

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

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

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 / 04/23/2024 |
| <sup>4</sup> API Number<br>30 - 015-49896                                                         | <sup>5</sup> Pool Name<br>Purple Sage; Wolfcamp (Gas) | <sup>6</sup> Pool Code<br>98220                                        |
| <sup>7</sup> Property Code<br>333209                                                              | <sup>8</sup> Property Name<br>Sunrise 31/32 Fee       | <sup>9</sup> Well Number<br>718H                                       |

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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| I             | 36      | 22S      | 26E   |         | 2545          | South            | 115           | 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 |
|-----------------------------|---------------------------------------------------|----------------------------------------------------|-----------------------------------|------------------------------------|-------------------------------------|------------------|---------------|----------------|--------|
| P                           | 32                                                | 22S                                                | 27E                               |                                    | 988                                 | South            | 84            | East           | Eddy   |
| <sup>12</sup> Lse Code<br>P | <sup>13</sup> Producing Method<br>Code<br>Flowing | <sup>14</sup> Gas Connection<br>Date<br>04/23/2024 | <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 |
|------------------------------------|-----------------------------------------------------------------------------------|---------------------|
| 329971                             | Oryx<br>4000 N. Big Spring<br>Suite 400<br><br>Midland, TX 79705                  | O                   |
| 327139                             | Sendero Midstream<br>1000 Louisiana Street<br>Suite 6900<br><br>Houston, TX 77002 | G                   |
|                                    |                                                                                   |                     |
|                                    |                                                                                   |                     |
|                                    |                                                                                   |                     |
|                                    |                                                                                   |                     |

IV. Well Completion Data We are asking for an exemption from tubing at this time.

|                                     |                                        |                            |                              |                                              |                       |
|-------------------------------------|----------------------------------------|----------------------------|------------------------------|----------------------------------------------|-----------------------|
| <sup>21</sup> Spud Date<br>12/11/23 | <sup>22</sup> Ready Date<br>04/23/2024 | <sup>23</sup> TD<br>19559' | <sup>24</sup> PBDT<br>19547' | <sup>25</sup> Perforations<br>9380' - 19312' | <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 ⅜"                                  | 455'                       | 500                          |                                              |                       |
| 12 ¼"                               | 9 ⅝"                                   | 1755'                      | 700                          |                                              |                       |
| 8 ¾"                                | 7"                                     | 9480'                      | 900                          |                                              |                       |
| 6 ⅞"                                | 4 ½"                                   | 8468' - 19559'             | 750                          |                                              |                       |

V. Well Test Data

|                                                                                                                                                                                                                                      |                                               |                                       |                                     |                                   |                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|---------------------------------------|-------------------------------------|-----------------------------------|----------------------------------------|
| <sup>31</sup> Date New Oil<br>04/23/2024                                                                                                                                                                                             | <sup>32</sup> Gas Delivery Date<br>04/23/2024 | <sup>33</sup> Test Date<br>04/28/2024 | <sup>34</sup> Test Length<br>24 hrs | <sup>35</sup> Tbg. Pressure<br>NA | <sup>36</sup> Csg. Pressure<br>440     |
| <sup>37</sup> Choke Size<br>28/64"                                                                                                                                                                                                   | <sup>38</sup> Oil<br>159                      | <sup>39</sup> Water<br>1686           | <sup>40</sup> Gas<br>164            |                                   | <sup>41</sup> Test Method<br>Producing |
| <sup>42</sup> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.<br>Signature: Jackie Lathan |                                               |                                       | OIL CONSERVATION DIVISION           |                                   |                                        |
| Printed name:<br>Jackie Lathan                                                                                                                                                                                                       |                                               |                                       | Approved by: PATRICIA MARTINEZ      |                                   |                                        |
| Title:<br>Regulatory                                                                                                                                                                                                                 |                                               |                                       | Title: PETROLEUM SPECIALIST         |                                   |                                        |
| E-mail Address:<br>jlathan@mewbourne.com                                                                                                                                                                                             |                                               |                                       | Approval Date: 6/13/2024            |                                   |                                        |
| Date:<br>06/12/2024                                                                                                                                                                                                                  |                                               | Phone:<br>575-393-5905                |                                     |                                   |                                        |

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>30-015-49896</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>333209</b>    | <sup>5</sup> Property Name<br><b>SUNRISE 31/32 FEE</b>     | <sup>6</sup> Well Number<br><b>718H</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>3204'</b>                       |

<sup>10</sup> Surface Location

| UL or lot no. | Section   | Township   | Range      | Lot Idn | Feet from the | North/South line | Feet From the | East/West line | County      |
|---------------|-----------|------------|------------|---------|---------------|------------------|---------------|----------------|-------------|
| <b>I</b>      | <b>36</b> | <b>22S</b> | <b>26E</b> |         | <b>2545</b>   | <b>SOUTH</b>     | <b>115</b>    | <b>EAST</b>    | <b>EDDY</b> |

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

| UL or lot no. | Section   | Township   | Range      | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County      |
|---------------|-----------|------------|------------|---------|---------------|------------------|---------------|----------------|-------------|
| <b>P</b>      | <b>32</b> | <b>22S</b> | <b>27E</b> |         | <b>988</b>    | <b>SOUTH</b>     | <b>84</b>     | <b>EAST</b>    | <b>EDDY</b> |

|                                                |                               |                                  |                         |
|------------------------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres<br><b>635.44</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.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><sup>16</sup> GEODETIC DATA<br/>NAD 83 GRID - NM EAST</p> <p>SURFACE LOCATION<br/>N: 490387.7 - E: 570769.5</p> <p>LAT: 32.3481108° N<br/>LONG: 104.2380259° W</p> <p>KICK OFF POINT (KOP)<br/>653' FSL - 198' FEL SEC. 36<br/>N: 488496.2 - E: 570684.2</p> <p>LAT: 32.3429116° N<br/>LONG: 104.2383077° W<br/>MD: 8579.0'</p> <p>FIRST TAKE POINT (FTP)<br/>662' FSL - 338' FWL SEC. 31<br/>N: 488509.4 - E: 571219.9</p> <p>LAT: 32.3429464° N<br/>LONG: 104.2365730° W<br/>MD: 9380.0'</p> <p>LAST TAKE POINT (LTP)<br/>988' FSL &amp; 331' FEL SEC. 32<br/>N: 488923.4 - E: 581080.4</p> <p>LAT: 32.3440561° N<br/>LONG: 104.2046426° W<br/>MD: 19312.0'</p> <p>BOTTOM HOLE<br/>N: 488925.5 - E: 581327.4</p> <p>LAT: 32.3440609° N<br/>LONG: 104.2038429° W<br/>MD: 19559.0'</p> | <p>CORNER DATA<br/>NAD 83 GRID - NM EAST</p> <p>A: FOUND 1/2" REBAR<br/>N: 487847.1 - E: 565581.8</p> <p>B: FOUND CAP "REDDY PS 5412"<br/>N: 493318.0 - E: 565437.2</p> <p>C: FOUND COTTON SPINDLE<br/>N: 493139.7 - E: 570884.7</p> <p>D: FOUND CAP "REDDY PS 5412"<br/>N: 493238.6 - E: 573549.2</p> <p>E: FOUND 1/2" REBAR<br/>N: 493342.8 - E: 576281.6</p> <p>F: FOUND COTTON SPINDLE<br/>N: 493355.7 - E: 581571.1</p> <p>G: FOUND 1/2" REBAR<br/>N: 490633.4 - E: 581474.4</p> <p>H: FOUND 1/2" REBAR<br/>N: 487939.5 - E: 581374.9</p> <p>I: FOUND 1/2" REBAR<br/>N: 487907.1 - E: 578715.7</p> <p>J: FOUND COTTON SPINDLE<br/>N: 487890.7 - E: 576053.1</p> <p>K: FOUND 1/2" REBAR<br/>N: 487872.6 - E: 573405.8</p> <p>L: FOUND BRASS CAP "1948"<br/>N: 487843.5 - E: 570881.6</p> <p>M: FOUND 1/2" REBAR<br/>N: 487840.9 - E: 568227.8</p> <p>N: FOUND BRASS CAP "1943"<br/>N: 490491.4 - E: 570884.6</p> <p>O: FOUND 1/2" REBAR<br/>N: 490555.8 - E: 573477.3</p> <p>P: FOUND 1/2" REBAR<br/>N: 490624.2 - E: 576162.9</p> | <p><sup>17</sup> OPERATOR CERTIFICATION</p> <p>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.</p> <p><i>Carter Crook</i> 6/4/2024<br/>Signature Date<br/>Carter Crook<br/>Printed Name<br/>ccrook@mewbourne.com<br/>E-mail Address</p> |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <p><sup>18</sup> SURVEYOR CERTIFICATION</p> <p>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.</p> <p>12/29/2023<br/>Date of Survey</p> <p>Signature and Seal of Professional Surveyor</p> <p>19680<br/>Certificate Number</p> <p>Job No.: LS22080939AD</p>                                                                                                                                                                                                                                                                       |



**MEWBOURNE  
OIL COMPANY**

Azimuths to Grid North  
True North: -0.05°  
Magnetic North: 6.76°

Magnetic Field  
Strength: 47416.8nT  
Dip Angle: 59.91°  
Date: 11/16/2023  
Model: HRGM

