                                                                           |                                                              | 1. WELL API NO.<br>30-015-46916                                                                                                                                                       |                        |                                                                                                                                                                                                                                                                                                                                                                                    |                                             |                                                    |                |                               |                |                                                              |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                           |                                                              | 2. Type of Lease<br><input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/> FED/INDIAN                                                        |                        |                                                                                                                                                                                                                                                                                                                                                                                    |                                             |                                                    |                |                               |                |                                                              |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                           |                                                              | 3. State Oil & Gas Lease No.                                                                                                                                                          |                        |                                                                                                                                                                                                                                                                                                                                                                                    |                                             |                                                    |                |                               |                |                                                              |  |  |  |  |
| <b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG</b>                                                                                                                                                                                                                                                                                                                                     |                                                              |                                                                                                                                                                                       |                        |                                                                                                                                                                                                                                                                                                                                                                                    |                                             |                                                    |                |                               |                |                                                              |  |  |  |  |
| 4. Reason for filing:<br><br><input checked="" type="checkbox"/> <b>COMPLETION REPORT</b> (Fill in boxes #1 through #31 for State and Fee wells only)<br><br><input type="checkbox"/> <b>C-144 CLOSURE ATTACHMENT</b> (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC) |                                                              |                                                                                                                                                                                       |                        | 5. Lease Name or Unit Agreement Name<br>Pale Rider 8/5 W1OB State Com<br><br>6. Well Number: 1H                                                                                                                                                                                                                                                                                    |                                             |                                                    |                |                               |                |                                                              |  |  |  |  |
| 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>Mewbourne Oil Company                                                                                                                                                                                                                                                                                                                                              |                                                              |                                                                                                                                                                                       |                        | 9. OGRID<br>14744                                                                                                                                                                                                                                                                                                                                                                  |                                             |                                                    |                |                               |                |                                                              |  |  |  |  |
| 10. Address of Operator<br>PO Box 5270<br>Hobbs, NM 88240                                                                                                                                                                                                                                                                                                                                 |                                                              |                                                                                                                                                                                       |                        | 11. Pool name or Wildcat<br>Purple Sage; Wolfcamp (Gas) 98220                                                                                                                                                                                                                                                                                                                      |                                             |                                                    |                |                               |                |                                                              |  |  |  |  |
| 12. Location                                                                                                                                                                                                                                                                                                                                                                              | Unit Ltr                                                     | Section                                                                                                                                                                               | Township               | Range                                                                                                                                                                                                                                                                                                                                                                              | Lot                                         | Feet from the                                      |                |                               |                |                                                              |  |  |  |  |
| Surface:                                                                                                                                                                                                                                                                                                                                                                                  | O                                                            | 8                                                                                                                                                                                     | 25S                    | 28E                                                                                                                                                                                                                                                                                                                                                                                |                                             | 260                                                |                |                               |                |                                                              |  |  |  |  |
| BH:                                                                                                                                                                                                                                                                                                                                                                                       | B                                                            | 5                                                                                                                                                                                     | 25S                    | 28E                                                                                                                                                                                                                                                                                                                                                                                |                                             | 318                                                |                |                               |                |                                                              |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                           |                                                              |                                                                                                                                                                                       |                        |                                                                                                                                                                                                                                                                                                                                                                                    |                                             | N/S Line    Feet from the    E/W Line    County    |                |                               |                |                                                              |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                           |                                                              |                                                                                                                                                                                       |                        |                                                                                                                                                                                                                                                                                                                                                                                    |                                             | South    1330    East    Eddy                      |                |                               |                |                                                              |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                           |                                                              |                                                                                                                                                                                       |                        |                                                                                                                                                                                                                                                                                                                                                                                    |                                             | North    1642    East    Eddy                      |                |                               |                |                                                              |  |  |  |  |
| 13. Date Spudded<br>09/02/2020                                                                                                                                                                                                                                                                                                                                                            | 14. Date T.D. Reached<br>09/19/2020                          | 15. Date Rig Released<br>09/21/2020                                                                                                                                                   |                        | 16. Date Completed (Ready to Produce)<br>03/15/2021                                                                                                                                                                                                                                                                                                                                |                                             | 17. Elevations (DF and RKB, RT, GR, etc.) 3011' GL |                |                               |                |                                                              |  |  |  |  |
| 18. Total Measured Depth of Well<br>19550'                                                                                                                                                                                                                                                                                                                                                |                                                              | 19. Plug Back Measured Depth<br>19513'                                                                                                                                                |                        | 20. Was Directional Survey Made?<br>Yes                                                                                                                                                                                                                                                                                                                                            |                                             | 21. Type Electric and Other Logs Run<br>GR         |                |                               |                |                                                              |  |  |  |  |
