

| Santa Fe Main Office<br>Phone: (505) 476-3441<br><br>General Information<br>Phone: (505) 629-6116<br><br>Online Phone Directory<br><a href="https://www.emnrd.nm.gov/ocd/contact-us">https://www.emnrd.nm.gov/ocd/contact-us</a>   | <b>State of New Mexico</b><br><b>Energy, Minerals and Natural Resources</b><br><b>Oil Conservation Division</b><br><b>1220 S. St Francis Dr.</b><br><b>Santa Fe, NM 87505</b> | Form C-103<br>August 1, 2011<br><br>Permit 358557  |   |          |  |           |          |              |       |         |          |         |           |           |           |           |           |           |          |      |            |      |        |      |     |   |     |     |      |   |   |      |   |   |          |      |            |       |       |    |     |   |     |     |      |   |   |      |   |   |          |      |            |      |   |    |        |   |      |     |      |   |   |      |   |   |          |        |            |       |     |      |      |      |       |     |      |   |   |      |   |   |
|--|---|--|---|----------|--|-----------|----------|--------------|-------|---------|----------|---------|-----------|-----------|-----------|-----------|-----------|-----------|----------|------|------------|------|--------|------|-----|---|-----|-----|------|---|---|------|---|---|----------|------|------------|-------|-------|----|-----|---|-----|-----|------|---|---|------|---|---|----------|------|------------|------|---|----|--------|---|------|-----|------|---|---|------|---|---|----------|--------|------------|-------|-----|------|------|------|-------|-----|------|---|---|------|---|---|
|  |   | WELL API NUMBER<br>30-015-49895  |   |          |  |           |          |              |       |         |          |         |           |           |           |           |           |           |          |      |            |      |        |      |     |   |     |     |      |   |   |      |   |   |          |      |            |       |       |    |     |   |     |     |      |   |   |      |   |   |          |      |            |      |   |    |        |   |      |     |      |   |   |      |   |   |          |        |            |       |     |      |      |      |       |     |      |   |   |      |   |   |
|  |   | 5. Indicate Type of Lease<br>State   |   |          |  |           |          |              |       |         |          |         |           |           |           |           |           |           |          |      |            |      |        |      |     |   |     |     |      |   |   |      |   |   |          |      |            |       |       |    |     |   |     |     |      |   |   |      |   |   |          |      |            |      |   |    |        |   |      |     |      |   |   |      |   |   |          |        |            |       |     |      |      |      |       |     |      |   |   |      |   |   |
|  |   | 6. State Oil & Gas Lease No.   |   |          |  |           |          |              |       |         |          |         |           |           |           |           |           |           |          |      |            |      |        |      |     |   |     |     |      |   |   |      |   |   |          |      |            |       |       |    |     |   |     |     |      |   |   |      |   |   |          |      |            |      |   |    |        |   |      |     |      |   |   |      |   |   |          |        |            |       |     |      |      |      |       |     |      |   |   |      |   |   |
| <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.)  |   | 7. Lease Name or Unit Agreement Name<br>RIO GRANDE 2 1 STATE COM   |   |          |  |           |          |              |       |         |          |         |           |           |           |           |           |           |          |      |            |      |        |      |     |   |     |     |      |   |   |      |   |   |          |      |            |       |       |    |     |   |     |     |      |   |   |      |   |   |          |      |            |      |   |    |        |   |      |     |      |   |   |      |   |   |          |        |            |       |     |      |      |      |       |     |      |   |   |      |   |   |
| 1. Type of Well:<br>Oil  |   | 8. Well Number<br>613H   |   |          |  |           |          |              |       |         |          |         |           |           |           |           |           |           |          |      |            |      |        |      |     |   |     |     |      |   |   |      |   |   |          |      |            |       |       |    |     |   |     |     |      |   |   |      |   |   |          |      |            |      |   |    |        |   |      |     |      |   |   |      |   |   |          |        |            |       |     |      |      |      |       |     |      |   |   |      |   |   |
| 2. Name of Operator<br>MEWBOURNE OIL CO  |   | 9. OGRID Number<br>14744   |   |          |  |           |          |              |       |         |          |         |           |           |           |           |           |           |          |      |            |      |        |      |     |   |     |     |      |   |   |      |   |   |          |      |            |       |       |    |     |   |     |     |      |   |   |      |   |   |          |      |            |      |   |    |        |   |      |     |      |   |   |      |   |   |          |        |            |       |     |      |      |      |       |     |      |   |   |      |   |   |
| 3. Address of Operator<br>P.O. Box 5270, Hobbs, NM 88241   |   | 10. Pool name or Wildcat   |   |          |  |           |          |              |       |         |          |         |           |           |           |           |           |           |          |      |            |      |        |      |     |   |     |     |      |   |   |      |   |   |          |      |            |       |       |    |     |   |     |     |      |   |   |      |   |   |          |      |            |      |   |    |        |   |      |     |      |   |   |      |   |   |          |        |            |       |     |      |      |      |       |     |      |   |   |      |   |   |
| 4. Well Location<br>Unit Letter <u>E</u> : <u>2060</u> feet from the <u>N</u> line and feet <u>210</u> from the <u>W</u> line<br>Section <u>2</u> Township <u>19S</u> Range <u>28E</u> NMPM County <u>Eddy</u>   |   |  |   |          |  |           |          |              |       |         |          |         |           |           |           |           |           |           |          |      |            |      |        |      |     |   |     |     |      |   |   |      |   |   |          |      |            |       |       |    |     |   |     |     |      |   |   |      |   |   |          |      |            |      |   |    |        |   |      |     |      |   |   |      |   |   |          |        |            |       |     |      |      |      |       |     |      |   |   |      |   |   |