Project: Eddy Co., NM (NAD 83)  
Site: Sunrise 31-32 Fee Pad  
Well: Sunrise 31-32 Fee #718H  
Wellbore: OH  
Design: Plan #1  
Lat: 32.348111  
Long: -104.238026  
GL: 3204.00  
KB: KB=28 @ 3232.00usft (Patterson 562)

## WELL DETAILS: Sunrise 31-32 Fee #718H

| +N/-S | +E/-W | Northing  | Easting   | Latitude  | Longitude   |
|-------|-------|-----------|-----------|-----------|-------------|
| 0.00  | 0.00  | 490387.70 | 570769.50 | 32.348111 | -104.238026 |

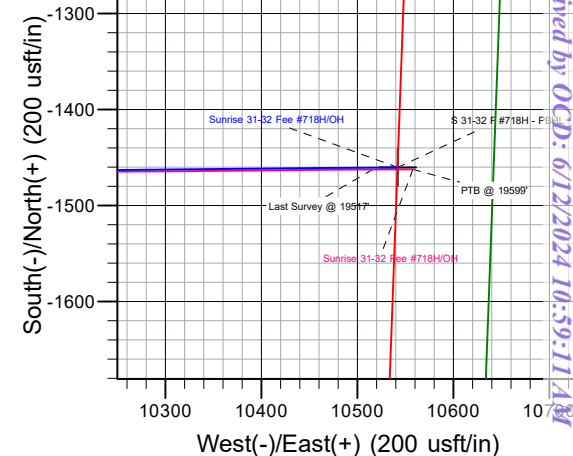
## WELLBORE TARGET DETAILS (LAT/LONG)

| Name                   | TVD     | +N/-S    | +E/-W    | Northing  | Easting   | Shape |
|------------------------|---------|----------|----------|-----------|-----------|-------|
| S 31-32 F #718H - LP   | 8828.00 | -1880.34 | 442.85   | 488507.36 | 571212.35 | Point |
| S 31-32 F #718H - T1   | 8933.00 | -1841.32 | 4649.41  | 488546.38 | 575418.91 | Point |
| S 31-32 F #718H - T2   | 8938.00 | -1502.67 | 5984.00  | 488885.03 | 576753.50 | Point |
| S 31-32 F #718H - PBHL | 9028.00 | -1460.30 | 10542.00 | 488927.40 | 581311.50 | Point |

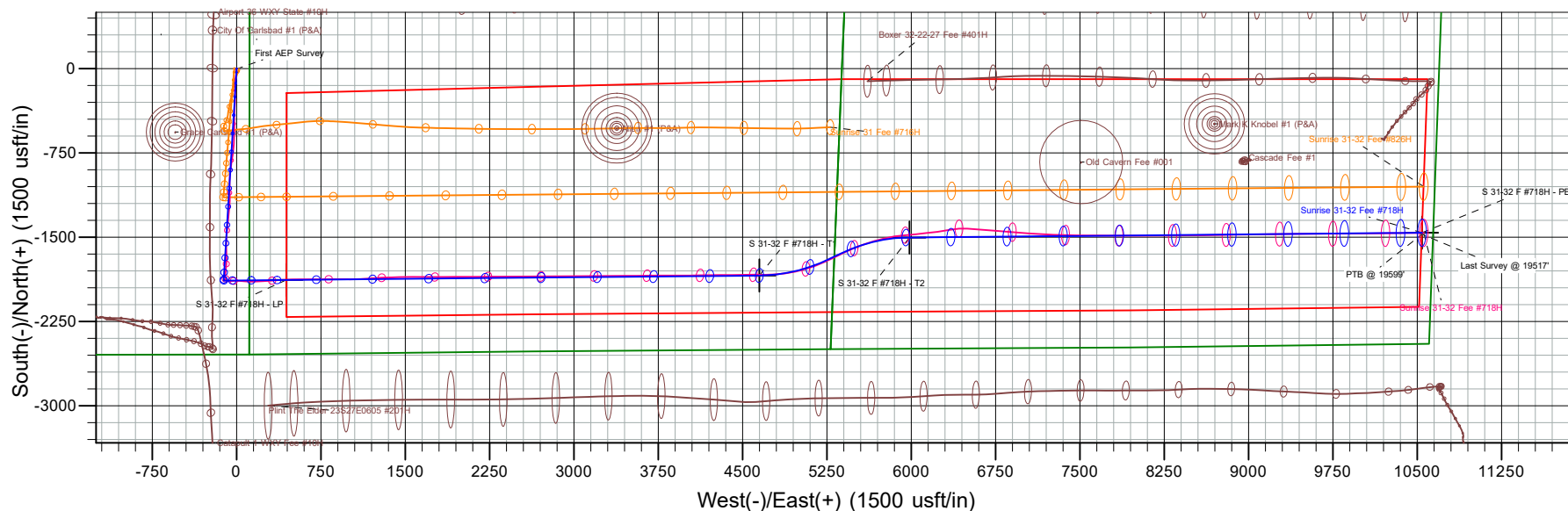
## SECTION DETAILS

| MD       | Inc   | Azi    | TVD     | +N/-S    | +E/-W    | Dleg  | TFace  | Vsect    | Annotation       |
|----------|-------|--------|---------|----------|----------|-------|--------|----------|------------------|
| 0.00     | 0.00  | 0.00   | 0.00    | 0.00     | 0.00     | 0.00  | 0.00   | 0.00     |                  |
| 1500.00  | 0.00  | 0.00   | 1500.00 | 0.00     | 0.00     | 0.00  | 0.00   | 0.00     | Build 1.5°/100'  |
| 2769.27  | 19.04 | 183.51 | 2746.04 | -208.56  | -12.81   | 1.50  | 183.51 | 15.93    | 4510' Hold       |
| 7279.11  | 19.04 | 183.51 | 7009.18 | -1676.96 | -102.98  | 0.00  | 0.00   | 128.09   | Drop 1.5°/100'   |
| 8548.39  | 0.00  | 89.47  | 8255.22 | -1885.52 | -115.79  | 1.50  | 180.00 | 144.02   | Build 10.0°/100' |
| 9434.09  | 88.57 | 89.47  | 8828.00 | -1880.34 | 442.85   | 10.00 | 0.00   | 696.67   | 4208' Hold       |
| 13642.14 | 88.57 | 89.47  | 8933.00 | -1841.32 | 4649.41  | 0.00  | 0.00   | 4858.09  | Turn 4.0°/100'   |
| 14264.59 | 90.67 | 64.66  | 8937.18 | -1703.05 | 5251.28  | 4.00  | -85.32 | 5435.29  | Hold 145         |
| 14410.00 | 90.67 | 64.66  | 8935.47 | -1640.81 | 5382.69  | 0.00  | 0.00   | 5556.91  | Turn 4.0°/100'   |
| 15031.85 | 88.87 | 89.47  | 8938.00 | -1502.67 | 5984.00  | 4.00  | 94.14  | 6133.59  | 4559' Hold       |
| 19590.94 | 88.87 | 89.47  | 9028.00 | -1460.30 | 10542.00 | 0.00  | 0.00   | 10642.66 | TD at 19590.94   |

Actual BHL:  
987' FSL & 84' FEL



Sunrise 31 Fee #718H  
SHL: 2545' FSL & 115' FEL  
BHL: 990' FSL & 100' FEL



2403' FNL Hard Line  
330' FNL Hard Line  
330' FWL Hard Line  
100' FEL Hard Line

Plan: Plan #1 (Sunrise 31-32 Fee #718H/OH)

Created By: Kenny Volker

Date: 8:30, January 06 2024



# Mewbourne Oil Company

Eddy Co., NM (NAD 83)  
Sunrise 31-32 Fee Pad  
Sunrise 31-32 Fee #718H

OH

Design: OH

## Standard Survey Report

06 January, 2024





## Survey Report



|                  |                         |                                     |                                     |
|------------------|-------------------------|-------------------------------------|-------------------------------------|
| <b>Company:</b>  | Mewbourne Oil Company   | <b>Local Co-ordinate Reference:</b> | Well Sunrise 31-32 Fee #718H        |
| <b>Project:</b>  | Eddy Co., NM (NAD 83)   | <b>TVD Reference:</b>               | KB=28 @ 3232.00usft (Patterson 562) |
| <b>Site:</b>     | Sunrise 31-32 Fee Pad   | <b>MD Reference:</b>                | KB=28 @ 3232.00usft (Patterson 562) |
| <b>Well:</b>     | Sunrise 31-32 Fee #718H | <b>North Reference:</b>             | Grid                                |
| <b>Wellbore:</b> | OH                      | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Design:</b>   | OH                      | <b>Database:</b>                    | EDM 5000.16 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   |                      |                |

|                              |                       |                     |                 |
|------------------------------|-----------------------|---------------------|-----------------|
| <b>Site</b>                  | Sunrise 31-32 Fee Pad |                     |                 |
| <b>Site Position:</b>        |                       | <b>Northing:</b>    | 490,387.70 usft |
| <b>From:</b>                 | Map                   | <b>Easting:</b>     | 570,749.50 usft |
| <b>Position Uncertainty:</b> | 0.00 usft             | <b>Slot Radius:</b> | 13-3/16 "       |
|                              |                       | <b>Latitude:</b>    | 32.348111       |
|                              |                       | <b>Longitude:</b>   | -104.238091     |