| 22. Producing Interval(s), of this completion - Top, Bottom, Name<br>9598' MD – 19498' MD Wolfcamp                                                                                                                                                                                                                                                                                        |                                                              |                                                                                                                                                                                       |                        |                                                                                                                                                                                                                                                                                                                                                                                    |                                             |                                                    |                |                               |                |                                                              |  |  |  |  |
| <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                                                         | 465'                                                                                                                                                                                  | 17 1/2"                | 520                                                                                                                                                                                                                                                                                                                                                                                | 0                                           |                                                    |                |                               |                |                                                              |  |  |  |  |
| 9 5/8"                                                                                                                                                                                                                                                                                                                                                                                    | 40#                                                          | 2427'                                                                                                                                                                                 | 12 1/4"                | 480                                                                                                                                                                                                                                                                                                                                                                                | 0                                           |                                                    |                |                               |                |                                                              |  |  |  |  |
| 7"                                                                                                                                                                                                                                                                                                                                                                                        | 29#                                                          | 9840'                                                                                                                                                                                 | 8 3/4"                 | 800                                                                                                                                                                                                                                                                                                                                                                                | 0                                           |                                                    |                |                               |                |                                                              |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                           |                                                              |                                                                                                                                                                                       |                        |                                                                                                                                                                                                                                                                                                                                                                                    |                                             |                                                    |                |                               |                |                                                              |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                           |                                                              |                                                                                                                                                                                       |                        |                                                                                                                                                                                                                                                                                                                                                                                    |                                             |                                                    |                |                               |                |                                                              |  |  |  |  |
| <b>24. LINER RECORD</b>                                                                                                                                                                                                                                                                                                                                                                   |                                                              |                                                                                                                                                                                       |                        | <b>25. TUBING RECORD</b>                                                                                                                                                                                                                                                                                                                                                           |                                             |                                                    |                |                               |                |                                                              |  |  |  |  |
| SIZE                                                                                                                                                                                                                                                                                                                                                                                      | TOP                                                          | BOTTOM                                                                                                                                                                                | SACKS CEMENT           | SCREEN                                                                                                                                                                                                                                                                                                                                                                             | SIZE                                        | DEPTH SET                                          |                |                               |                |                                                              |  |  |  |  |
| 4 1/2"                                                                                                                                                                                                                                                                                                                                                                                    | 8872                                                         | 19549                                                                                                                                                                                 | 875                    |                                                                                                                                                                                                                                                                                                                                                                                    | 3 1/2"                                      | 8827'                                              |                |                               |                |                                                              |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                           |                                                              |                                                                                                                                                                                       |                        |                                                                                                                                                                                                                                                                                                                                                                                    |                                             | PACKER SET                                         |                |                               |                |                                                              |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                           |                                                              |                                                                                                                                                                                       |                        |                                                                                                                                                                                                                                                                                                                                                                                    |                                             | 8811'                                              |                |                               |                |                                                              |  |  |  |  |
| 26. Perforation record (interval, size, and number)<br><br>9598' – 19498' (79 stages, 0.39" EHD, 2844 holes)                                                                                                                                                                                                                                                                              |                                                              |                                                                                                                                                                                       |                        | 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.<br><table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>DEPTH INTERVAL</th> <th>AMOUNT AND KIND MATERIAL USED</th> </tr> <tr> <td>9598' – 19498'</td> <td>25,801,944 gals SW carrying 24,850,647# Local 100 Mesh sand.</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table> |                                             |                                                    | DEPTH INTERVAL | AMOUNT AND KIND MATERIAL USED | 9598' – 19498' | 25,801,944 gals SW carrying 24,850,647# Local 100 Mesh sand. |  |  |  |  |
| DEPTH INTERVAL                                                                                                                                                                                                                                                                                                                                                                            | AMOUNT AND KIND MATERIAL USED                                |                                                                                                                                                                                       |                        |                                                                                                                                                                                                                                                                                                                                                                                    |                                             |                                                    |                |                               |                |                                                              |  |  |  |  |