| 11. Elevation (Show whether DR, KB, BT, GR, etc.)<br>3476 GR   |   |  |   |          |  |           |          |              |       |         |          |         |           |           |           |           |           |           |          |      |            |      |        |      |     |   |     |     |      |   |   |      |   |   |          |      |            |       |       |    |     |   |     |     |      |   |   |      |   |   |          |      |            |      |   |    |        |   |      |     |      |   |   |      |   |   |          |        |            |       |     |      |      |      |       |     |      |   |   |      |   |   |
| Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/><br>Pit Type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____<br>Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____  |   |  |   |          |  |           |          |              |       |         |          |         |           |           |           |           |           |           |          |      |            |      |        |      |     |   |     |     |      |   |   |      |   |   |          |      |            |       |       |    |     |   |     |     |      |   |   |      |   |   |          |      |            |      |   |    |        |   |      |     |      |   |   |      |   |   |          |        |            |       |     |      |      |      |       |     |      |   |   |      |   |   |
| 12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data<br><table style="width:100%;"> <tr> <td colspan="2">           NOTICE OF INTENTION TO:<br/>           PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/><br/>           TEMPORARILY ABANDON <input type="checkbox"/> CHANGE OF PLANS <input type="checkbox"/><br/>           PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/><br/>           Other: _____         </td> <td>           SUBSEQUENT REPORT OF:<br/>           REMEDIAL WORK <input type="checkbox"/> ALTER CASING <input type="checkbox"/><br/>           COMMENCE DRILLING OPNS. <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/><br/>           CASING/CEMENT JOB <input type="checkbox"/><br/>           Other: <u>Drilling/Cement</u> <input checked="" type="checkbox"/> </td> </tr> </table>   |   |  | NOTICE OF INTENTION TO:<br>PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/><br>TEMPORARILY ABANDON <input type="checkbox"/> CHANGE OF PLANS <input type="checkbox"/><br>PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/><br>Other: _____ |          | SUBSEQUENT REPORT OF:<br>REMEDIAL WORK <input type="checkbox"/> ALTER CASING <input type="checkbox"/><br>COMMENCE DRILLING OPNS. <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/><br>CASING/CEMENT JOB <input type="checkbox"/><br>Other: <u>Drilling/Cement</u> <input checked="" type="checkbox"/> |           |          |              |       |         |          |         |           |           |           |           |           |           |          |      |            |      |        |      |     |   |     |     |      |   |   |      |   |   |          |      |            |       |       |    |     |   |     |     |      |   |   |      |   |   |          |      |            |      |   |    |        |   |      |     |      |   |   |      |   |   |          |        |            |       |     |      |      |      |       |     |      |   |   |      |   |   |
| NOTICE OF INTENTION TO:<br>PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/><br>TEMPORARILY ABANDON <input type="checkbox"/> CHANGE OF PLANS <input type="checkbox"/><br>PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/><br>Other: _____  |   | SUBSEQUENT REPORT OF:<br>REMEDIAL WORK <input type="checkbox"/> ALTER CASING <input type="checkbox"/><br>COMMENCE DRILLING OPNS. <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/><br>CASING/CEMENT JOB <input type="checkbox"/><br>Other: <u>Drilling/Cement</u> <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 1103. For Multiple Completions:<br>Attach wellbore diagram of proposed completion or recompletion.<br>See attachment<br>See Attached<br><b>10/15/2023</b> Spudded well.   |   |  |   |          |  |           |          |              |       |         |          |         |           |           |           |           |           |           |          |      |            |      |        |      |     |   |     |     |      |   |   |      |   |   |          |      |            |       |       |    |     |   |     |     |      |   |   |      |   |   |          |      |            |      |   |    |        |   |      |     |      |   |   |      |   |   |          |        |            |       |     |      |      |      |       |     |      |   |   |      |   |   |
| <b>Casing and Cement Program</b><br><table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Date</th> <th>String</th> <th>Fluid Type</th> <th>Hole Size</th> <th>Csg Size</th> <th>Weight lb/ft</th> <th>Grade</th> <th>Est TOC</th> <th>Dpth Set</th> <th>Sacks</th> <th>Yield</th> <th>Class</th> <th>1" Dpth</th> <th>Pres Held</th> <th>Pres Drop</th> <th>Open Hole</th> </tr> </thead> <tbody> <tr> <td>10/15/23</td> <td>Surf</td> <td>FreshWater</td> <td>17.5</td> <td>13.375</td> <td>54.5</td> <td>j55</td> <td>0</td> <td>320</td> <td>375</td> <td>1.33</td> <td>C</td> <td>0</td> <td>1500</td> <td>0</td> <td>Y</td> </tr> <tr> <td>10/26/23</td> <td>Int1</td> <td>FreshWater</td> <td>12.25</td> <td>9.625</td> <td>36</td> <td>J55</td> <td>0</td> <td>935</td> <td>400</td> <td>2.11</td> <td>c</td> <td>0</td> <td>1500</td> <td>0</td> <td>Y</td> </tr> <tr> <td>11/11/23</td> <td>Prod</td> <td>FreshWater</td> <td>8.75</td> <td>7</td> <td>29</td> <td>hPP110</td> <td>0</td> <td>7857</td> <td>800</td> <td>3.39</td> <td>c</td> <td>0</td> <td>1500</td> <td>0</td> <td>Y</td> </tr> <tr> <td>11/25/23</td> <td>Liner1</td> <td>FreshWater</td> <td>6.125</td> <td>4.5</td> <td>13.5</td> <td>p110</td> <td>7648</td> <td>18475</td> <td>925</td> <td>1.49</td> <td>h</td> <td>0</td> <td>2500</td> <td>0</td> <td>Y</td> </tr> </tbody> </table> |   |  | Date  | String   | Fluid Type   | Hole Size | Csg Size | Weight lb/ft | Grade | Est TOC | Dpth Set | Sacks   | Yield     | Class     | 1" Dpth   | Pres Held | Pres Drop | Open Hole | 10/15/23 | Surf | FreshWater | 17.5 | 13.375 | 54.5 | j55 | 0 | 320 | 375 | 1.33 | C | 0 | 1500 | 0 | Y | 10/26/23 | Int1 | FreshWater | 12.25 | 9.625 | 36 | J55 | 0 | 935 | 400 | 2.11 | c | 0 | 1500 | 0 | Y | 11/11/23 | Prod | FreshWater | 8.75 | 7 | 29 | hPP110 | 0 | 7857 | 800 | 3.39 | c | 0 | 1500 | 0 | Y | 11/25/23 | Liner1 | FreshWater | 6.125 | 4.5 | 13.5 | p110 | 7648 | 18475 | 925 | 1.49 | h | 0 | 2500 | 0 | Y |