|                             |                         |                            |                                  |
|-----------------------------|-------------------------|----------------------------|----------------------------------|
| <b>Well</b>                 | Sunrise 31-32 Fee #718H |                            |                                  |
| <b>Well Position</b>        | <b>+N/-S</b>            | 0.00 usft                  | <b>Northing:</b> 490,387.70 usft |
|                             | <b>+E/-W</b>            | 0.00 usft                  | <b>Easting:</b> 570,769.50 usft  |
| <b>Position Uncertainty</b> | 0.00 usft               | <b>Wellhead Elevation:</b> | usft                             |
| <b>Grid Convergence:</b>    | 0.05 °                  | <b>Ground Level:</b>       | 3,204.00 usft                    |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | OH                |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | HRGM              | 11/16/2023         | 6.81                   | 59.91                | 47,416.80069845            |

|                          |                                |                     |                     |                      |      |
|--------------------------|--------------------------------|---------------------|---------------------|----------------------|------|
| <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                | 97.89                |      |

|                       |                  |                          |                  |                                            |  |
|-----------------------|------------------|--------------------------|------------------|--------------------------------------------|--|
| <b>Survey Program</b> | <b>Date</b>      | 1/6/2024                 |                  |                                            |  |
| <b>From (usft)</b>    | <b>To (usft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b> | <b>Description</b>                         |  |
| 215.00                | 468.00           | Surface Survey (OH)      | MWD + HDGM       | MWD + HDGM - Standard                      |  |
| 664.00                | 19,559.00        | MWD Survey (OH)          | MWD+IFR1+MS      | OWSG MWD + IFR1 + Multi-Station Correction |  |

|                              |                        |                    |                              |                     |                     |                                |                                |                               |                              |  |
|------------------------------|------------------------|--------------------|------------------------------|---------------------|---------------------|--------------------------------|--------------------------------|-------------------------------|------------------------------|--|
| <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                         |  |
| 215.00                       | 0.50                   | 200.00             | 215.00                       | -0.88               | -0.32               | -0.20                          | 0.23                           | 0.23                          | 0.00                         |  |
| 317.00                       | 0.70                   | 253.00             | 316.99                       | -1.48               | -1.07               | -0.86                          | 0.55                           | 0.20                          | 51.96                        |  |
| 468.00                       | 0.70                   | 232.00             | 467.98                       | -2.32               | -2.68               | -2.33                          | 0.17                           | 0.00                          | -13.91                       |  |
| 664.00                       | 0.94                   | 220.17             | 663.96                       | -4.29               | -4.66               | -4.03                          | 0.15                           | 0.12                          | -6.04                        |  |
| <b>First AEP Survey</b>      |                        |                    |                              |                     |                     |                                |                                |                               |                              |  |
| 859.00                       | 1.23                   | 187.32             | 858.93                       | -7.58               | -5.96               | -4.86                          | 0.35                           | 0.15                          | -16.85                       |  |
| 1,052.00                     | 1.86                   | 158.80             | 1,051.86                     | -12.56              | -5.09               | -3.32                          | 0.51                           | 0.33                          | -14.78                       |  |
| 1,242.00                     | 1.04                   | 160.88             | 1,241.80                     | -17.06              | -3.41               | -1.03                          | 0.43                           | -0.43                         | 1.09                         |  |



## Survey Report



|                  |                         |                                     |                                     |
|------------------|-------------------------|-------------------------------------|-------------------------------------|
| <b>Company:</b>  | Mewbourne Oil Company   | <b>Local Co-ordinate Reference:</b> | Well Sunrise 31-32 Fee #718H        |
| <b>Project:</b>  | Eddy Co., NM (NAD 83)   | <b>TVD Reference:</b>               | KB=28 @ 3232.00usft (Patterson 562) |
| <b>Site:</b>     | Sunrise 31-32 Fee Pad   | <b>MD Reference:</b>                | KB=28 @ 3232.00usft (Patterson 562) |
| <b>Well:</b>     | Sunrise 31-32 Fee #718H | <b>North Reference:</b>             | Grid                                |
| <b>Wellbore:</b> | OH                      | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Design:</b>   | OH                      | <b>Database:</b>                    | EDM 5000.16 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) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 1,431.00              | 1.33            | 156.89      | 1,430.76              | -20.70       | -1.99        | 0.87                    | 0.16                    | 0.15                   | -2.11                 |
| 1,620.00              | 3.43            | 183.45      | 1,619.59              | -28.36       | -1.46        | 2.44                    | 1.23                    | 1.11                   | 14.05                 |
| 1,701.00              | 3.47            | 184.99      | 1,700.44              | -33.22       | -1.82        | 2.75                    | 0.12                    | 0.05                   | 1.90                  |
| 1,831.00              | 2.73            | 182.79      | 1,830.25              | -40.23       | -2.32        | 3.23                    | 0.58                    | -0.57                  | -1.69                 |
| 2,019.00              | 10.20           | 192.85      | 2,016.93              | -60.97       | -6.24        | 2.19                    | 4.00                    | 3.97                   | 5.35                  |
| 2,209.00              | 14.26           | 182.71      | 2,202.60              | -100.76      | -11.09       | 2.84                    | 2.41                    | 2.14                   | -5.34                 |
| 2,398.00              | 12.98           | 182.67      | 2,386.28              | -145.22      | -13.18       | 6.88                    | 0.68                    | -0.68                  | -0.02                 |
| 2,589.00              | 17.25           | 179.84      | 2,570.63              | -194.99      | -14.10       | 12.80                   | 2.27                    | 2.24                   | -1.48                 |
| 2,777.00              | 14.92           | 178.27      | 2,751.26              | -247.06      | -13.29       | 20.75                   | 1.26                    | -1.24                  | -0.84                 |
| 2,966.00              | 19.96           | 184.15      | 2,931.53              | -303.60      | -14.90       | 26.92                   | 2.82                    | 2.67                   | 3.11                  |
| 3,154.00              | 19.67           | 182.73      | 3,108.40              | -367.21      | -18.72       | 31.86                   | 0.30                    | -0.15                  | -0.76                 |
| 3,343.00              | 18.83           | 181.20      | 3,286.83              | -429.48      | -20.88       | 38.27                   | 0.52                    | -0.44                  | -0.81                 |
| 3,533.00              | 18.32           | 179.58      | 3,466.93              | -489.99      | -21.30       | 46.16                   | 0.38                    | -0.27                  | -0.85                 |
| 3,722.00              | 17.34           | 178.86      | 3,646.85              | -547.86      | -20.52       | 54.88                   | 0.53                    | -0.52                  | -0.38                 |
| 3,912.00              | 22.26           | 183.76      | 3,825.58              | -612.12      | -22.32       | 61.92                   | 2.73                    | 2.59                   | 2.58                  |
| 4,100.00              | 19.82           | 181.82      | 4,001.03              | -679.52      | -25.67       | 67.85                   | 1.35                    | -1.30                  | -1.03                 |
| 4,288.00              | 22.91           | 189.30      | 4,176.12              | -747.51      | -32.60       | 70.32                   | 2.19                    | 1.64                   | 3.98                  |
| 4,476.00              | 20.30           | 187.56      | 4,350.90              | -815.97      | -42.80       | 69.61                   | 1.43                    | -1.39                  | -0.93                 |
| 4,665.00              | 18.59           | 186.92      | 4,529.11              | -878.38      | -50.75       | 70.31                   | 0.91                    | -0.90                  | -0.34                 |
| 4,855.00              | 15.99           | 188.14      | 4,710.51              | -934.36      | -58.10       | 70.71                   | 1.38                    | -1.37                  | 0.64                  |
| 5,043.00              | 18.83           | 180.85      | 4,889.90              | -990.35      | -62.22       | 74.31                   | 1.90                    | 1.51                   | -3.88                 |
| 5,232.00              | 16.54           | 179.12      | 5,069.96              | -1,047.75    | -62.26       | 82.16                   | 1.24                    | -1.21                  | -0.92                 |
| 5,419.00              | 18.83           | 180.06      | 5,248.11              | -1,104.55    | -61.88       | 90.33                   | 1.23                    | 1.22                   | 0.50                  |
| 5,608.00              | 19.59           | 179.52      | 5,426.59              | -1,166.74    | -61.65       | 99.09                   | 0.41                    | 0.40                   | -0.29                 |
| 5,797.00              | 23.09           | 185.53      | 5,602.62              | -1,235.34    | -64.96       | 105.23                  | 2.18                    | 1.85                   | 3.18                  |
| 5,984.00              | 20.57           | 185.72      | 5,776.20              | -1,304.53    | -71.77       | 107.99                  | 1.35                    | -1.35                  | 0.10                  |
| 6,171.00              | 20.35           | 184.69      | 5,951.40              | -1,369.63    | -77.70       | 111.05                  | 0.23                    | -0.12                  | -0.55                 |
| 6,361.00              | 22.63           | 187.72      | 6,128.19              | -1,438.79    | -85.31       | 113.00                  | 1.33                    | 1.20                   | 1.59                  |
| 6,550.00              | 21.98           | 181.91      | 6,303.07              | -1,510.18    | -91.38       | 116.79                  | 1.22                    | -0.34                  | -3.07                 |
| 6,738.00              | 17.02           | 178.53      | 6,480.24              | -1,572.89    | -91.84       | 124.94                  | 2.70                    | -2.64                  | -1.80                 |
| 6,926.00              | 16.16           | 181.92      | 6,660.41              | -1,626.55    | -92.01       | 132.14                  | 0.69                    | -0.46                  | 1.80                  |
| 7,115.00              | 17.83           | 176.75      | 6,841.16              | -1,681.73    | -91.25       | 140.46                  | 1.19                    | 0.88                   | -2.74                 |
| 7,303.00              | 16.55           | 184.24      | 7,020.78              | -1,737.18    | -91.60       | 147.73                  | 1.36                    | -0.68                  | 3.98                  |
| 7,491.00              | 12.05           | 185.54      | 7,202.91              | -1,783.43    | -95.48       | 150.24                  | 2.40                    | -2.39                  | 0.69                  |
| 7,679.00              | 8.55            | 188.48      | 7,387.85              | -1,816.80    | -99.44       | 150.90                  | 1.88                    | -1.86                  | 1.56                  |
| 7,867.00              | 5.13            | 181.19      | 7,574.49              | -1,839.03    | -101.67      | 151.74                  | 1.87                    | -1.82                  | -3.88                 |
| 8,054.00              | 4.41            | 178.69      | 7,760.84              | -1,854.58    | -101.68      | 153.86                  | 0.40                    | -0.39                  | -1.34                 |
| 8,240.00              | 5.11            | 161.96      | 7,946.21              | -1,869.61    | -98.95       | 158.63                  | 0.83                    | 0.38                   | -8.99                 |
| 8,428.00              | 4.24            | 162.44      | 8,133.58              | -1,884.19    | -94.26       | 165.28                  | 0.46                    | -0.46                  | 0.26                  |
| 8,458.00              | 4.05            | 160.97      | 8,163.50              | -1,886.25    | -93.58       | 166.23                  | 0.73                    | -0.63                  | -4.90                 |
| 8,579.00              | 6.58            | 99.96       | 8,284.06              | -1,891.49    | -85.35       | 175.10                  | 4.81                    | 2.09                   | -50.42                |
| 8,674.00              | 18.90           | 86.05       | 8,376.56              | -1,891.38    | -64.56       | 195.68                  | 13.27                   | 12.97                  | -14.64                |
| 8,768.00              | 30.06           | 86.82       | 8,461.97              | -1,889.01    | -25.74       | 233.81                  | 11.88                   | 11.87                  | 0.82                  |



