

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

State of New Mexico  
Energy, Minerals & Natural Resources

Form C-104  
Revised August 1, 2011

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>Enduring Resources IV LLC.<br>200 Energy Court<br>Farmington NM 87401 |                                                    | <sup>2</sup> OGRID Number<br>372286                       |                                   |
|                                                                                                                 |                                                    | <sup>3</sup> Reason for Filing Code/ Effective Date<br>RT |                                   |
| <sup>4</sup> API Number<br>30-045-35814                                                                         | <sup>5</sup> Pool Name<br>LYBROOK MANCOS W         |                                                           | <sup>6</sup> Pool Code<br>98157   |
| <sup>7</sup> Property Code<br>332891                                                                            | <sup>8</sup> Property Name<br>GREATER LYBROOK UNIT |                                                           | <sup>9</sup> Well Number<br>#830H |

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

|                    |               |                 |             |         |                        |                           |                        |                        |                    |
|--------------------|---------------|-----------------|-------------|---------|------------------------|---------------------------|------------------------|------------------------|--------------------|
| UL or lot no.<br>C | Section<br>27 | Township<br>23N | Range<br>9W | Lot Idn | Feet from the<br>1161' | North/South Line<br>North | Feet from the<br>2446' | East/West line<br>West | County<br>San Juan |
|--------------------|---------------|-----------------|-------------|---------|------------------------|---------------------------|------------------------|------------------------|--------------------|

<sup>11</sup> Bottom Hole Location

|                             |                                        |                 |                                                  |         |                                   |                           |                                    |                        |                                     |
|-----------------------------|----------------------------------------|-----------------|--------------------------------------------------|---------|-----------------------------------|---------------------------|------------------------------------|------------------------|-------------------------------------|
| UL or lot no.<br>C          | Section<br>21                          | Township<br>23N | Range<br>9W                                      | Lot Idn | Feet from the<br>166'             | North/South line<br>North | Feet from the<br>2507'             | East/West line<br>West | County<br>San Juan                  |
| <sup>12</sup> Lse Code<br>F | <sup>13</sup> Producing Method<br>Code |                 | <sup>14</sup> Gas Connection<br>Date<br>8/4/2022 |         | <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 |
| 248440                             | WESTERN REFINING COMPANY, LLC                 | O                   |
| 373888                             | HARVEST FOUR CORNERS. LLC                     | G                   |

IV. Well Completion Data

|                                     |                                      |                                              |                                                |                                                                         |                                  |                            |
|-------------------------------------|--------------------------------------|----------------------------------------------|------------------------------------------------|-------------------------------------------------------------------------|----------------------------------|----------------------------|
| <sup>21</sup> Spud Date<br>2/7/2022 | <sup>22</sup> Ready Date<br>8/4/2022 | <sup>23</sup> TD<br>12742.8' MD<br>4167' TVD | <sup>24</sup> PBDT<br>12636.6' MD<br>4170' TVD | <sup>25</sup> Perforations<br>~ 4490' - 12632' MD<br>~ 4075' -4172' TVD | <sup>26</sup> DHC, MC<br>R-14051 |                            |
| <sup>27</sup> Hole Size             |                                      | <sup>28</sup> Casing & Tubing Size           |                                                | <sup>29</sup> Depth Set                                                 |                                  | <sup>30</sup> Sacks Cement |
| 17-1/2"                             |                                      | 13-3/8",54.5#, J-55                          |                                                | 360.87' MD                                                              |                                  | 350 sx - surface           |
| 12-1/4"                             |                                      | 9-5/8",36#, J-55                             |                                                | 2532' MD                                                                |                                  | 604 sx- surface            |
| 8-1/2"                              |                                      | 5-1/2",17#, P-110                            |                                                | 12742.8' MD                                                             |                                  | 1938 sx- surface           |
| 8-1/2"                              |                                      | 2-7/8",6.5#, L-80                            |                                                | 4340'                                                                   |                                  | NA                         |

V. Well Test Data

|                                        |                                             |                                     |                                    |                                    |                                     |
|----------------------------------------|---------------------------------------------|-------------------------------------|------------------------------------|------------------------------------|-------------------------------------|
| <sup>31</sup> Date New Oil<br>8/8/2022 | <sup>32</sup> Gas Delivery Date<br>8/4/2022 | <sup>33</sup> Test Date<br>8/4/2022 | <sup>34</sup> Test Length<br>24 hr | <sup>35</sup> Tbg. Pressure<br>269 | <sup>36</sup> Csg. Pressure<br>1122 |
| <sup>37</sup> Choke Size<br>64/64      | <sup>38</sup> Oil<br>79                     | <sup>39</sup> Water<br>201          | <sup>40</sup> Gas<br>520           |                                    | <sup>41</sup> Test Method<br>F      |

|                                                                                                                                                                                                                                                                                                                                                                                                    |                        |                                       |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------------------|--|
| <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><br>Signature: <i>Kayla White</i><br><br>Printed name:<br>Kayla White<br><br>Title:<br>Environmental Engineer<br><br>E-mail Address:<br>kwhite@cdhconsult.com<br><br>Date:<br>9/2/2022 | Phone:<br>720-768-3575 | OIL CONSERVATION DIVISION             |  |
|                                                                                                                                                                                                                                                                                                                                                                                                    |                        | Approved by: <i>PATRICIA MARTINEZ</i> |  |
|                                                                                                                                                                                                                                                                                                                                                                                                    |                        | Title: <i>PETROLEUM SPECIALIST</i>    |  |
|                                                                                                                                                                                                                                                                                                                                                                                                    |                        | Approval Date: <i>10/25/2023</i>      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                    |                        |                                       |  |



*ENDURING RESOURCES IV LLC*

May 19, 2022

Re: W LYBROOK UNIT 830H-30-045-35814

Pursuant to NMOCD rule 19.15.7.16(C) request is herein made to keep all data and accompanying attachments contained in form C-105 confidential.

Sincerely,

A handwritten signature in blue ink, appearing to read "Heather Huntington".

Heather Huntington  
Permitting Technician  
Enduring Resources, LLC.  
[hhuntington@enduringresources.com](mailto:hhuntington@enduringresources.com)

District I  
811 S. First Street, Artesia, NM 88210  
Phone: (575) 393-6161 Fax: (575) 393-0720

District II  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170

District III  
1220 S. St. Francis Drive, Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

Submit one copy to  
Appropriate District Office

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

☐ AMENDED REPORT

**AS-DRILLED WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                                                |                                                              |                                                   |
|------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------|
| <sup>1</sup> API Number<br><b>30-045-35814</b> | <sup>2</sup> Pool Code<br><b>98157</b>                       | <sup>3</sup> Pool Name<br><b>LYBROOK MANCOS W</b> |
| <sup>4</sup> Property Code<br><b>332891</b>    | <sup>5</sup> Property Name<br><b>GREATER LYBROOK UNIT</b>    | <sup>6</sup> Well Number<br><b>830H</b>           |
| <sup>7</sup> GRID No.<br><b>372286</b>         | <sup>8</sup> Operator Name<br><b>ENDURING RESOURCES, LLC</b> | <sup>9</sup> Elevation<br><b>6641'</b>            |