| Date   | String  | Fluid Type   | Hole Size   | Csg Size | Weight lb/ft   | Grade     | Est TOC  | Dpth Set     | Sacks | Yield   | Class    | 1" Dpth | Pres Held | Pres Drop | Open Hole |           |           |           |          |      |            |      |        |      |     |   |     |     |      |   |   |      |   |   |          |      |            |       |       |    |     |   |     |     |      |   |   |      |   |   |          |      |            |      |   |    |        |   |      |     |      |   |   |      |   |   |          |        |            |       |     |      |      |      |       |     |      |   |   |      |   |   |
| 10/15/23   | Surf  | FreshWater   | 17.5  | 13.375   | 54.5   | j55       | 0        | 320          | 375   | 1.33    | C        | 0       | 1500      | 0         | Y         |           |           |           |          |      |            |      |        |      |     |   |     |     |      |   |   |      |   |   |          |      |            |       |       |    |     |   |     |     |      |   |   |      |   |   |          |      |            |      |   |    |        |   |      |     |      |   |   |      |   |   |          |        |            |       |     |      |      |      |       |     |      |   |   |      |   |   |
| 10/26/23   | Int1  | FreshWater   | 12.25   | 9.625    | 36   | J55       | 0        | 935          | 400   | 2.11    | c        | 0       | 1500      | 0         | Y         |           |           |           |          |      |            |      |        |      |     |   |     |     |      |   |   |      |   |   |          |      |            |       |       |    |     |   |     |     |      |   |   |      |   |   |          |      |            |      |   |    |        |   |      |     |      |   |   |      |   |   |          |        |            |       |     |      |      |      |       |     |      |   |   |      |   |   |
| 11/11/23   | Prod  | FreshWater   | 8.75  | 7        | 29   | hPP110    | 0        | 7857         | 800   | 3.39    | c        | 0       | 1500      | 0         | Y         |           |           |           |          |      |            |      |        |      |     |   |     |     |      |   |   |      |   |   |          |      |            |       |       |    |     |   |     |     |      |   |   |      |   |   |          |      |            |      |   |    |        |   |      |     |      |   |   |      |   |   |          |        |            |       |     |      |      |      |       |     |      |   |   |      |   |   |
| 11/25/23   | Liner1  | FreshWater   | 6.125   | 4.5      | 13.5   | p110      | 7648     | 18475        | 925   | 1.49    | h        | 0       | 2500      | 0         | Y         |           |           |           |          |      |            |      |        |      |     |   |     |     |      |   |   |      |   |   |          |      |            |       |       |    |     |   |     |     |      |   |   |      |   |   |          |      |            |      |   |    |        |   |      |     |      |   |   |      |   |   |          |        |            |       |     |      |      |      |       |     |      |   |   |      |   |   |
| I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOC guidelines <input type="checkbox"/> , a general permit <input type="checkbox"/> or an (attached) alternative OCD-approved plan <input type="checkbox"/> .   |   |  |   |          |  |           |          |              |       |         |          |         |           |           |           |           |           |           |          |      |            |      |        |      |     |   |     |     |      |   |   |      |   |   |          |      |            |       |       |    |     |   |     |     |      |   |   |      |   |   |          |      |            |      |   |    |        |   |      |     |      |   |   |      |   |   |          |        |            |       |     |      |      |      |       |     |      |   |   |      |   |   |
| SIGNATURE <u>Electronically Signed</u> TITLE <u>Vice President Operations</u>  |   | DATE <u>1/30/2024</u>  |   |          |  |           |          |              |       |         |          |         |           |           |           |           |           |           |          |      |            |      |        |      |     |   |     |     |      |   |   |      |   |   |          |      |            |       |       |    |     |   |     |     |      |   |   |      |   |   |          |      |            |      |   |    |        |   |      |     |      |   |   |      |   |   |          |        |            |       |     |      |      |      |       |     |      |   |   |      |   |   |
| Type or print name <u>Monty Whetstone</u> E-mail address <u>fking@mewbourne.com</u>  |   | Telephone No. <u>903-561-2900</u>  |   |          |  |           |          |              |       |         |          |         |           |           |           |           |           |           |          |      |            |      |        |      |     |   |     |     |      |   |   |      |   |   |          |      |            |       |       |    |     |   |     |     |      |   |   |      |   |   |          |      |            |      |   |    |        |   |      |     |      |   |   |      |   |   |          |        |            |       |     |      |      |      |       |     |      |   |   |      |   |   |
| <b>For State Use Only:</b>   |   |  |   |          |  |           |          |              |       |         |          |         |           |           |           |           |           |           |          |      |            |      |        |      |     |   |     |     |      |   |   |      |   |   |          |      |            |       |       |    |     |   |     |     |      |   |   |      |   |   |          |      |            |      |   |    |        |   |      |     |      |   |   |      |   |   |          |        |            |       |     |      |      |      |       |     |      |   |   |      |   |   |
| APPROVED BY: <u>Keith Dziokonski</u> TITLE <u>Petroleum Specialist A</u>   |   | DATE <u>10/3/2025 9:53:55 AM</u>   |   |          |  |           |          |              |       |         |          |         |           |           |           |           |           |           |          |      |            |      |        |      |     |   |     |     |      |   |   |      |   |   |          |      |            |       |       |    |     |   |     |     |      |   |   |      |   |   |          |      |            |      |   |    |        |   |      |     |      |   |   |      |   |   |          |        |            |       |     |      |      |      |       |     |      |   |   |      |   |   |