## Survey Report



|                  |                         |                                     |                                     |
|------------------|-------------------------|-------------------------------------|-------------------------------------|
| <b>Company:</b>  | Mewbourne Oil Company   | <b>Local Co-ordinate Reference:</b> | Well Sunrise 31-32 Fee #718H        |
| <b>Project:</b>  | Eddy Co., NM (NAD 83)   | <b>TVD Reference:</b>               | KB=28 @ 3232.00usft (Patterson 562) |
| <b>Site:</b>     | Sunrise 31-32 Fee Pad   | <b>MD Reference:</b>                | KB=28 @ 3232.00usft (Patterson 562) |
| <b>Well:</b>     | Sunrise 31-32 Fee #718H | <b>North Reference:</b>             | Grid                                |
| <b>Wellbore:</b> | OH                      | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Design:</b>   | OH                      | <b>Database:</b>                    | EDM 5000.16 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) |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 8,863.00              | 37.62           | 93.32       | 8,540.85              | -1,889.37    | 27.06        | 286.16                  | 8.81                    | 7.96                   | 6.84                  |
| 8,957.00              | 43.07           | 94.32       | 8,612.46              | -1,893.46    | 87.75        | 346.84                  | 5.84                    | 5.80                   | 1.06                  |
| 9,051.00              | 50.28           | 87.78       | 8,676.96              | -1,894.47    | 156.01       | 414.59                  | 9.18                    | 7.67                   | -6.96                 |
| 9,146.00              | 57.72           | 87.34       | 8,732.76              | -1,891.19    | 232.74       | 490.14                  | 7.84                    | 7.83                   | -0.46                 |
| 9,239.00              | 68.28           | 85.89       | 8,774.92              | -1,886.26    | 315.33       | 571.28                  | 11.44                   | 11.35                  | -1.56                 |
| 9,332.00              | 74.69           | 86.03       | 8,804.44              | -1,880.05    | 403.26       | 657.52                  | 6.89                    | 6.89                   | 0.15                  |
| 9,426.00              | 84.42           | 89.72       | 8,821.46              | -1,876.67    | 495.51       | 748.43                  | 11.05                   | 10.35                  | 3.93                  |
| 9,562.00              | 87.91           | 89.29       | 8,830.56              | -1,875.50    | 631.18       | 882.66                  | 2.59                    | 2.57                   | -0.32                 |
| 9,655.00              | 88.22           | 89.90       | 8,833.70              | -1,874.84    | 724.12       | 974.63                  | 0.74                    | 0.33                   | 0.66                  |
| 9,750.00              | 86.87           | 89.50       | 8,837.77              | -1,874.35    | 819.03       | 1,068.57                | 1.48                    | -1.42                  | -0.42                 |
| 9,845.00              | 86.34           | 89.78       | 8,843.39              | -1,873.75    | 913.86       | 1,162.42                | 0.63                    | -0.56                  | 0.29                  |
| 9,939.00              | 90.71           | 91.45       | 8,845.81              | -1,874.76    | 1,007.80     | 1,255.61                | 4.98                    | 4.65                   | 1.78                  |
| 10,034.00             | 91.67           | 86.35       | 8,843.84              | -1,872.94    | 1,102.73     | 1,349.39                | 5.46                    | 1.01                   | -5.37                 |
| 10,128.00             | 90.01           | 85.74       | 8,842.46              | -1,866.45    | 1,196.49     | 1,441.38                | 1.88                    | -1.77                  | -0.65                 |
| 10,222.00             | 87.07           | 87.27       | 8,844.86              | -1,860.73    | 1,290.27     | 1,533.48                | 3.53                    | -3.13                  | 1.63                  |
| 10,317.00             | 88.00           | 88.06       | 8,848.94              | -1,856.86    | 1,385.10     | 1,626.89                | 1.28                    | 0.98                   | 0.83                  |
| 10,412.00             | 88.05           | 89.50       | 8,852.22              | -1,854.84    | 1,480.02     | 1,720.63                | 1.52                    | 0.05                   | 1.52                  |
| 10,506.00             | 88.08           | 89.36       | 8,855.39              | -1,853.90    | 1,573.97     | 1,813.55                | 0.15                    | 0.03                   | -0.15                 |
| 10,601.00             | 90.52           | 90.65       | 8,856.55              | -1,853.91    | 1,668.95     | 1,907.64                | 2.91                    | 2.57                   | 1.36                  |
| 10,695.00             | 87.75           | 89.75       | 8,857.97              | -1,854.24    | 1,762.93     | 2,000.77                | 3.10                    | -2.95                  | -0.96                 |
| 10,791.00             | 87.55           | 89.58       | 8,861.91              | -1,853.68    | 1,858.84     | 2,095.71                | 0.27                    | -0.21                  | -0.18                 |
| 10,885.00             | 88.11           | 89.93       | 8,865.46              | -1,853.28    | 1,952.78     | 2,188.69                | 0.70                    | 0.60                   | 0.37                  |
| 10,979.00             | 87.94           | 89.52       | 8,868.70              | -1,852.83    | 2,046.72     | 2,281.68                | 0.47                    | -0.18                  | -0.44                 |
| 11,073.00             | 88.19           | 89.60       | 8,871.88              | -1,852.11    | 2,140.66     | 2,374.64                | 0.28                    | 0.27                   | 0.09                  |
| 11,168.00             | 87.80           | 89.50       | 8,875.20              | -1,851.36    | 2,235.60     | 2,468.58                | 0.42                    | -0.41                  | -0.11                 |
| 11,261.00             | 87.97           | 89.56       | 8,878.63              | -1,850.60    | 2,328.53     | 2,560.53                | 0.19                    | 0.18                   | 0.06                  |
| 11,356.00             | 88.05           | 89.69       | 8,881.93              | -1,849.98    | 2,423.48     | 2,654.48                | 0.16                    | 0.08                   | 0.14                  |
| 11,450.00             | 88.25           | 89.61       | 8,884.97              | -1,849.40    | 2,517.42     | 2,747.46                | 0.23                    | 0.21                   | -0.09                 |
| 11,544.00             | 89.59           | 90.02       | 8,886.74              | -1,849.10    | 2,611.40     | 2,840.51                | 1.49                    | 1.43                   | 0.44                  |
| 11,638.00             | 89.45           | 90.10       | 8,887.53              | -1,849.20    | 2,705.40     | 2,933.63                | 0.17                    | -0.15                  | 0.09                  |
| 11,734.00             | 89.06           | 89.09       | 8,888.78              | -1,848.52    | 2,801.39     | 3,028.62                | 1.13                    | -0.41                  | -1.05                 |
| 11,829.00             | 89.31           | 89.80       | 8,890.13              | -1,847.60    | 2,896.37     | 3,122.58                | 0.79                    | 0.26                   | 0.75                  |
| 11,923.00             | 88.84           | 89.11       | 8,891.64              | -1,846.70    | 2,990.36     | 3,215.55                | 0.89                    | -0.50                  | -0.73                 |
| 12,017.00             | 88.45           | 89.17       | 8,893.87              | -1,845.29    | 3,084.32     | 3,308.43                | 0.42                    | -0.41                  | 0.06                  |
| 12,111.00             | 88.47           | 90.11       | 8,896.39              | -1,844.70    | 3,178.28     | 3,401.42                | 1.00                    | 0.02                   | 1.00                  |
| 12,206.00             | 88.67           | 90.04       | 8,898.76              | -1,844.83    | 3,273.25     | 3,495.51                | 0.22                    | 0.21                   | -0.07                 |
| 12,300.00             | 88.61           | 89.77       | 8,900.99              | -1,844.67    | 3,367.23     | 3,588.57                | 0.29                    | -0.06                  | -0.29                 |
| 12,393.00             | 88.81           | 89.25       | 8,903.09              | -1,843.88    | 3,460.20     | 3,680.56                | 0.60                    | 0.22                   | -0.56                 |
| 12,488.00             | 88.95           | 89.81       | 8,904.95              | -1,843.10    | 3,555.18     | 3,774.53                | 0.61                    | 0.15                   | 0.59                  |
| 12,582.00             | 89.15           | 88.94       | 8,906.50              | -1,842.07    | 3,649.16     | 3,867.48                | 0.95                    | 0.21                   | -0.93                 |
| 12,676.00             | 88.92           | 89.60       | 8,908.09              | -1,840.88    | 3,743.14     | 3,960.40                | 0.74                    | -0.24                  | 0.70                  |
| 12,770.00             | 88.84           | 90.01       | 8,909.92              | -1,840.56    | 3,837.12     | 4,053.45                | 0.44                    | -0.09                  | 0.44                  |
| 12,865.00             | 89.17           | 90.13       | 8,911.57              | -1,840.67    | 3,932.10     | 4,147.55                | 0.37                    | 0.35                   | 0.13                  |
| 12,959.00             | 88.98           | 89.24       | 8,913.09              | -1,840.15    | 4,026.09     | 4,240.58                | 0.97                    | -0.20                  | -0.95                 |