| 9598' – 19498'                                                                                                                                                                                                                                                                                                                                                                            | 25,801,944 gals SW carrying 24,850,647# Local 100 Mesh sand. |                                                                                                                                                                                       |                        |                                                                                                                                                                                                                                                                                                                                                                                    |                                             |                                                    |                |                               |                |                                                              |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                           |                                                              |                                                                                                                                                                                       |                        |                                                                                                                                                                                                                                                                                                                                                                                    |                                             |                                                    |                |                               |                |                                                              |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                           |                                                              |                                                                                                                                                                                       |                        |                                                                                                                                                                                                                                                                                                                                                                                    |                                             |                                                    |                |                               |                |                                                              |  |  |  |  |
| <b>28. PRODUCTION</b>                                                                                                                                                                                                                                                                                                                                                                     |                                                              |                                                                                                                                                                                       |                        |                                                                                                                                                                                                                                                                                                                                                                                    |                                             |                                                    |                |                               |                |                                                              |  |  |  |  |
| Date First Production<br>03/15/2021                                                                                                                                                                                                                                                                                                                                                       |                                                              | Production Method (Flowing, gas lift, pumping - Size and type pump)<br>Gas Lift                                                                                                       |                        |                                                                                                                                                                                                                                                                                                                                                                                    | Well Status (Prod. or Shut-in)<br>Producing |                                                    |                |                               |                |                                                              |  |  |  |  |
| Date of Test<br>03/23/2021                                                                                                                                                                                                                                                                                                                                                                | Hours Tested<br>24 hrs                                       | Choke Size<br>32/64                                                                                                                                                                   | Prod'n For Test Period | Oil - Bbl<br>691                                                                                                                                                                                                                                                                                                                                                                   | Gas - MCF<br>1580                           | Water - Bbl.<br>4101                               |                |                               |                |                                                              |  |  |  |  |
| Flow Tubing Press. 2045                                                                                                                                                                                                                                                                                                                                                                   | Casing Pressure<br>1400                                      | Calculated 24-Hour Rate                                                                                                                                                               | Oil - Bbl.<br>691      | Gas - MCF<br>1580                                                                                                                                                                                                                                                                                                                                                                  | Water - Bbl.<br>4101                        | Gas - Oil Ratio<br>2287                            |                |                               |                |                                                              |  |  |  |  |
| 29. Disposition of Gas (Sold, used for fuel, vented, etc.)<br>Sold                                                                                                                                                                                                                                                                                                                        |                                                              |                                                                                                                                                                                       |                        |                                                                                                                                                                                                                                                                                                                                                                                    |                                             | 30. Test Witnessed By<br>Robin Terrell             |                |                               |                |                                                              |  |  |  |  |
| 31. List Attachments C104, Deviation Survey, completion sundry, Directional Survey, Gyro log, Final C-102                                                                                                                                                                                                                                                                                 |                                                              |                                                                                                                                                                                       |                        |                                                                                                                                                                                                                                                                                                                                                                                    |                                             |                                                    |                |                               |                |                                                              |  |  |  |  |
| 32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.                                                                                                                                                                                                                                                                                        |                                                              |                                                                                                                                                                                       |                        |                                                                                                                                                                                                                                                                                                                                                                                    |                                             | 33. Rig Release Date: 09/21/2020                   |                |                               |                |                                                              |  |  |  |  |
| 34. If an on-site burial was used at the well, report the exact location of the on-site burial<br><div style="display: flex; justify-content: space-between;"> <span>Latitude</span> <span>Longitude</span> <span>NAD83</span> </div>                                                                                                                                                     |                                                              |                                                                                                                                                                                       |                        |                                                                                                                                                                                                                                                                                                                                                                                    |                                             |                                                    |                |                               |                |                                                              |  |  |  |  |
| I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief                                                                                                                                                                                                                                                        |                                                              |                                                                                                                                                                                       |                        |                                                                                                                                                                                                                                                                                                                                                                                    |                                             |                                                    |                |                               |                |                                                              |  |  |  |  |
| Printed Name: Jackie Lathan                                                                                                                                                                                                                                                                                                                                                               |                                                              |                                                                                                                                                                                       | Signature              |                                                                                                                                                                                                                                                                                                                                                                                    |                                             |                                                    |                |                               |                |                                                              |  |  |  |  |
| Title: Regulatory                                                                                                                                                                                                                                                                                                                                                                         |                                                              | Date: 04/27/2021                                                                                                                                                                      |                        |                                                                                                                                                                                                                                                                                                                                                                                    |                                             |                                                    |                |                               |                |                                                              |  |  |  |  |
| E-mail Address: jlathan@mewbourne.com                                                                                                                                                                                                                                                                                                                                                     |                                                              |                                                                                                                                                                                       |                        |                                                                                                                                                                                                                                                                                                                                                                                    |                                             |                                                    |                |                               |                |                                                              |  |  |  |  |