<sup>10</sup> Surface Location

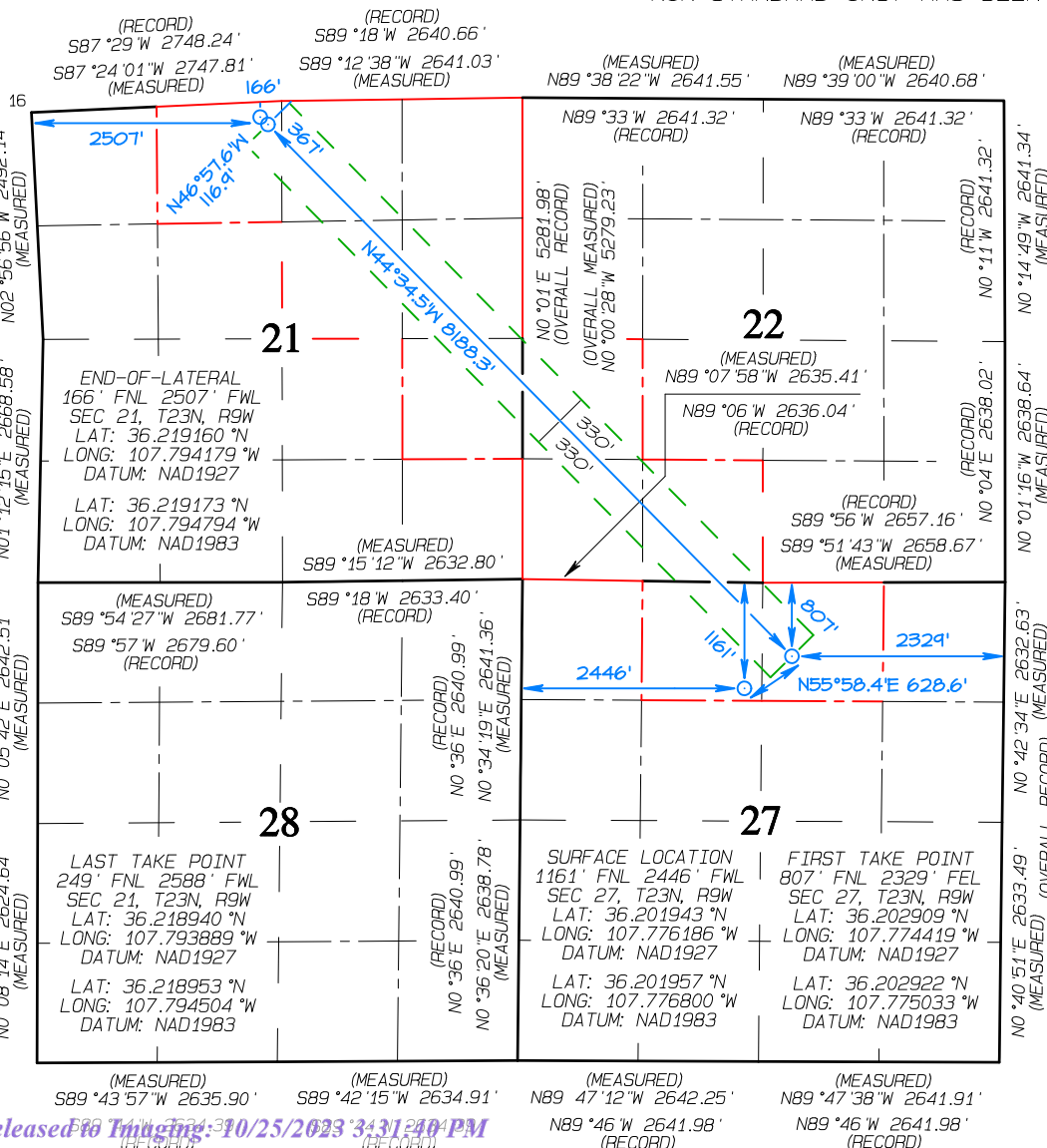
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County   |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| C             | 27      | 23N      | 9W    |         | 1161          | NORTH            | 2446          | WEST           | SAN JUAN |

<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   |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| C             | 21      | 23N      | 9W    |         | 166           | NORTH            | 2507          | WEST           | SAN JUAN |

|                                                                                                                    |                               |                                  |                                           |
|--------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------|-------------------------------------------|
| <sup>12</sup> Dedicated Acres<br><b>440.00</b>                                                                     | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No.<br><b>R-22081</b> |
| NE/4 NW/4, NE/4<br>NE/4 SE/4 - Section 21<br>W/2 SW/4, SE/4 SW/4 - Section 22<br>NE/4 NW/4, NW/4 NE/4 - Section 27 |                               |                                  |                                           |

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION  
UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A  
NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



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

Signature: Heather Huntington Date: 8/16/22  
Printed Name: Heather Huntington  
E-mail Address: hhuntington@enduringresources.com

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

Date Revised: MAY 4, 2022  
Date of Survey: MARCH 10, 2016

Signature and Seal of Professional Surveyor



**JASON C. EDWARDS**  
Certificate Number 15269

District I  
811 S. First Street, Artesia, NM 88210  
Phone: (575) 393-6161 Fax: (575) 393-0720

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**AS-DRILLED WELL LOCATION AND ACREAGE DEDICATION PLAT**

|                                                |                                                              |                                        |                                                   |
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| <sup>4</sup> Property Code<br><b>332891</b>    | <sup>5</sup> Property Name<br><b>GREATER LYBROOK UNIT</b>    |                                        | <sup>6</sup> Well Number<br><b>830H</b>           |
| <sup>7</sup> GRID No.<br><b>372286</b>         | <sup>8</sup> Operator Name<br><b>ENDURING RESOURCES, LLC</b> |                                        | <sup>9</sup> Elevation<br><b>6641'</b>            |

<sup>10</sup> Surface Location

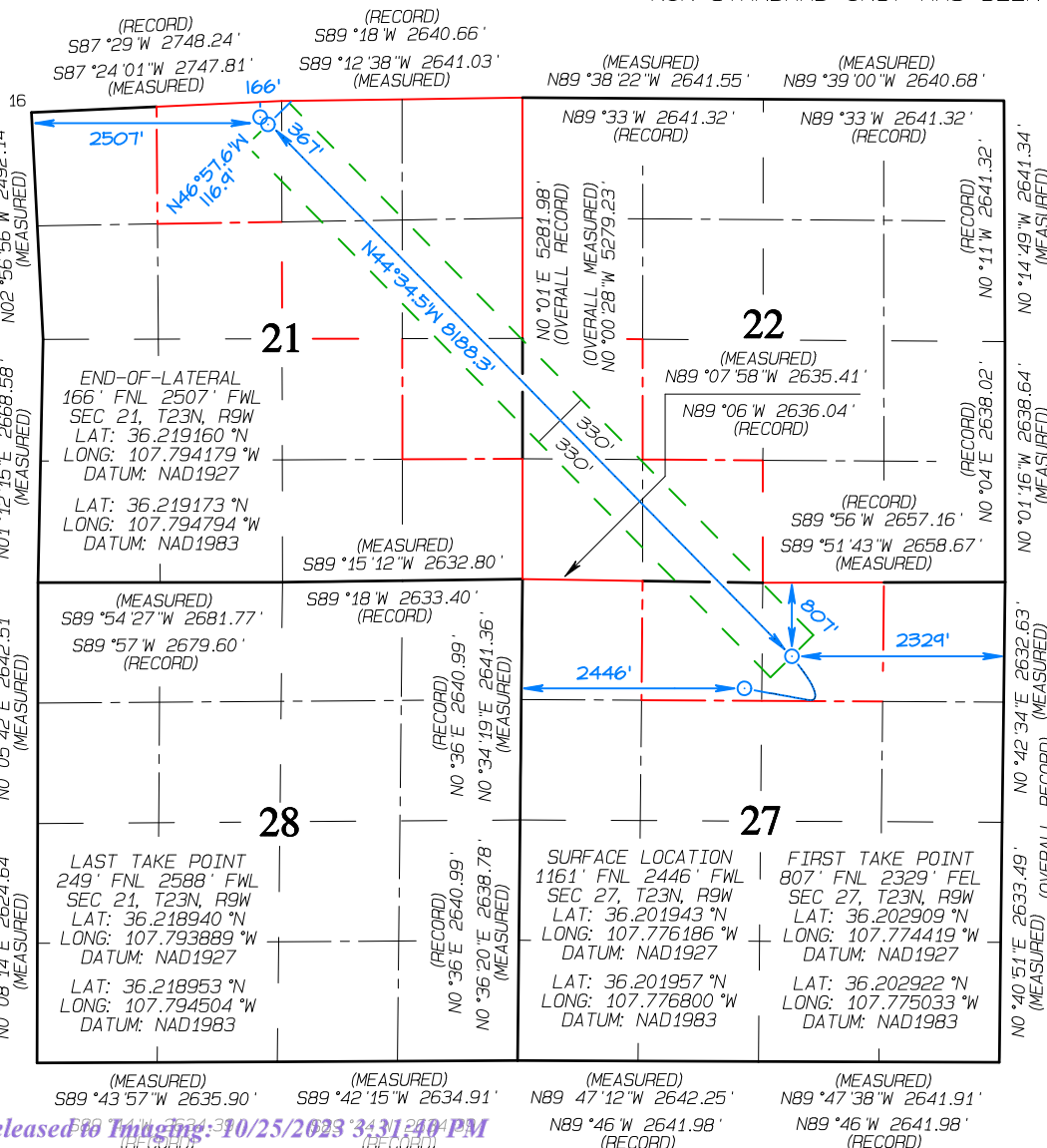
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|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
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|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| C             | 21      | 23N      | 9W    |         | 166           | NORTH            | 2507          | WEST           | SAN JUAN |