## Survey Report



|                  |                         |                                     |                                     |
|------------------|-------------------------|-------------------------------------|-------------------------------------|
| <b>Company:</b>  | Mewbourne Oil Company   | <b>Local Co-ordinate Reference:</b> | Well Sunrise 31-32 Fee #718H        |
| <b>Project:</b>  | Eddy Co., NM (NAD 83)   | <b>TVD Reference:</b>               | KB=28 @ 3232.00usft (Patterson 562) |
| <b>Site:</b>     | Sunrise 31-32 Fee Pad   | <b>MD Reference:</b>                | KB=28 @ 3232.00usft (Patterson 562) |
| <b>Well:</b>     | Sunrise 31-32 Fee #718H | <b>North Reference:</b>             | Grid                                |
| <b>Wellbore:</b> | OH                      | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Design:</b>   | OH                      | <b>Database:</b>                    | EDM 5000.16 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) |
| 13,054.00             | 88.64           | 89.55       | 8,915.06              | -1,839.15    | 4,121.06     | 4,334.51                | 0.48                    | -0.36                  | 0.33                  |
| 13,149.00             | 88.73           | 89.51       | 8,917.24              | -1,838.37    | 4,216.04     | 4,428.48                | 0.10                    | 0.09                   | -0.04                 |
| 13,243.00             | 88.84           | 88.69       | 8,919.24              | -1,836.90    | 4,310.00     | 4,521.35                | 0.88                    | 0.12                   | -0.87                 |
| 13,339.00             | 88.81           | 89.70       | 8,921.21              | -1,835.55    | 4,405.97     | 4,616.23                | 1.05                    | -0.03                  | 1.05                  |
| 13,434.00             | 88.84           | 89.39       | 8,923.15              | -1,834.79    | 4,500.95     | 4,710.20                | 0.33                    | 0.03                   | -0.33                 |
| 13,528.00             | 88.84           | 89.57       | 8,925.06              | -1,833.94    | 4,594.92     | 4,803.17                | 0.19                    | 0.00                   | 0.19                  |
| 13,622.00             | 88.53           | 91.32       | 8,927.22              | -1,834.67    | 4,688.89     | 4,896.35                | 1.89                    | -0.33                  | 1.86                  |
| 13,716.00             | 88.98           | 85.31       | 8,929.26              | -1,831.91    | 4,782.79     | 4,988.98                | 6.41                    | 0.48                   | -6.39                 |
| 13,810.00             | 89.57           | 83.18       | 8,930.45              | -1,822.48    | 4,876.30     | 5,080.31                | 2.35                    | 0.63                   | -2.27                 |
| 13,905.00             | 88.87           | 76.80       | 8,931.74              | -1,805.98    | 4,969.80     | 5,170.66                | 6.76                    | -0.74                  | -6.72                 |
| 14,001.00             | 89.68           | 74.22       | 8,932.96              | -1,781.96    | 5,062.73     | 5,259.41                | 2.82                    | 0.84                   | -2.69                 |
| 14,094.00             | 87.30           | 68.95       | 8,935.41              | -1,752.61    | 5,150.90     | 5,342.72                | 6.22                    | -2.56                  | -5.67                 |
| 14,188.00             | 90.27           | 66.16       | 8,937.40              | -1,716.74    | 5,237.74     | 5,423.81                | 4.33                    | 3.16                   | -2.97                 |
| 14,282.00             | 86.79           | 62.26       | 8,939.82              | -1,675.87    | 5,322.32     | 5,501.98                | 5.56                    | -3.70                  | -4.15                 |
| 14,376.00             | 86.82           | 65.65       | 8,945.06              | -1,634.67    | 5,406.63     | 5,579.84                | 3.60                    | 0.03                   | 3.61                  |
| 14,469.00             | 89.54           | 67.66       | 8,948.01              | -1,597.84    | 5,491.96     | 5,659.31                | 3.64                    | 2.92                   | 2.16                  |
| 14,563.00             | 89.40           | 69.66       | 8,948.88              | -1,563.64    | 5,579.51     | 5,741.33                | 2.13                    | -0.15                  | 2.13                  |
| 14,657.00             | 88.81           | 73.90       | 8,950.35              | -1,534.26    | 5,668.76     | 5,825.71                | 4.55                    | -0.63                  | 4.51                  |
| 14,752.00             | 87.97           | 77.22       | 8,953.02              | -1,510.58    | 5,760.71     | 5,913.54                | 3.60                    | -0.88                  | 3.49                  |
| 14,846.00             | 89.40           | 81.17       | 8,955.18              | -1,492.97    | 5,853.00     | 6,002.53                | 4.47                    | 1.52                   | 4.20                  |
| 14,940.00             | 90.57           | 85.05       | 8,955.20              | -1,481.69    | 5,946.30     | 6,093.41                | 4.31                    | 1.24                   | 4.13                  |
| 15,036.00             | 90.27           | 84.51       | 8,954.50              | -1,472.96    | 6,041.90     | 6,186.90                | 0.64                    | -0.31                  | -0.56                 |
| 15,131.00             | 90.01           | 83.59       | 8,954.27              | -1,463.11    | 6,136.39     | 6,279.14                | 1.01                    | -0.27                  | -0.97                 |
| 15,226.00             | 89.17           | 82.61       | 8,954.95              | -1,451.70    | 6,230.70     | 6,370.99                | 1.36                    | -0.88                  | -1.03                 |
| 15,327.00             | 89.65           | 79.19       | 8,955.99              | -1,435.73    | 6,330.40     | 6,467.56                | 3.42                    | 0.48                   | -3.39                 |
| 15,422.00             | 86.51           | 86.47       | 8,959.17              | -1,423.88    | 6,424.53     | 6,559.17                | 8.34                    | -3.31                  | 7.66                  |
| 15,517.00             | 87.88           | 94.50       | 8,963.83              | -1,424.69    | 6,519.33     | 6,653.19                | 8.56                    | 1.44                   | 8.45                  |
| 15,612.00             | 90.07           | 95.24       | 8,965.53              | -1,432.75    | 6,613.97     | 6,748.03                | 2.43                    | 2.31                   | 0.78                  |
| 15,707.00             | 90.24           | 94.42       | 8,965.27              | -1,440.75    | 6,708.63     | 6,842.90                | 0.88                    | 0.18                   | -0.86                 |
| 15,803.00             | 90.29           | 94.41       | 8,964.83              | -1,448.14    | 6,804.35     | 6,938.72                | 0.05                    | 0.05                   | -0.01                 |
| 15,898.00             | 90.04           | 94.31       | 8,964.55              | -1,455.36    | 6,899.07     | 7,033.54                | 0.28                    | -0.26                  | -0.11                 |
| 15,993.00             | 90.15           | 94.21       | 8,964.40              | -1,462.42    | 6,993.81     | 7,128.35                | 0.16                    | 0.12                   | -0.11                 |
| 16,088.00             | 90.13           | 94.17       | 8,964.16              | -1,469.36    | 7,088.55     | 7,223.15                | 0.05                    | -0.02                  | -0.04                 |
| 16,183.00             | 89.43           | 92.28       | 8,964.53              | -1,474.70    | 7,183.40     | 7,317.83                | 2.12                    | -0.74                  | -1.99                 |
| 16,278.00             | 89.12           | 91.83       | 8,965.73              | -1,478.11    | 7,278.33     | 7,412.33                | 0.58                    | -0.33                  | -0.47                 |
| 16,372.00             | 89.26           | 91.94       | 8,967.06              | -1,481.20    | 7,372.27     | 7,505.80                | 0.19                    | 0.15                   | 0.12                  |
| 16,467.00             | 89.26           | 90.97       | 8,968.29              | -1,483.61    | 7,467.23     | 7,600.20                | 1.02                    | 0.00                   | -1.02                 |
| 16,562.00             | 89.23           | 90.93       | 8,969.54              | -1,485.19    | 7,562.21     | 7,694.49                | 0.05                    | -0.03                  | -0.04                 |
| 16,657.00             | 89.12           | 90.05       | 8,970.91              | -1,486.00    | 7,657.19     | 7,788.69                | 0.93                    | -0.12                  | -0.93                 |
| 16,752.00             | 89.15           | 90.27       | 8,972.34              | -1,486.27    | 7,752.18     | 7,882.82                | 0.23                    | 0.03                   | 0.23                  |
| 16,847.00             | 89.15           | 90.18       | 8,973.75              | -1,486.64    | 7,847.17     | 7,976.96                | 0.09                    | 0.00                   | -0.09                 |
| 16,942.00             | 89.26           | 90.18       | 8,975.07              | -1,486.94    | 7,942.16     | 8,071.09                | 0.12                    | 0.12                   | 0.00                  |
| 17,038.00             | 89.23           | 90.12       | 8,976.33              | -1,487.19    | 8,038.15     | 8,166.21                | 0.07                    | -0.03                  | -0.06                 |