# INSTRUCTIONS

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.

## INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

| Southeastern New Mexico |                                       | Northwestern New Mexico |                  |
|-------------------------|---------------------------------------|-------------------------|------------------|
| T. Anhy                 | T. Bell Canyon 2507'                  | T. Ojo Alamo            | T. Penn A"       |
| T. Salt                 | T. Brushy Canyon 4539'                | T. Kirtland             | T. Penn. "B"     |
| B. Salt 2255'           | 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. Manzanita Marker 3506'             | Base Greenhorn          | T. Granite       |
| T. Blinebry             | T. Delaware Lamar 2475                | T. Dakota               |                  |
| T. Tubb                 | T. Bone Spring 6141'                  | T. Morrison             |                  |
| T. Drinkard             | T. 1 <sup>st</sup> Bone Springs 7042' | T. Todilto              |                  |
| T. Abo                  | T. 2 <sup>nd</sup> Bone Spring 7893'  | T. Entrada              |                  |
| T. Wolfcamp 9260'       | T. 3 <sup>rd</sup> Bone Spring 8871'  | T. Wingate              |                  |
| T. Penn                 | T. Castile 928'                       | T. Chinle               |                  |
| T. Cisco (Bough C)      | T. Cherry Canyon 3345'                | T. Permian              |                  |

## OIL OR GAS SANDS OR ZONES

No. 1, from.....to..... No. 3, from.....to.....  
 No. 2, from.....to..... No. 4, from.....to.....

## IMPORTANT WATER SANDS

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.....

## LITHOLOGY RECORD (Attach additional sheet if necessary)

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

## Mewbourne Oil Company

Well Name: Pale Rider 8/5 W10B St Com #1H

Updated by: Andy Taylor

Spud Date: 9/2/2020

Date Updated: 4/20/2021

Surface

17 1/2" x 13 3/4" 54.5# J55  
Set @ 465'  
Cmt w/ 520 sx  
Circ, 250 sx to pit

Intermediate

12 3/4" x 9 3/4" 40# HCL80  
Set @ 2427'  
Cmt w/ 480 sx  
Circ, 10 sx to pit

Production

8 3/4" x 7" 29# HCP110  
Set @ 9840'  
Cmt w/ 800 sx  
Circ. 138 sx to pit

Liner

6 1/8" x 4 1/2" HCP110  
Set @ 8872' - 19,549'  
Cmt w/ 875 sx  
TOC @ 8872'