|                                                                                                                    |                               |                                  |                                           |
|--------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------|-------------------------------------------|
| <sup>12</sup> Dedicated Acres<br><b>440.00</b>                                                                     | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No.<br><b>R-22081</b> |
| NE/4 NW/4, NE/4<br>NE/4 SE/4 - Section 21<br>W/2 SW/4, SE/4 SW/4 - Section 22<br>NE/4 NW/4, NW/4 NE/4 - Section 27 |                               |                                  |                                           |

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*Heather Huntington* 8/16/22  
Signature Date

**Heather Huntington**  
Printed Name

hhuntington@enduringresources.com  
E-mail Address

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|                                                |                                                              |                                        |                                                   |
|------------------------------------------------|--------------------------------------------------------------|----------------------------------------|---------------------------------------------------|
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| <sup>7</sup> GRID No.<br><b>372286</b>         | <sup>8</sup> Operator Name<br><b>ENDURING RESOURCES, LLC</b> |                                        | <sup>9</sup> Elevation<br><b>6641'</b>            |

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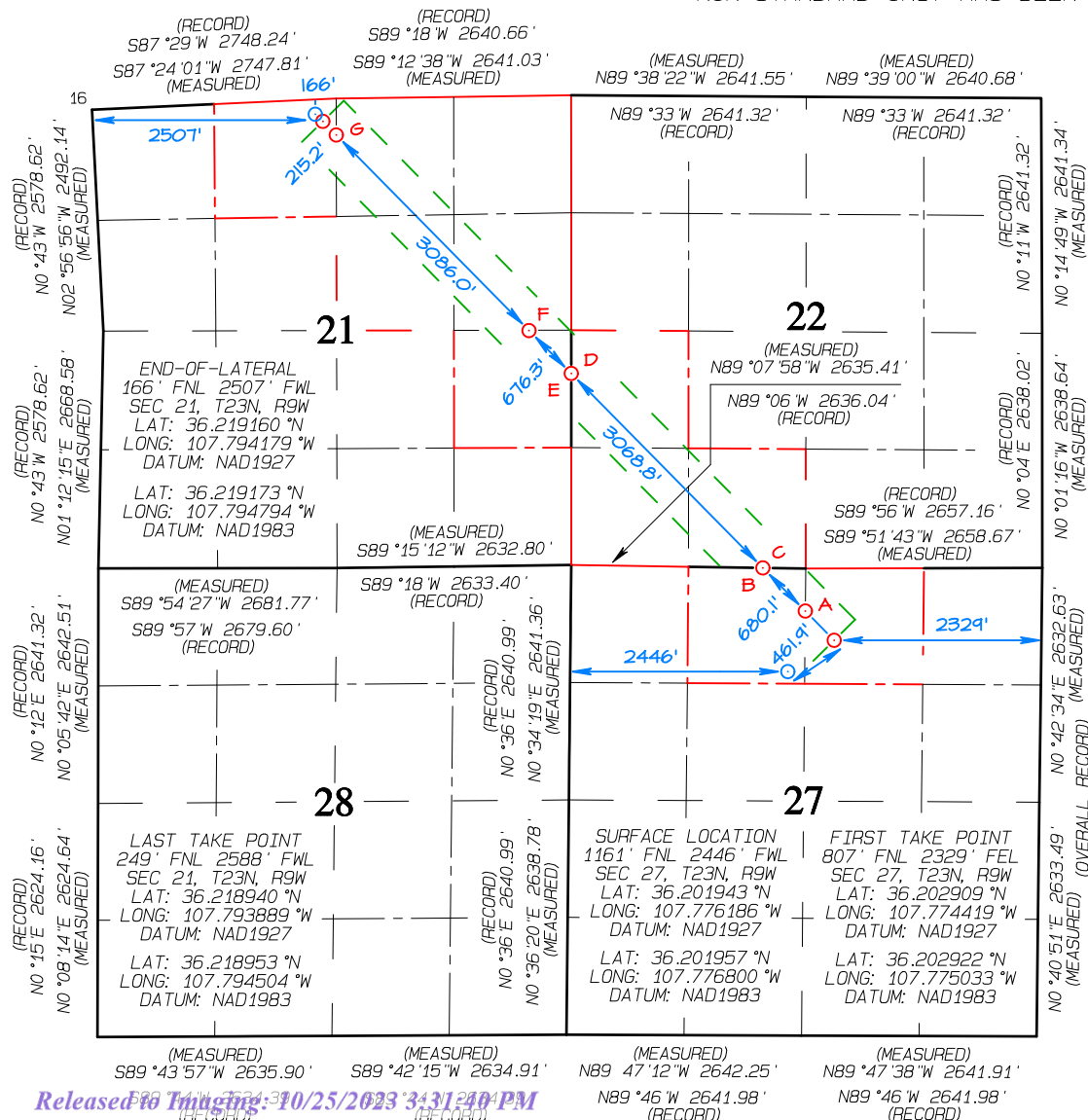
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|                                                                                                                    |                               |                                  |                                           |
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Signature: Heather Huntington Date: 8/16/22  
Printed Name: Heather Huntington  
E-mail Address: hhuntington@enduringresources.com

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Date Revised: MAY 4, 2022  
Date of Survey: MARCH 10, 2016

Signature and Seal of Professional Surveyor



**JASON C. EDWARDS**  
Certificate Number 15269

(A) 477' FNL 2636' FWL  
SEC 27, T23N, R9W  
LAT: 36.203813 °N  
LONG: 107.775517 °W  
DATUM: NAD1927

LAT: 36.203827 °N  
LONG: 107.776131 °W  
DATUM: NAD1983

(B) 0' FNL 2154' FWL  
SEC 27, T23N, R9W  
LAT: 36.205145 °N  
LONG: 107.777134 °W  
DATUM: NAD1927

LAT: 36.205158 °N  
LONG: 107.777749 °W  
DATUM: NAD1983

(C) 0' FSL 2154' FWL  
SEC 22, T23N, R9W  
LAT: 36.205145 °N  
LONG: 107.777134 °W  
DATUM: NAD1927

LAT: 36.205158 °N  
LONG: 107.777749 °W  
DATUM: NAD1983

(D) 2153' FSL 0' FWL  
SEC 22, T23N, R9W  
LAT: 36.211153 °N  
LONG: 107.784431 °W  
DATUM: NAD1927

LAT: 36.211167 °N  
LONG: 107.785045 °W  
DATUM: NAD1983

(E) 2153' FSL 0' FEL  
SEC 21, T23N, R9W  
LAT: 36.211153 °N  
LONG: 107.784431 °W  
DATUM: NAD1927

LAT: 36.211167 °N  
LONG: 107.785045 °W  
DATUM: NAD1983

(F) 2641' FSL 475' FEL  
SEC 21, T23N, R9W  
LAT: 36.212478 °N  
LONG: 107.786039 °W  
DATUM: NAD1927

LAT: 36.212491 °N  
LONG: 107.786653 °W  
DATUM: NAD1983

(G) 409' FNL 2727' FWL  
SEC 21, T23N, R9W  
LAT: 36.218519 °N  
LONG: 107.793378 °W  
DATUM: NAD1927

LAT: 36.218532 °N  
LONG: 107.793993 °W  
DATUM: NAD1983



**Company:** Enduring Resources LLC  
**Well:** W Lybrook Unit No. 830H  
**Site:** W Lybrook 730 Pad (730, 763, 830, 861 & 863)  
**Project:** San Juan County, New Mexico NAD83 NM W  
**Design:** Surveys Original Hole  
**Rig:** Ensign 773