## Survey Report



|                  |                         |                                     |                                     |
|------------------|-------------------------|-------------------------------------|-------------------------------------|
| <b>Company:</b>  | Mewbourne Oil Company   | <b>Local Co-ordinate Reference:</b> | Well Sunrise 31-32 Fee #718H        |
| <b>Project:</b>  | Eddy Co., NM (NAD 83)   | <b>TVD Reference:</b>               | KB=28 @ 3232.00usft (Patterson 562) |
| <b>Site:</b>     | Sunrise 31-32 Fee Pad   | <b>MD Reference:</b>                | KB=28 @ 3232.00usft (Patterson 562) |
| <b>Well:</b>     | Sunrise 31-32 Fee #718H | <b>North Reference:</b>             | Grid                                |
| <b>Wellbore:</b> | OH                      | <b>Survey Calculation Method:</b>   | Minimum Curvature                   |
| <b>Design:</b>   | OH                      | <b>Database:</b>                    | EDM 5000.16 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) |
|-----------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 17,133.00                   | 89.26           | 90.16       | 8,977.58              | -1,487.42    | 8,133.14     | 8,260.33                | 0.05                    | 0.03                   | 0.04                  |
| 17,229.00                   | 88.39           | 88.91       | 8,979.55              | -1,486.64    | 8,229.12     | 8,355.29                | 1.59                    | -0.91                  | -1.30                 |
| 17,324.00                   | 88.78           | 89.02       | 8,981.90              | -1,484.93    | 8,324.07     | 8,449.11                | 0.43                    | 0.41                   | 0.12                  |
| 17,419.00                   | 89.26           | 89.18       | 8,983.52              | -1,483.43    | 8,419.05     | 8,542.98                | 0.53                    | 0.51                   | 0.17                  |
| 17,514.00                   | 89.65           | 89.74       | 8,984.43              | -1,482.54    | 8,514.04     | 8,636.95                | 0.72                    | 0.41                   | 0.59                  |
| 17,610.00                   | 89.17           | 89.40       | 8,985.42              | -1,481.82    | 8,610.03     | 8,731.93                | 0.61                    | -0.50                  | -0.35                 |
| 17,705.00                   | 89.40           | 89.74       | 8,986.60              | -1,481.11    | 8,705.02     | 8,825.93                | 0.43                    | 0.24                   | 0.36                  |
| 17,801.00                   | 87.30           | 88.84       | 8,989.37              | -1,479.92    | 8,800.97     | 8,920.80                | 2.38                    | -2.19                  | -0.94                 |
| 17,896.00                   | 86.56           | 89.21       | 8,994.45              | -1,478.30    | 8,895.81     | 9,014.53                | 0.87                    | -0.78                  | 0.39                  |
| 17,991.00                   | 86.59           | 89.09       | 9,000.13              | -1,476.90    | 8,990.63     | 9,108.26                | 0.13                    | 0.03                   | -0.13                 |
| 18,086.00                   | 87.07           | 88.97       | 9,005.38              | -1,475.29    | 9,085.48     | 9,201.98                | 0.52                    | 0.51                   | -0.13                 |
| 18,182.00                   | 86.85           | 88.82       | 9,010.47              | -1,473.44    | 9,181.32     | 9,296.67                | 0.28                    | -0.23                  | -0.16                 |
| 18,277.00                   | 87.52           | 89.72       | 9,015.14              | -1,472.23    | 9,276.20     | 9,390.48                | 1.18                    | 0.71                   | 0.95                  |
| 18,372.00                   | 88.28           | 89.82       | 9,018.62              | -1,471.85    | 9,371.13     | 9,484.46                | 0.81                    | 0.80                   | 0.11                  |
| 18,467.00                   | 88.84           | 89.47       | 9,021.01              | -1,471.26    | 9,466.10     | 9,578.45                | 0.70                    | 0.59                   | -0.37                 |
| 18,563.00                   | 88.56           | 89.23       | 9,023.19              | -1,470.17    | 9,562.07     | 9,673.36                | 0.38                    | -0.29                  | -0.25                 |
| 18,656.00                   | 88.30           | 89.50       | 9,025.73              | -1,469.14    | 9,655.03     | 9,765.30                | 0.40                    | -0.28                  | 0.29                  |
| 18,750.00                   | 88.56           | 89.77       | 9,028.31              | -1,468.55    | 9,748.99     | 9,858.29                | 0.40                    | 0.28                   | 0.29                  |
| 18,844.00                   | 89.17           | 89.87       | 9,030.17              | -1,468.25    | 9,842.97     | 9,951.34                | 0.66                    | 0.65                   | 0.11                  |
| 18,938.00                   | 89.15           | 89.47       | 9,031.55              | -1,467.71    | 9,936.96     | 10,044.37               | 0.43                    | -0.02                  | -0.43                 |
| 19,032.00                   | 89.12           | 89.42       | 9,032.97              | -1,466.80    | 10,030.95    | 10,137.34               | 0.06                    | -0.03                  | -0.05                 |
| 19,126.00                   | 89.23           | 89.23       | 9,034.32              | -1,465.69    | 10,124.93    | 10,230.28               | 0.23                    | 0.12                   | -0.20                 |
| 19,219.00                   | 89.20           | 89.80       | 9,035.60              | -1,464.90    | 10,217.92    | 10,322.28               | 0.61                    | -0.03                  | 0.61                  |
| 19,314.00                   | 89.48           | 89.41       | 9,036.69              | -1,464.25    | 10,312.91    | 10,416.28               | 0.51                    | 0.29                   | -0.41                 |
| 19,408.00                   | 89.12           | 89.41       | 9,037.84              | -1,463.28    | 10,406.90    | 10,509.24               | 0.38                    | -0.38                  | 0.00                  |
| 19,503.00                   | 89.93           | 89.69       | 9,038.63              | -1,462.53    | 10,501.89    | 10,603.24               | 0.90                    | 0.85                   | 0.29                  |
| 19,517.00                   | 89.73           | 89.68       | 9,038.67              | -1,462.46    | 10,515.89    | 10,617.09               | 1.43                    | -1.43                  | -0.07                 |
| <b>Last Survey @ 19517'</b> |                 |             |                       |              |              |                         |                         |                        |                       |
| 19,559.00                   | 89.73           | 89.68       | 9,038.87              | -1,462.22    | 10,557.89    | 10,658.66               | 0.00                    | 0.00                   | 0.00                  |
| <b>PTB @ 19599'</b>         |                 |             |                       |              |              |                         |                         |                        |                       |

## Design Annotations

| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              | Comment              |
|-----------------------|-----------------------|-------------------|--------------|----------------------|
|                       |                       | +N/-S (usft)      | +E/-W (usft) |                      |
| 664.00                | 663.96                | -4.29             | -4.66        | First AEP Survey     |
| 19,517.00             | 9,038.67              | -1,462.46         | 10,515.89    | Last Survey @ 19517' |
| 19,559.00             | 9,038.87              | -1,462.22         | 10,557.89    | PTB @ 19599'         |

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

Intent  As-Drilled ☒

API #:

30-015-49896

|                                                |                                            |                            |
|------------------------------------------------|--------------------------------------------|----------------------------|
| <b>Operator Name:</b><br>Mewbourne Oil Company | <b>Property Name:</b><br>Sunrise 31/32 Fee | <b>Well Number</b><br>718H |
|------------------------------------------------|--------------------------------------------|----------------------------|

**Kick Off Point (KOP)**

|                               |                      |                         |                      |                                 |                     |                        |                     |                        |                       |
|-------------------------------|----------------------|-------------------------|----------------------|---------------------------------|---------------------|------------------------|---------------------|------------------------|-----------------------|
| <b>UL</b><br>P                | <b>Section</b><br>36 | <b>Township</b><br>T22S | <b>Range</b><br>R26E | <b>Lot</b>                      | <b>Feet</b><br>653' | <b>From N/S</b><br>FSL | <b>Feet</b><br>198' | <b>From E/W</b><br>FEL | <b>County</b><br>Eddy |
| <b>Latitude</b><br>32.3429116 |                      |                         |                      | <b>Longitude</b><br>104.2383077 |                     |                        |                     | <b>NAD</b><br>83       |                       |