Spud 17 1/2" hole. Ran 320' of 13 3/8" 54.5# J55 ST&C csg. Cmt w/375 sks Class C Neat (yd @ 1.33 cuft/sk @ 14.8 ppg). Displaced w/40 bbls of FW. Plug down @ 8:45 A.M. 10/16/23. Circ 170 sks of cmt to the pit. (Notified Gilbert Cordero w/NMOCD but did not witness.) Rig released 10/16/2023 @ 6:00 AM. At 11:00 A.M. 10/26/23, tested csg to 1500# for 30 mins, held OK. FIT to 10.5 PPG EMW.

TD'ed 12 1/4" hole. Ran 935' of 9 5/8" 36# J55 LT&C Csg. Cmt w/200 sks Class C w/2% Extender, 1% CaCl<sub>2</sub> & 0.25#/sk Poly Flake (yd @ 2.11 cuft/sk @ 12.5 PPG). Tail w/200 sks Class C Neat (yd @ 1.33 cuft/sk @ 14.8 PPG). Displaced w/66 bbls of FW. Plug down @ 5:30 A.M. 10/27/23. Circ 186 sks of cmt to the pit. (Notified Gilberto Cordera w/NMOCD but did not witness.) At 1:30 P.M. 10/27/23, tested csg to 1500# for 30 mins, held OK. FIT to 10.5 PPG EMW.