Geodetic System: US State Plane 1983  
 Datum: North American Datum 1983  
 Ellipsoid: GRS 1980  
 Zone: New Mexico Western Zone  
 System Datum: Mean Sea Level  
 Depth Reference: RKB=6641+28 @ 6669.00ft (Ensign 773)

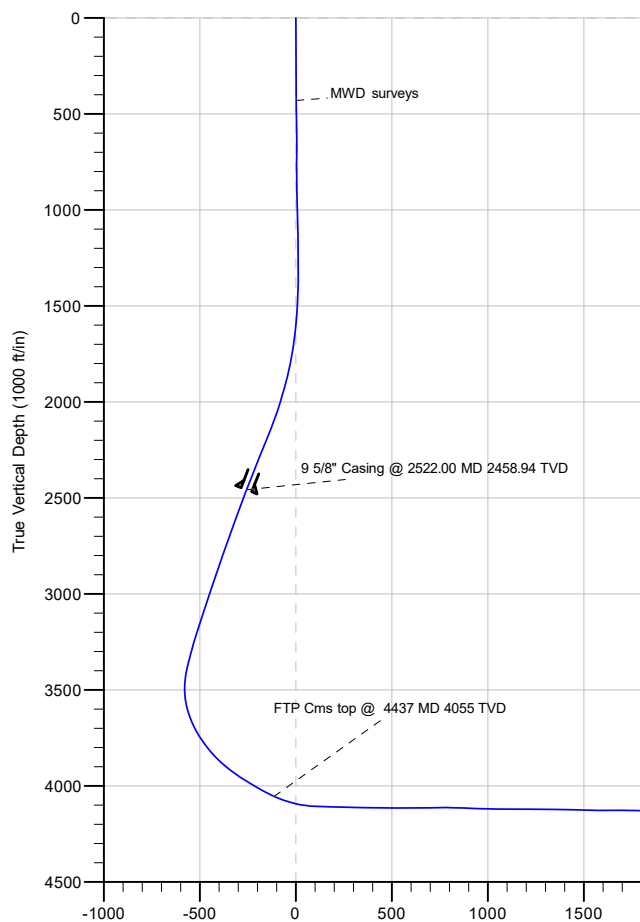
Northing 1892814.692 Easting 2739770.775 Latitude 36.201957000 Longitude -107.776800000

Total Corr (M=>G): To convert a Magnetic Direction to a Grid Direction, Add 8.71°



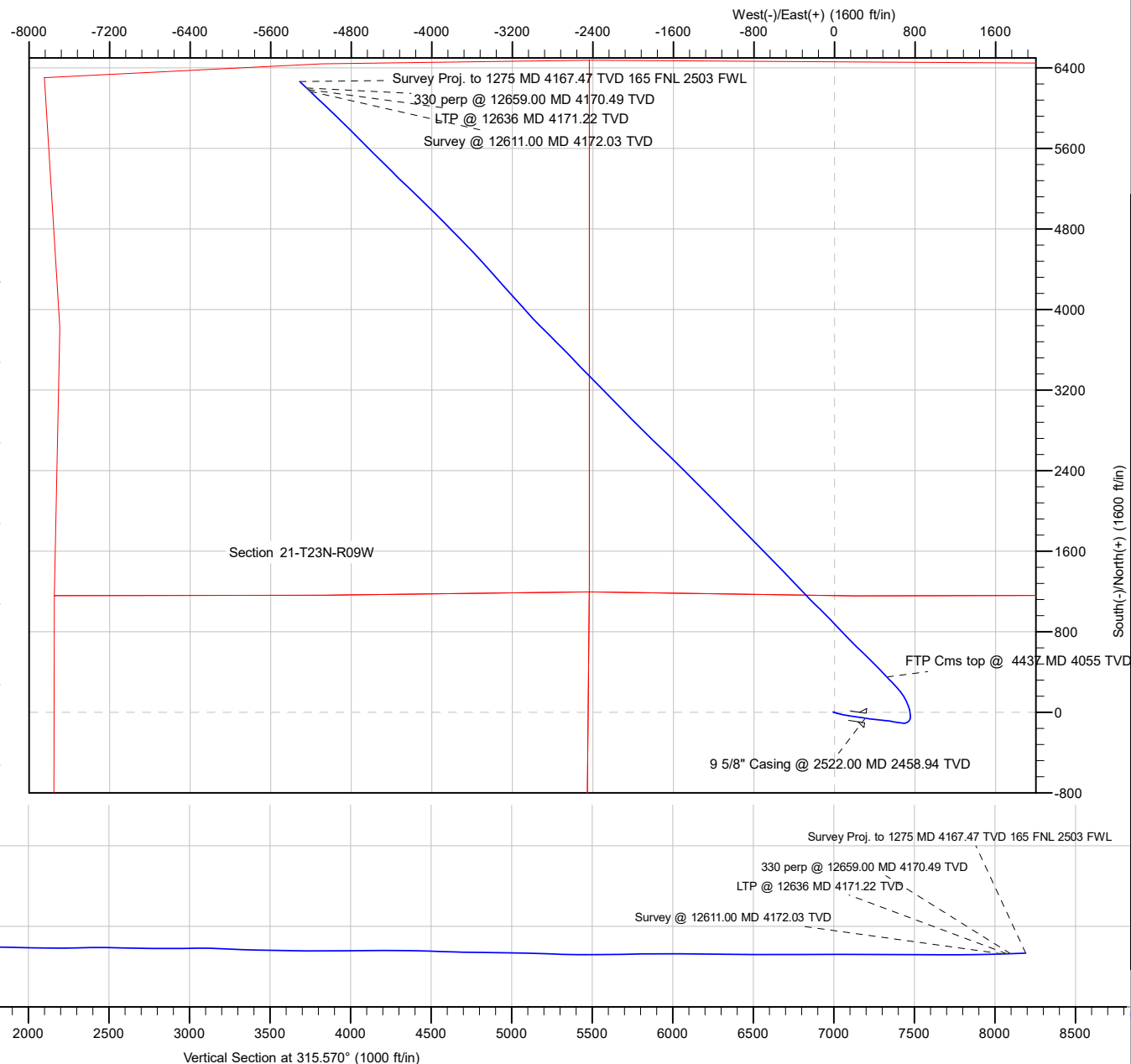
Azimuths to Grid North  
 True North: -0.03°  
 Magnetic North: 8.71°

Magnetic Field  
 Strength: 49225.9nT  
 Dip Angle: 62.72°  
 Date: 2/1/2022  
 Model: IGRF2020