**First Take Point (FTP)**

|                               |                      |                         |                      |                                |                     |                        |                     |                        |                       |
|-------------------------------|----------------------|-------------------------|----------------------|--------------------------------|---------------------|------------------------|---------------------|------------------------|-----------------------|
| <b>UL</b><br>M                | <b>Section</b><br>31 | <b>Township</b><br>T22S | <b>Range</b><br>R27E | <b>Lot</b>                     | <b>Feet</b><br>662' | <b>From N/S</b><br>FSL | <b>Feet</b><br>338' | <b>From E/W</b><br>FWL | <b>County</b><br>Eddy |
| <b>Latitude</b><br>32.3429464 |                      |                         |                      | <b>Longitude</b><br>104.236573 |                     |                        |                     | <b>NAD</b><br>83       |                       |

**Last Take Point (LTP)**

|                               |                      |                         |                      |                                 |                     |                        |                     |                        |                       |
|-------------------------------|----------------------|-------------------------|----------------------|---------------------------------|---------------------|------------------------|---------------------|------------------------|-----------------------|
| <b>UL</b><br>P                | <b>Section</b><br>32 | <b>Township</b><br>T22S | <b>Range</b><br>R27E | <b>Lot</b>                      | <b>Feet</b><br>988' | <b>From N/S</b><br>FSL | <b>Feet</b><br>331' | <b>From E/W</b><br>FEL | <b>County</b><br>Eddy |
| <b>Latitude</b><br>32.3440561 |                      |                         |                      | <b>Longitude</b><br>104.2046426 |                     |                        |                     | <b>NAD</b><br>83       |                       |

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

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

API #

30-015-54392

|                                                |                                            |                            |
|------------------------------------------------|--------------------------------------------|----------------------------|
| <b>Operator Name:</b><br>Mewbourne Oil Company | <b>Property Name:</b><br>Sunrise 31/32 Fee | <b>Well Number</b><br>826H |
|------------------------------------------------|--------------------------------------------|----------------------------|

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

Form C-103  
 Revised July 18, 2013

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

|                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------|
| WELL API NO.<br>30-015-49896                                                                                                     |
| 5. Indicate Type of Lease<br>STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> FED <input type="checkbox"/> |
| 6. State Oil & Gas Lease No.                                                                                                     |
| 7. Lease Name or Unit Agreement Name<br>Sunrise 31/32 Fee                                                                        |
| 8. Well Number<br>718H                                                                                                           |
| 9. OGRID Number<br>14744                                                                                                         |
| 10. Pool name or Wildcat<br>Purple Sage; Wolfcamp 98220                                                                          |

|                                                                                                                                                                                                                        |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <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.)          |  |
| 1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other                                                                                                                  |  |
| 2. Name of Operator<br>Mewbourne Oil Company                                                                                                                                                                           |  |
| 3. Address of Operator<br>PO Box 5270, Hobbs NM 88240                                                                                                                                                                  |  |
| 4. Well Location<br>Unit Letter <u>I</u> : <u>2545</u> feet from the <u>South</u> line and <u>115</u> feet from the <u>East</u> line<br>Section <u>36</u> Township <u>22S</u> Range <u>26E</u> NMPM <u>Eddy</u> County |  |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br>3204' GL                                                                                                                                                         |  |

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

|                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NOTICE OF INTENTION TO:</b><br>PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/><br>TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/><br>PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/><br>DOWNHOLE COMMINGLE <input type="checkbox"/><br>CLOSED-LOOP SYSTEM <input type="checkbox"/><br>OTHER: <input type="checkbox"/> | <b>SUBSEQUENT REPORT OF:</b><br>REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/><br>COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/><br>CASING/CEMENT JOB <input type="checkbox"/><br>OTHER: Completion Sundry <input checked="" type="checkbox"/> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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.

04/16/2024 - Perf and frac from 9380' to 19312'. Frac horizontal Wolfcamp w/13357932 gals brackish slickwater & 11845722 gals PW slickwater, carrying 24733984# proppant. Flowback well for cleanup.

04/20/2024 Drill out frac plugs to PBDT @ 19547'.

04/23/2024 PWOL.

Castille 500'-Salt Base 1570'-Delaware (Lamar) 1840'-Bell Canyon 1990'-Cherry Canyon 2640'-Manzanita Marker 2810'-Basal Brushy Canyon 4870'-Bone Spring 5260'-1st Bone Spring Sand 6320'-2nd Bone Spring Sand 6820'-3rd Bone Spring Sand 8370'-Wolfcamp 8730'

Spud Date: 12/11/2023

Rig Release Date: 01/08/2024

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 06/12/2024

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

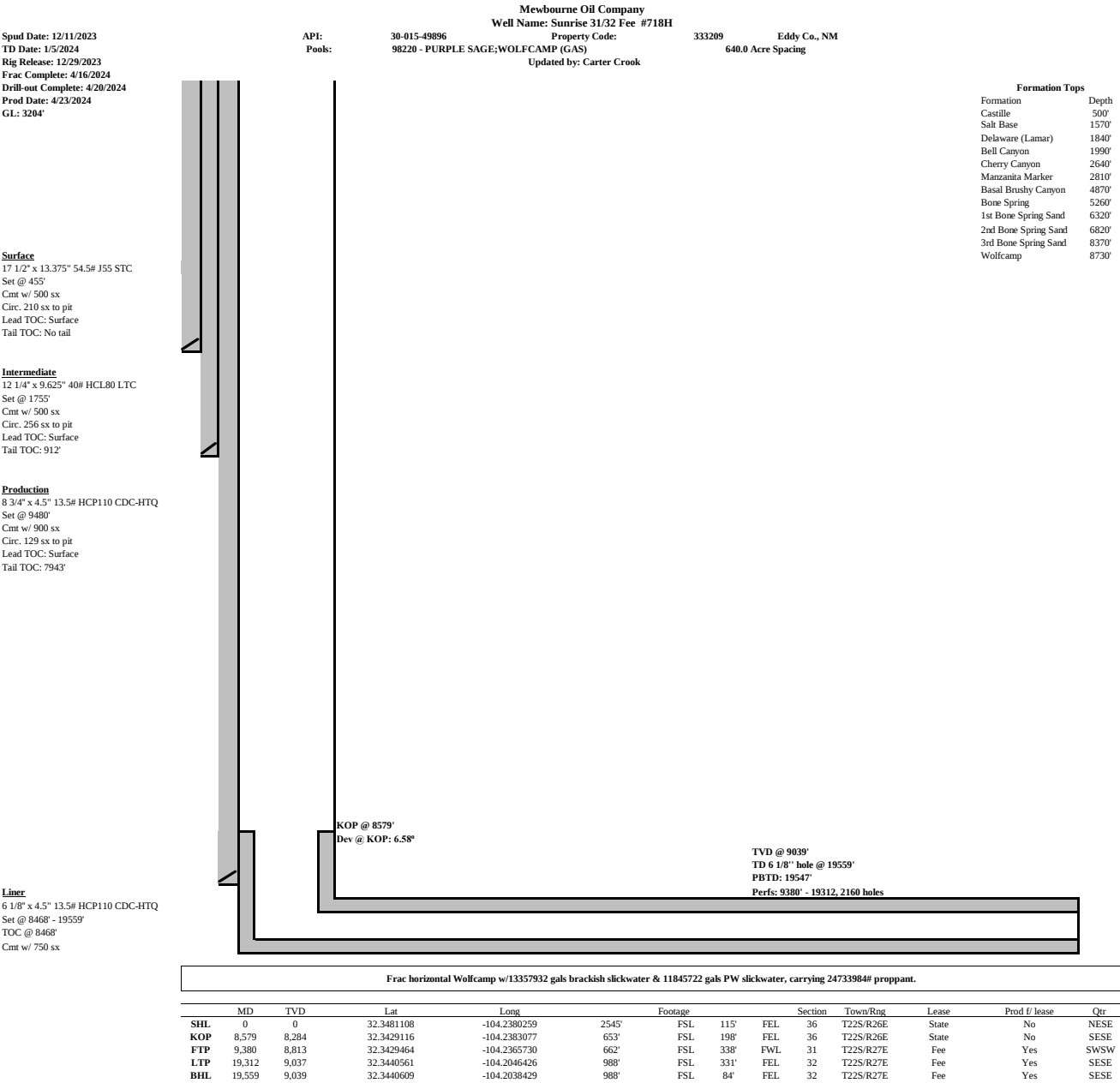
**For State Use Only**

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

Conditions of Approval (if any):