TBG Detail:

|               |                         |          |
|---------------|-------------------------|----------|
| 1             | 2 7/8" Sub w/ Collar    | 6.00'    |
| 1             | 2 7/8" x 7" AS 1X Pkr   | 9.25'    |
| 1             | 2 7/8" SN & Collar      | 1.10'    |
| 1             | 2 7/8" x 3 1/2" X/O     | 0.50'    |
| 1             | 3 1/2" 9.3# L80 IPC tbg | 32.62'   |
| 1             | 3 1/2" L80 IPC GLV #1   | 4.10'    |
| 20            | 3 1/2" 9.3# L80 IPC tbg | 653.50'  |
| 1             | 3 1/2" L80 IPC GLV #2   | 4.10'    |
| 20            | 3 1/2" 9.3# L80 IPC tbg | 650.27'  |
| 1             | 3 1/2" L80 IPC GLV #3   | 4.10'    |
| 20            | 3 1/2" 9.3# L80 IPC tbg | 646.88'  |
| 1             | 3 1/2" L80 IPC GLV #4   | 4.10'    |
| 20            | 3 1/2" 9.3# L80 IPC tbg | 653.29'  |
| 1             | 3 1/2" L80 IPC GLV #5   | 4.10'    |
| 20            | 3 1/2" 9.3# L80 IPC tbg | 650.21'  |
| 1             | 3 1/2" L80 IPC GLV #6   | 4.10'    |
| 20            | 3 1/2" 9.3# L80 IPC tbg | 653.33'  |
| 1             | 3 1/2" L80 IPC GLV #7   | 4.10'    |
| 21            | 3 1/2" 9.3# L80 IPC tbg | 686.29'  |
| 1             | 3 1/2" L80 IPC GLV #8   | 4.10'    |
| 20            | 3 1/2" 9.3# L80 IPC tbg | 650.32'  |
| 1             | 3 1/2" L80 IPC GLV #9   | 4.10'    |
| 20            | 3 1/2" 9.3# L80 IPC tbg | 653.26'  |
| 1             | 3 1/2" L80 IPC GLV #10  | 4.10'    |
| 31            | 3 1/2" 9.3# L80 IPC tbg | 1010.08' |
| 1             | 3 1/2" L80 IPC GLV #11  | 4.10'    |
| 54            | 3 1/2" 9.3# L80 IPC tbg | 1757.4   |
| 1             | 3 1/2" 9.3# L80 IPC sub | 6.00'    |
| 1             | 3 1/2" 9.3# L80 IPC tbg | 32.77'   |
| Total tbg     |                         | 8798.17' |
| KB Correction |                         | 28.50'   |
| Tbg set @     |                         | 8826.67' |

KOP @ 88981'  
Dev @ KOP: 4.92°

TVD @ 9566'  
TD 6 1/8" hole @ 19,550'



**District I**

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

**District II**

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

**District III**

1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

ACKNOWLEDGMENTS

Action 25879

**ACKNOWLEDGMENTS**

|                                                                   |                                                    |
|-------------------------------------------------------------------|----------------------------------------------------|
| Operator:<br>MEWBOURNE OIL CO<br>P.O. Box 5270<br>Hobbs, NM 88241 | OGRID:<br>14744                                    |
|                                                                   | Action Number:<br>25879                            |
|                                                                   | Action Type:<br>[C-104] Completion Packet (C-104C) |

**ACKNOWLEDGMENTS**

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

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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 25879

**CONDITIONS**

|                                                                   |                                                    |
|-------------------------------------------------------------------|----------------------------------------------------|
| Operator:<br>MEWBOURNE OIL CO<br>P.O. Box 5270<br>Hobbs, NM 88241 | OGRID:<br>14744                                    |
|                                                                   | Action Number:<br>25879                            |
|                                                                   | Action Type:<br>[C-104] Completion Packet (C-104C) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|------------|-----------|----------------|
| ksimmons   | None      | 7/13/2021      |