# ANNOTATIONS SURVEYS

| MD       | Inc   | Azi     | TVD     | +N/-S   | +E/-W    | V/Sect  | Annotation                                           |
|----------|-------|---------|---------|---------|----------|---------|------------------------------------------------------|
| 431.00   | 0.70  | 308.180 | 430.99  | 1.63    | -2.07    | 2.61    | MWD surveys                                          |
| 2522.00  | 25.88 | 98.514  | 2458.94 | -57.19  | 307.46   | -256.07 | 9 5/8" Casing @ 2522.00 MD 2458.94 TVD               |
| 4437.00  | 65.97 | 316.338 | 4055.00 | 351.64  | 521.01   | -113.62 | FTP Cms top @ 4437 MD 4055 TVD                       |
| 12611.00 | 91.84 | 313.040 | 4172.03 | 6167.40 | -5207.54 | 8049.66 | Survey @ 12611.00 MD 4172.03 TVD                     |
| 12636.00 | 91.84 | 313.040 | 4171.22 | 6184.46 | -5225.80 | 8074.62 | LTP @ 12636 MD 4171.22 TVD                           |
| 12659.00 | 91.84 | 313.040 | 4170.49 | 6200.15 | -5242.61 | 8097.58 | 330 perp @ 12659.00 MD 4170.49 TVD                   |
| 12753.00 | 91.84 | 313.040 | 4167.47 | 6264.27 | -5311.27 | 8191.44 | Survey Proj. to 1275 MD 4167.47 TVD 165 FNL 2503 FWL |





## Survey Report



|                  |                                              |                                     |                                      |
|------------------|----------------------------------------------|-------------------------------------|--------------------------------------|
| <b>Company:</b>  | Enduring Resources LLC                       | <b>Local Co-ordinate Reference:</b> | Well W Lybrook Unit No. 830H         |
| <b>Project:</b>  | San Juan County, New Mexico NAD83 NM W       | <b>TVD Reference:</b>               | RKB=6641+28 @ 6669.00ft (Ensgin 773) |
| <b>Site:</b>     | W Lybrook 730 Pad (730, 763, 830, 861 & 863) | <b>MD Reference:</b>                | RKB=6641+28 @ 6669.00ft (Ensgin 773) |
| <b>Well:</b>     | W Lybrook Unit No. 830H                      | <b>North Reference:</b>             | Grid                                 |
| <b>Wellbore:</b> | Original Hole                                | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Design:</b>   | Surveys Original Hole                        | <b>Database:</b>                    | DB_Feb2822                           |

|                    |                                        |                      |                |
|--------------------|----------------------------------------|----------------------|----------------|
| <b>Project</b>     | San Juan County, New Mexico NAD83 NM W |                      |                |
| <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 Western Zone                |                      |                |

|                       |          |                                              |                    |            |                |
|-----------------------|----------|----------------------------------------------|--------------------|------------|----------------|
| Site                  |          | W Lybrook 730 Pad (730, 763, 830, 861 & 863) |                    |            |                |
| Site Position:        |          | Northing:                                    | 1,888,164.052 usft | Latitude:  | 36.189179000   |
| From:                 | Lat/Long | Easting:                                     | 2,741,098.391 usft | Longitude: | -107.772310000 |
| Position Uncertainty: | 0.00 ft  | Slot Radius:                                 | 13-3/16 "          |            |                |

|                      |                                                                           |         |                     |                    |               |                |
|----------------------|---------------------------------------------------------------------------|---------|---------------------|--------------------|---------------|----------------|
| Well                 | W Lybrook Unit No. 830H, Surf loc: 1161 FNL 2446 FWL Section 27-T23N-R09W |         |                     |                    |               |                |
| Well Position        | +N/-S                                                                     | 0.00 ft | Northing:           | 1,892,814.692 usft | Latitude:     | 36.201957000   |
|                      | +E/-W                                                                     | 0.00 ft | Easting:            | 2,739,770.775 usft | Longitude:    | -107.776800000 |
| Position Uncertainty |                                                                           | 0.00 ft | Wellhead Elevation: | ft                 | Ground Level: | 6,641.00 ft    |
| Grid Convergence:    |                                                                           | 0.03 °  |                     |                    |               |                |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Original Hole     |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2020          | 2/1/2022           | 8.75                   | 62.72                | 49,225.89828877            |

|                          |                              |                   |                   |                      |      |
|--------------------------|------------------------------|-------------------|-------------------|----------------------|------|
| <b>Design</b>            | Surveys Original Hole        |                   |                   |                      |      |
| <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) (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b> | <b>Direction (°)</b> |      |
|                          | 0.00                         | 0.00              | 0.00              | 315.570              |      |

|                       |                |                            |                  |                     |  |
|-----------------------|----------------|----------------------------|------------------|---------------------|--|
| <b>Survey Program</b> | <b>Date</b>    | 4/4/2022                   |                  |                     |  |
| <b>From (ft)</b>      | <b>To (ft)</b> | <b>Survey (Wellbore)</b>   | <b>Tool Name</b> | <b>Description</b>  |  |
| 431.00                | 2,453.00       | MWD surf (Original Hole)   | MWD              | OWSG MWD - Standard |  |
| 2,554.00              | 12,611.00      | MWD (Original Hole)        | MWD              | OWSG MWD - Standard |  |
| 12,753.00             | 12,753.00      | Projection (Original Hole) | MWD              | OWSG MWD - Standard |  |

|                            |                        |                    |                            |                   |                   |                              |                              |                             |                            |  |
|----------------------------|------------------------|--------------------|----------------------------|-------------------|-------------------|------------------------------|------------------------------|-----------------------------|----------------------------|--|
| <b>Survey</b>              |                        |                    |                            |                   |                   |                              |                              |                             |                            |  |
| <b>Measured Depth (ft)</b> | <b>Inclination (°)</b> | <b>Azimuth (°)</b> | <b>Vertical Depth (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b> | <b>Vertical Section (ft)</b> | <b>Dogleg Rate (°/100ft)</b> | <b>Build Rate (°/100ft)</b> | <b>Turn Rate (°/100ft)</b> |  |
| 0.00                       | 0.00                   | 0.000              | 0.00                       | 0.00              | 0.00              | 0.00                         | 0.00                         | 0.00                        | 0.00                       |  |
| 431.00                     | 0.70                   | 308.180            | 430.99                     | 1.63              | -2.07             | 2.61                         | 0.16                         | 0.16                        | 0.00                       |  |
| <b>MWD surveys</b>         |                        |                    |                            |                   |                   |                              |                              |                             |                            |  |
| 493.00                     | 0.62                   | 300.010            | 492.99                     | 2.03              | -2.66             | 3.31                         | 0.20                         | -0.13                       | -13.18                     |  |
| 584.00                     | 0.92                   | 296.490            | 583.98                     | 2.60              | -3.74             | 4.47                         | 0.33                         | 0.33                        | -3.87                      |  |
| 675.00                     | 0.31                   | 290.170            | 674.97                     | 3.01              | -4.62             | 5.39                         | 0.67                         | -0.67                       | -6.95                      |  |
| 766.00                     | 0.48                   | 260.550            | 765.97                     | 3.03              | -5.23             | 5.83                         | 0.29                         | 0.19                        | -32.55                     |  |
| 857.00                     | 0.88                   | 278.390            | 856.96                     | 3.07              | -6.30             | 6.60                         | 0.49                         | 0.44                        | 19.60                      |  |