|                                                                                                                                                                                                                                                                                                                                                                                           |                                     |                                                                                                                                                                                       |                                        |                       |                      |                                                                                                                                                                                                                           |                                  |                                                   |            |                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------------------------------------------|------------|--------------------------|
| 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>30-015-49896                                                                                                                                                                                           |                                  |                                                   |            |                          |
|                                                                                                                                                                                                                                                                                                                                                                                           |                                     |                                                                                                                                                                                       |                                        |                       |                      | 2. Type of Lease<br><input type="checkbox"/> STATE <input checked="" 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>Sunrise 31/32 Fee                                                                                                                                                                 |                                  |                                                   |            |                          |
|                                                                                                                                                                                                                                                                                                                                                                                           |                                     |                                                                                                                                                                                       |                                        |                       |                      | 6. Well Number: 718H                                                                                                                                                                                                      |                                  |                                                   |            |                          |
| 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 14744                                                                                                                                                                                                            |                                  |                                                   |            |                          |
| 10. Address of Operator<br>PO Box 5270<br>Hobbs, NM 88241                                                                                                                                                                                                                                                                                                                                 |                                     |                                                                                                                                                                                       |                                        |                       |                      | 11. Pool name or Wildcat<br>Purple Sage; Wolfcamp 98220                                                                                                                                                                   |                                  |                                                   |            |                          |
| 12. Location                                                                                                                                                                                                                                                                                                                                                                              | Unit Ltr                            | Section                                                                                                                                                                               | Township                               | Range                 | Lot                  | Feet from the                                                                                                                                                                                                             | N/S Line                         | Feet from the                                     | E/W Line   | County                   |
| Surface:                                                                                                                                                                                                                                                                                                                                                                                  | I                                   | 36                                                                                                                                                                                    | 22S                                    | 26E                   |                      | 2545                                                                                                                                                                                                                      | South                            | 115                                               | East       | Eddy                     |
| BH:                                                                                                                                                                                                                                                                                                                                                                                       | P                                   | 32                                                                                                                                                                                    | 22S                                    | 27E                   |                      | 988                                                                                                                                                                                                                       | South                            | 84                                                | East       | Eddy                     |
| 13. Date Spudded<br>12/11/23                                                                                                                                                                                                                                                                                                                                                              | 14. Date T.D. Reached<br>01/05/2024 |                                                                                                                                                                                       | 15. Date Rig Released<br>01/08/2024    |                       |                      | 16. Date Completed (Ready to Produce)<br>04/23/2024                                                                                                                                                                       |                                  | 17. Elevations (DF and RKB, RT, GR, etc.) 3204 GL |            |                          |
| 18. Total Measured Depth of Well<br>19559'                                                                                                                                                                                                                                                                                                                                                |                                     |                                                                                                                                                                                       | 19. Plug Back Measured Depth<br>19547' |                       |                      | 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>9380' – 19312' 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#                                                                                                                                                                                 |                                        | 455'                  |                      | 17 1/2"                                                                                                                                                                                                                   |                                  | 500                                               |            | Surface                  |
| 9 5/8"                                                                                                                                                                                                                                                                                                                                                                                    |                                     | 40#                                                                                                                                                                                   |                                        | 1755'                 |                      | 12 1/4"                                                                                                                                                                                                                   |                                  | 700                                               |            | Surface                  |
| 7"                                                                                                                                                                                                                                                                                                                                                                                        |                                     | 29#                                                                                                                                                                                   |                                        | 9480                  |                      | 8 3/4"                                                                                                                                                                                                                    |                                  | 900                                               |            | Surface                  |
|                                                                                                                                                                                                                                                                                                                                                                                           |                                     |                                                                                                                                                                                       |                                        |                       |                      |                                                                                                                                                                                                                           |                                  |                                                   |            |                          |
|                                                                                                                                                                                                                                                                                                                                                                                           |                                     |                                                                                                                                                                                       |                                        |                       |                      |                                                                                                                                                                                                                           |                                  |                                                   |            |                          |
| <b>24. LINER RECORD</b>                                                                                                                                                                                                                                                                                                                                                                   |                                     |                                                                                                                                                                                       |                                        |                       |                      |                                                                                                                                                                                                                           |                                  |                                                   |            | <b>25. TUBING RECORD</b> |
| SIZE                                                                                                                                                                                                                                                                                                                                                                                      | TOP                                 | BOTTOM                                                                                                                                                                                | SACKS CEMENT                           |                       | SCREEN               | SIZE                                                                                                                                                                                                                      | DEPTH SET                        |                                                   | PACKER SET |                          |
| 4 1/2"                                                                                                                                                                                                                                                                                                                                                                                    | 8468'                               | 19559 (MD)                                                                                                                                                                            | 750                                    |                       |                      |                                                                                                                                                                                                                           |                                  |                                                   |            |                          |
| 26. Perforation record (interval, size, and number)<br><br>9380' – 19312' (0.39" EHD, 2160 holes)                                                                                                                                                                                                                                                                                         |                                     |                                                                                                                                                                                       |                                        |                       |                      | 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.<br>DEPTH INTERVAL      AMOUNT AND KIND MATERIAL USED<br>9380' – 19312'      13357932 gals Brackish slickwater & 11845722 gals PW slickwater, carrying 24733984# proppant. |                                  |                                                   |            |                          |
|                                                                                                                                                                                                                                                                                                                                                                                           |                                     |                                                                                                                                                                                       |                                        |                       |                      |                                                                                                                                                                                                                           |                                  |                                                   |            |                          |
|                                                                                                                                                                                                                                                                                                                                                                                           |                                     |                                                                                                                                                                                       |                                        |                       |                      |                                                                                                                                                                                                                           |                                  |                                                   |            |                          |
| <b>28. PRODUCTION</b>                                                                                                                                                                                                                                                                                                                                                                     |                                     |                                                                                                                                                                                       |                                        |                       |                      |                                                                                                                                                                                                                           |                                  |                                                   |            |                          |
| Date First Production<br>04/23/2024                                                                                                                                                                                                                                                                                                                                                       |                                     | Production Method (Flowing, gas lift, pumping - Size and type pump)<br>Flowing                                                                                                        |                                        |                       |                      | Well Status (Prod. or Shut-in)<br>Producing                                                                                                                                                                               |                                  |                                                   |            |                          |
| Date of Test<br>04/28/2024                                                                                                                                                                                                                                                                                                                                                                | Hours Tested<br>24                  | Choke Size<br>28/64                                                                                                                                                                   | Prod'n For Test Period                 | Oil - Bbl<br>159      | Gas - MCF<br>164     | Water - Bbl.<br>1686                                                                                                                                                                                                      | Gas - Oil Ratio<br>1031          |                                                   |            |                          |
| Flow Tubing<br>Press. NA                                                                                                                                                                                                                                                                                                                                                                  | Casing Pressure<br>440              | Calculated 24-Hour Rate                                                                                                                                                               | Oil - Bbl.<br>159                      | Gas - MCF<br>164      | Water - Bbl.<br>1686 | Oil Gravity - API - (Corr.)                                                                                                                                                                                               |                                  |                                                   |            |                          |
| 29. Disposition of Gas (Sold, used for fuel, vented, etc.)<br>Sold                                                                                                                                                                                                                                                                                                                        |                                     |                                                                                                                                                                                       |                                        |                       |                      |                                                                                                                                                                                                                           |                                  | 30. Test Witnessed By<br>Robin Terrell            |            |                          |
| 31. List Attachments<br><br>As drilled C-102, Directional survey, C-104, completion sundry, additional kickoff sheet & Wellbore schematic                                                                                                                                                                                                                                                 |                                     |                                                                                                                                                                                       |                                        |                       |                      |                                                                                                                                                                                                                           |                                  |                                                   |            |                          |
| 32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.                                                                                                                                                                                                                                                                                        |                                     |                                                                                                                                                                                       |                                        |                       |                      |                                                                                                                                                                                                                           | 33. Rig Release Date: 01/08/2024 |                                                   |            |                          |
| 34. If an on-site burial was used at the well, report the exact location of the on-site burial:<br>Latitude Longitude NAD83                                                                                                                                                                                                                                                               |                                     |                                                                                                                                                                                       |                                        |                       |                      |                                                                                                                                                                                                                           |                                  |                                                   |            |                          |
| <i>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</i>                                                                                                                                                                                                                                                 |                                     |                                                                                                                                                                                       |                                        |                       |                      |                                                                                                                                                                                                                           |                                  |                                                   |            |                          |
| Jackie Lathan      Printed                                                                                                                                                                                                                                                                                                                                                                |                                     |                                                                                                                                                                                       |                                        |                       |                      |                                                                                                                                                                                                                           |                                  |                                                   |            |                          |
| Signature                                                                                                                                                                                                                                                                                              |                                     | Name                                                                                                                                                                                  |                                        | Title      Regulatory |                      | Date 06/12/2024                                                                                                                                                                                                           |                                  |                                                   |            |                          |
| E-mail Address jlathan@mewbourne.com                                                                                                                                                                                                                                                                                                                                                      |                                     |                                                                                                                                                                                       |                                        |                       |                      |                                                                                                                                                                                                                           |                                  |                                                   |            |                          |





**District I**  
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**District II**  
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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 353353

ACKNOWLEDGMENTS

|                                                                   |                                                    |
|-------------------------------------------------------------------|----------------------------------------------------|
| Operator:<br>MEWBOURNE OIL CO<br>P.O. Box 5270<br>Hobbs, NM 88241 | OGRID:<br>14744                                    |
|                                                                   | Action Number:<br>353353                           |
|                                                                   | Action Type:<br>[C-104] Completion Packet (C-104C) |

ACKNOWLEDGMENTS

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

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**Energy, Minerals and Natural Resources**  
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CONDITIONS  
  
Action 353353

CONDITIONS

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

CONDITIONS

| Created By | Condition                                                                                  | Condition Date |
|------------|--------------------------------------------------------------------------------------------|----------------|
| plmartinez | File 3160-4 Completion Report and 3160-5 Completion Sundry within 10 days of BLM approval. | 6/13/2024      |