TD'ed 8 3/4" hole. Ran 7857' of 7" 29# HPP110 BT&C Csg. Cmt w/400 sks Class C w/11#/sk Silica, 0.4% Suspension Agent, 0.4% Retarder, 18% Beads & 0.35#/sk Poly Flake (yd @ 3.39 cuft/sk @ 10 PPG). Tail w/400 sks Class H w/0.26% Retarder (yd @ 1.18 cuft/sk @ 15.6 PPG). Displaced w/288 bbls of BW. Plug down @ 10:00 A.M. 10/31/23. Circ 179 sks of cmt to the pit. (Notified Gilbert Cordero w/NMOCD but did not witness.) At 9:30 P.M. 11/12/23, tested csg to 1500# for 30 mins, held OK. FIT to 10.0 PPG EMW.

TD'ed 6 1/8" hole. Ran 4 1/2" 13.5# HCP110 BT&C of 7648'-18475'. Cmt w/925 sks Class H w/37#/sk Poz, 3% Gel, 3% Gypsum, 0.35% Fluid Loss, 0.3% Suspension Agent & 0.2% Retarder (1.49 ft<sup>3</sup>/sk @ 13.5 ppg). Pump 5 bbls of sugar FW. Drop dart. Displaced w/20 bbls sugar FW & 220 bbls of sugar BW (calculated volume). Lift pressure 2000# @ 3 BPM. Plug down @ 6:00 A.M. 11/27/23. Bumped plug w/3000#. Set packer w/100k#. Sting out of hanger w/1500# on DP. Displaced 7" csg w/280 bbls of BW w/polymer sweep. Circ 188 sks of cmt off liner top. At 7:00 A.M. 11/27/23, tested liner to 2500# for 30 mins, held OK. (Notified Gilbert Cordero w/NMOCD but did not witness.) Rig released to walk @ 5:00 P.M. 11/27/23.

Rio Grande 2/1 State Com #613H

30-015-49895

Spud: 10/15/2023

TD: 11/25/2023

RR: 11/27/2023

Date submitted: 01/30/2024

*Ruby Ojeda*