## Survey Report



|                  |                                              |                                     |                                      |
|------------------|----------------------------------------------|-------------------------------------|--------------------------------------|
| <b>Company:</b>  | Enduring Resources LLC                       | <b>Local Co-ordinate Reference:</b> | Well W Lybrook Unit No. 830H         |
| <b>Project:</b>  | San Juan County, New Mexico NAD83 NM W       | <b>TVD Reference:</b>               | RKB=6641+28 @ 6669.00ft (Ensgin 773) |
| <b>Site:</b>     | W Lybrook 730 Pad (730, 763, 830, 861 & 863) | <b>MD Reference:</b>                | RKB=6641+28 @ 6669.00ft (Ensgin 773) |
| <b>Well:</b>     | W Lybrook Unit No. 830H                      | <b>North Reference:</b>             | Grid                                 |
| <b>Wellbore:</b> | Original Hole                                | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Design:</b>   | Surveys Original Hole                        | <b>Database:</b>                    | DB_Feb2822                           |

| Survey                                 |                 |             |                     |            |            |                       |                       |                      |                     |
|----------------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft)                    | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 948.00                                 | 1.19            | 275.140     | 947.95              | 3.26       | -7.93      | 7.88                  | 0.35                  | 0.34                 | -3.57               |
| 1,039.00                               | 1.14            | 283.310     | 1,038.93            | 3.55       | -9.75      | 9.36                  | 0.19                  | -0.05                | 8.98                |
| 1,132.00                               | 0.97            | 287.440     | 1,131.91            | 4.00       | -11.40     | 10.84                 | 0.20                  | -0.18                | 4.44                |
| 1,226.00                               | 0.66            | 267.490     | 1,225.90            | 4.22       | -12.70     | 11.90                 | 0.44                  | -0.33                | -21.22              |
| 1,320.00                               | 0.48            | 303.090     | 1,319.90            | 4.41       | -13.57     | 12.65                 | 0.41                  | -0.19                | 37.87               |
| 1,414.00                               | 1.41            | 124.320     | 1,413.89            | 3.97       | -12.95     | 11.90                 | 2.01                  | 0.99                 | -190.18             |
| 1,508.00                               | 3.65            | 121.860     | 1,507.79            | 1.74       | -9.45      | 7.86                  | 2.39                  | 2.38                 | -2.62               |
| 1,603.00                               | 5.80            | 107.970     | 1,602.47            | -1.34      | -2.32      | 0.67                  | 2.55                  | 2.26                 | -14.62              |
| 1,697.00                               | 9.40            | 102.870     | 1,695.63            | -4.51      | 9.69       | -10.01                | 3.89                  | 3.83                 | -5.43               |
| 1,791.00                               | 13.40           | 105.510     | 1,787.76            | -9.14      | 27.68      | -25.90                | 4.29                  | 4.26                 | 2.81                |
| 1,886.00                               | 16.39           | 103.050     | 1,879.55            | -15.11     | 51.35      | -46.73                | 3.22                  | 3.15                 | -2.59               |
| 1,981.00                               | 19.25           | 101.820     | 1,969.99            | -21.35     | 79.74      | -71.06                | 3.04                  | 3.01                 | -1.29               |
| 2,075.00                               | 22.59           | 100.410     | 2,057.78            | -27.78     | 112.67     | -98.71                | 3.59                  | 3.55                 | -1.50               |
| 2,170.00                               | 26.41           | 98.210      | 2,144.21            | -34.10     | 151.54     | -130.44               | 4.13                  | 4.02                 | -2.32               |
| 2,264.00                               | 27.33           | 98.390      | 2,228.06            | -40.23     | 193.58     | -164.25               | 0.98                  | 0.98                 | 0.19                |
| 2,358.00                               | 26.59           | 98.480      | 2,311.85            | -46.49     | 235.74     | -198.22               | 0.79                  | -0.79                | 0.10                |
| 2,453.00                               | 26.19           | 98.480      | 2,396.95            | -52.71     | 277.50     | -231.90               | 0.42                  | -0.42                | 0.00                |
| 2,522.00                               | 25.88           | 98.514      | 2,458.94            | -57.19     | 307.46     | -256.07               | 0.45                  | -0.45                | 0.05                |
| 9 5/8" Casing @ 2522.00 MD 2458.94 TVD |                 |             |                     |            |            |                       |                       |                      |                     |
| 2,554.00                               | 25.74           | 98.530      | 2,487.75            | -59.25     | 321.23     | -267.19               | 0.45                  | -0.45                | 0.05                |
| 2,585.00                               | 25.61           | 97.790      | 2,515.69            | -61.16     | 334.53     | -277.86               | 1.12                  | -0.42                | -2.39               |
| 2,679.00                               | 25.17           | 97.120      | 2,600.61            | -66.39     | 374.49     | -309.57               | 0.56                  | -0.47                | -0.71               |
| 2,774.00                               | 24.74           | 96.740      | 2,686.74            | -71.23     | 414.28     | -340.88               | 0.48                  | -0.45                | -0.40               |
| 2,869.00                               | 24.19           | 96.630      | 2,773.21            | -75.81     | 453.36     | -371.50               | 0.58                  | -0.58                | -0.12               |
| 2,984.00                               | 23.60           | 95.900      | 2,878.35            | -80.89     | 499.66     | -407.55               | 0.57                  | -0.51                | -0.63               |
| 3,077.00                               | 22.97           | 95.340      | 2,963.78            | -84.50     | 536.24     | -435.73               | 0.72                  | -0.68                | -0.60               |
| 3,172.00                               | 23.23           | 101.240     | 3,051.17            | -89.87     | 573.08     | -465.36               | 2.45                  | 0.27                 | 6.21                |
| 3,267.00                               | 22.03           | 100.070     | 3,138.86            | -96.64     | 609.00     | -495.34               | 1.35                  | -1.26                | -1.23               |
| 3,360.00                               | 20.40           | 98.930      | 3,225.55            | -102.21    | 642.19     | -522.54               | 1.81                  | -1.75                | -1.23               |
| 3,423.00                               | 18.95           | 97.510      | 3,284.87            | -105.25    | 663.18     | -539.41               | 2.42                  | -2.30                | -2.25               |
| 3,454.00                               | 18.93           | 98.030      | 3,314.20            | -106.61    | 673.15     | -547.36               | 0.55                  | -0.06                | 1.68                |
| 3,486.00                               | 18.85           | 95.490      | 3,344.47            | -107.83    | 683.43     | -555.43               | 2.58                  | -0.25                | -7.94               |
| 3,517.00                               | 19.85           | 86.280      | 3,373.73            | -107.97    | 693.67     | -562.70               | 10.35                 | 3.23                 | -29.71              |
| 3,549.00                               | 21.61           | 76.470      | 3,403.66            | -106.23    | 704.83     | -569.27               | 12.15                 | 5.50                 | -30.66              |
| 3,580.00                               | 23.36           | 65.780      | 3,432.32            | -102.38    | 715.99     | -574.33               | 14.32                 | 5.65                 | -34.48              |
| 3,612.00                               | 23.32           | 55.380      | 3,461.71            | -96.17     | 726.99     | -577.60               | 12.86                 | -0.13                | -32.50              |
| 3,643.00                               | 21.10           | 46.300      | 3,490.42            | -88.83     | 736.08     | -578.72               | 13.17                 | -7.16                | -29.29              |
| 3,675.00                               | 19.78           | 36.590      | 3,520.41            | -80.50     | 743.47     | -577.94               | 11.36                 | -4.13                | -30.34              |
| 3,706.00                               | 20.38           | 25.260      | 3,549.54            | -71.40     | 748.91     | -575.25               | 12.68                 | 1.94                 | -36.55              |
| 3,737.00                               | 21.87           | 13.630      | 3,578.47            | -60.90     | 752.57     | -570.32               | 14.32                 | 4.81                 | -37.52              |
| 3,769.00                               | 23.54           | 4.070       | 3,608.00            | -48.73     | 754.43     | -562.93               | 12.64                 | 5.22                 | -29.88              |
| 3,800.00                               | 25.14           | 355.900     | 3,636.25            | -35.98     | 754.40     | -553.80               | 12.01                 | 5.16                 | -26.35              |
| 3,832.00                               | 28.54           | 354.450     | 3,664.80            | -21.59     | 753.17     | -542.67               | 10.82                 | 10.63                | -4.53               |
| 3,863.00                               | 31.99           | 352.940     | 3,691.57            | -6.07      | 751.45     | -530.37               | 11.40                 | 11.13                | -4.87               |



## Survey Report



|                  |                                              |                                     |                                      |
|------------------|----------------------------------------------|-------------------------------------|--------------------------------------|
| <b>Company:</b>  | Enduring Resources LLC                       | <b>Local Co-ordinate Reference:</b> | Well W Lybrook Unit No. 830H         |
| <b>Project:</b>  | San Juan County, New Mexico NAD83 NM W       | <b>TVD Reference:</b>               | RKB=6641+28 @ 6669.00ft (Ensgin 773) |
| <b>Site:</b>     | W Lybrook 730 Pad (730, 763, 830, 861 & 863) | <b>MD Reference:</b>                | RKB=6641+28 @ 6669.00ft (Ensgin 773) |
| <b>Well:</b>     | W Lybrook Unit No. 830H                      | <b>North Reference:</b>             | Grid                                 |
| <b>Wellbore:</b> | Original Hole                                | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Design:</b>   | Surveys Original Hole                        | <b>Database:</b>                    | DB_Feb2822                           |

| Survey                         |                 |             |                     |            |            |                       |                       |                      |                     |
|--------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft)            | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 3,894.00                       | 34.65           | 350.180     | 3,717.47            | 10.77      | 748.93     | -516.59               | 9.87                  | 8.58                 | -8.90               |
| 3,926.00                       | 36.05           | 346.450     | 3,743.57            | 28.89      | 745.18     | -501.02               | 8.04                  | 4.38                 | -11.66              |
| 3,957.00                       | 37.63           | 342.580     | 3,768.39            | 46.79      | 740.21     | -484.76               | 9.05                  | 5.10                 | -12.48              |
| 3,989.00                       | 40.06           | 339.620     | 3,793.31            | 65.77      | 733.69     | -466.65               | 9.55                  | 7.59                 | -9.25               |
| 4,020.00                       | 42.21           | 337.380     | 3,816.66            | 84.74      | 726.21     | -447.86               | 8.41                  | 6.94                 | -7.23               |
| 4,051.00                       | 44.60           | 335.150     | 3,839.18            | 104.23     | 717.63     | -427.94               | 9.16                  | 7.71                 | -7.19               |
| 4,083.00                       | 46.62           | 332.260     | 3,861.57            | 124.72     | 707.50     | -406.21               | 9.03                  | 6.31                 | -9.03               |
| 4,114.00                       | 48.58           | 329.660     | 3,882.47            | 144.73     | 696.38     | -384.14               | 8.85                  | 6.32                 | -8.39               |
| 4,146.00                       | 50.93           | 327.230     | 3,903.15            | 165.53     | 683.59     | -360.33               | 9.35                  | 7.34                 | -7.59               |
| 4,178.00                       | 53.11           | 324.650     | 3,922.84            | 186.42     | 669.46     | -335.53               | 9.32                  | 6.81                 | -8.06               |
| 4,209.00                       | 55.09           | 321.990     | 3,941.02            | 206.55     | 654.46     | -310.65               | 9.44                  | 6.39                 | -8.58               |
| 4,240.00                       | 57.76           | 319.690     | 3,958.16            | 226.57     | 638.14     | -284.93               | 10.60                 | 8.61                 | -7.42               |
| 4,272.00                       | 59.31           | 317.640     | 3,974.87            | 247.06     | 620.12     | -257.68               | 7.30                  | 4.84                 | -6.41               |
| 4,303.00                       | 59.20           | 317.290     | 3,990.71            | 266.69     | 602.10     | -231.05               | 1.03                  | -0.35                | -1.13               |
| 4,335.00                       | 58.56           | 316.680     | 4,007.25            | 286.72     | 583.42     | -203.67               | 2.58                  | -2.00                | -1.91               |
| 4,366.00                       | 60.58           | 315.660     | 4,022.95            | 306.00     | 564.91     | -176.94               | 7.11                  | 6.52                 | -3.29               |
| 4,398.00                       | 62.83           | 316.200     | 4,038.12            | 326.24     | 545.31     | -148.77               | 7.19                  | 7.03                 | 1.69                |
| 4,429.00                       | 65.22           | 316.300     | 4,051.70            | 346.37     | 526.04     | -120.90               | 7.72                  | 7.71                 | 0.32                |
| 4,437.00                       | 65.97           | 316.338     | 4,055.00            | 351.64     | 521.01     | -113.62               | 9.38                  | 9.37                 | 0.48                |
| FTP Cms top @ 4437 MD 4055 TVD |                 |             |                     |            |            |                       |                       |                      |                     |
| 4,461.00                       | 68.22           | 316.450     | 4,064.34            | 367.65     | 505.76     | -91.51                | 9.38                  | 9.38                 | 0.47                |
| 4,492.00                       | 70.99           | 316.070     | 4,075.14            | 388.64     | 485.67     | -62.46                | 9.01                  | 8.94                 | -1.23               |
| 4,523.00                       | 73.90           | 316.030     | 4,084.49            | 409.91     | 465.16     | -32.91                | 9.39                  | 9.39                 | -0.13               |
| 4,555.00                       | 76.54           | 315.720     | 4,092.66            | 432.12     | 443.62     | -1.97                 | 8.30                  | 8.25                 | -0.97               |
| 4,586.00                       | 79.62           | 315.570     | 4,099.06            | 453.81     | 422.42     | 28.36                 | 9.95                  | 9.94                 | -0.48               |
| 4,618.00                       | 82.91           | 315.330     | 4,103.92            | 476.34     | 400.24     | 59.98                 | 10.31                 | 10.28                | -0.75               |
| 4,650.00                       | 86.24           | 315.570     | 4,106.94            | 499.04     | 377.89     | 91.83                 | 10.43                 | 10.41                | 0.75                |
| 4,681.00                       | 88.63           | 315.310     | 4,108.33            | 521.11     | 356.16     | 122.80                | 7.76                  | 7.71                 | -0.84               |
| 4,775.00                       | 88.76           | 313.870     | 4,110.47            | 587.08     | 289.24     | 216.76                | 1.54                  | 0.14                 | -1.53               |
| 4,870.00                       | 88.91           | 313.300     | 4,112.40            | 652.56     | 220.44     | 311.68                | 0.62                  | 0.16                 | -0.60               |
| 4,964.00                       | 88.86           | 316.000     | 4,114.23            | 718.60     | 153.59     | 405.64                | 2.87                  | -0.05                | 2.87                |
| 5,058.00                       | 89.80           | 316.760     | 4,115.33            | 786.65     | 88.74      | 499.63                | 1.29                  | 1.00                 | 0.81                |
| 5,153.00                       | 90.50           | 316.770     | 4,115.08            | 855.86     | 23.67      | 594.60                | 0.74                  | 0.74                 | 0.01                |
| 5,248.00                       | 90.63           | 315.850     | 4,114.14            | 924.55     | -41.95     | 689.59                | 0.98                  | 0.14                 | -0.97               |
| 5,342.00                       | 89.56           | 314.670     | 4,113.99            | 991.31     | -108.11    | 783.59                | 1.69                  | -1.14                | -1.26               |
| 5,436.00                       | 88.31           | 313.250     | 4,115.74            | 1,056.55   | -175.76    | 877.53                | 2.01                  | -1.33                | -1.51               |
| 5,530.00                       | 87.31           | 316.120     | 4,119.33            | 1,122.60   | -242.54    | 971.44                | 3.23                  | -1.06                | 3.05                |
| 5,625.00                       | 90.11           | 316.480     | 4,121.47            | 1,191.25   | -308.15    | 1,066.40              | 2.97                  | 2.95                 | 0.38                |
| 5,719.00                       | 89.80           | 316.270     | 4,121.54            | 1,259.30   | -373.00    | 1,160.39              | 0.40                  | -0.33                | -0.22               |
| 5,814.00                       | 89.31           | 316.190     | 4,122.28            | 1,327.90   | -438.72    | 1,255.38              | 0.52                  | -0.52                | -0.08               |
| 5,908.00                       | 89.24           | 316.080     | 4,123.47            | 1,395.66   | -503.85    | 1,349.36              | 0.14                  | -0.07                | -0.12               |
| 6,003.00                       | 89.04           | 315.830     | 4,124.89            | 1,463.94   | -569.89    | 1,444.35              | 0.34                  | -0.21                | -0.26               |
| 6,099.00                       | 88.15           | 315.230     | 4,127.25            | 1,532.43   | -637.12    | 1,540.32              | 1.12                  | -0.93                | -0.63               |



## Survey Report



|                  |                                              |                                     |                                      |
|------------------|----------------------------------------------|-------------------------------------|--------------------------------------|
| <b>Company:</b>  | Enduring Resources LLC                       | <b>Local Co-ordinate Reference:</b> | Well W Lybrook Unit No. 830H         |
| <b>Project:</b>  | San Juan County, New Mexico NAD83 NM W       | <b>TVD Reference:</b>               | RKB=6641+28 @ 6669.00ft (Ensgin 773) |
| <b>Site:</b>     | W Lybrook 730 Pad (730, 763, 830, 861 & 863) | <b>MD Reference:</b>                | RKB=6641+28 @ 6669.00ft (Ensgin 773) |
| <b>Well:</b>     | W Lybrook Unit No. 830H                      | <b>North Reference:</b>             | Grid                                 |
| <b>Wellbore:</b> | Original Hole                                | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Design:</b>   | Surveys Original Hole                        | <b>Database:</b>                    | DB_Feb2822                           |

| Survey              |                 |             |                     |            |            |                       |                       |                      |                     |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 6,193.00            | 90.06           | 316.320     | 4,128.72            | 1,599.78   | -702.67    | 1,634.30              | 2.34                  | 2.03                 | 1.16                |
| 6,287.00            | 89.89           | 316.160     | 4,128.76            | 1,667.67   | -767.68    | 1,728.30              | 0.25                  | -0.18                | -0.17               |
| 6,382.00            | 89.32           | 315.650     | 4,129.41            | 1,735.89   | -833.79    | 1,823.29              | 0.81                  | -0.60                | -0.54               |
| 6,476.00            | 88.55           | 315.350     | 4,131.16            | 1,802.93   | -899.66    | 1,917.28              | 0.88                  | -0.82                | -0.32               |
| 6,570.00            | 88.07           | 314.680     | 4,133.93            | 1,869.38   | -966.08    | 2,011.23              | 0.88                  | -0.51                | -0.71               |
| 6,665.00            | 89.76           | 315.930     | 4,135.73            | 1,936.90   | -1,032.88  | 2,106.21              | 2.21                  | 1.78                 | 1.32                |
| 6,759.00            | 90.54           | 315.700     | 4,135.48            | 2,004.30   | -1,098.40  | 2,200.20              | 0.87                  | 0.83                 | -0.24               |
| 6,854.00            | 90.78           | 315.610     | 4,134.39            | 2,072.24   | -1,164.80  | 2,295.20              | 0.27                  | 0.25                 | -0.09               |
| 6,948.00            | 91.06           | 314.840     | 4,132.88            | 2,138.96   | -1,230.99  | 2,389.18              | 0.87                  | 0.30                 | -0.82               |
| 7,043.00            | 88.86           | 315.680     | 4,132.95            | 2,206.43   | -1,297.86  | 2,484.18              | 2.48                  | -2.32                | 0.88                |
| 7,137.00            | 88.77           | 315.070     | 4,134.89            | 2,273.32   | -1,363.87  | 2,578.15              | 0.66                  | -0.10                | -0.65               |
| 7,231.00            | 88.90           | 314.890     | 4,136.80            | 2,339.75   | -1,430.35  | 2,672.13              | 0.24                  | 0.14                 | -0.19               |
| 7,325.00            | 89.45           | 314.700     | 4,138.16            | 2,405.97   | -1,497.05  | 2,766.11              | 0.62                  | 0.59                 | -0.20               |
| 7,419.00            | 89.97           | 314.900     | 4,138.63            | 2,472.21   | -1,563.75  | 2,860.10              | 0.59                  | 0.55                 | 0.21                |
| 7,514.00            | 90.58           | 314.510     | 4,138.18            | 2,539.03   | -1,631.27  | 2,955.09              | 0.76                  | 0.64                 | -0.41               |
| 7,608.00            | 91.05           | 313.390     | 4,136.84            | 2,604.26   | -1,698.93  | 3,049.04              | 1.29                  | 0.50                 | -1.19               |
| 7,702.00            | 88.13           | 314.570     | 4,137.51            | 2,669.53   | -1,766.57  | 3,142.99              | 3.35                  | -3.11                | 1.26                |
| 7,797.00            | 87.63           | 314.220     | 4,141.03            | 2,735.95   | -1,834.40  | 3,237.90              | 0.64                  | -0.53                | -0.37               |
| 7,891.00            | 87.43           | 313.330     | 4,145.08            | 2,800.92   | -1,902.21  | 3,331.77              | 0.97                  | -0.21                | -0.95               |
| 7,985.00            | 88.72           | 315.550     | 4,148.23            | 2,866.69   | -1,969.28  | 3,425.69              | 2.73                  | 1.37                 | 2.36                |
| 8,079.00            | 89.29           | 316.590     | 4,149.87            | 2,934.38   | -2,034.48  | 3,519.67              | 1.26                  | 0.61                 | 1.11                |
| 8,174.00            | 88.96           | 315.280     | 4,151.32            | 3,002.63   | -2,100.54  | 3,614.66              | 1.42                  | -0.35                | -1.38               |
| 8,268.00            | 89.22           | 314.490     | 4,152.81            | 3,068.95   | -2,167.14  | 3,708.64              | 0.88                  | 0.28                 | -0.84               |
| 8,363.00            | 89.83           | 315.960     | 4,153.60            | 3,136.39   | -2,234.04  | 3,803.63              | 1.68                  | 0.64                 | 1.55                |
| 8,458.00            | 90.24           | 315.790     | 4,153.54            | 3,204.58   | -2,300.18  | 3,898.63              | 0.47                  | 0.43                 | -0.18               |
| 8,552.00            | 90.38           | 315.540     | 4,153.03            | 3,271.81   | -2,365.88  | 3,992.62              | 0.30                  | 0.15                 | -0.27               |
| 8,646.00            | 90.90           | 315.420     | 4,151.98            | 3,338.83   | -2,431.78  | 4,086.62              | 0.57                  | 0.55                 | -0.13               |
| 8,741.00            | 91.49           | 315.290     | 4,150.00            | 3,406.41   | -2,498.52  | 4,181.60              | 0.64                  | 0.62                 | -0.14               |
| 8,836.00            | 89.07           | 316.350     | 4,149.54            | 3,474.53   | -2,564.72  | 4,276.59              | 2.78                  | -2.55                | 1.12                |
| 8,930.00            | 88.45           | 316.150     | 4,151.57            | 3,542.42   | -2,629.71  | 4,370.56              | 0.69                  | -0.66                | -0.21               |
| 9,024.00            | 88.18           | 315.300     | 4,154.33            | 3,609.69   | -2,695.30  | 4,464.51              | 0.95                  | -0.29                | -0.90               |
| 9,118.00            | 88.45           | 315.400     | 4,157.10            | 3,676.53   | -2,761.33  | 4,558.47              | 0.31                  | 0.29                 | 0.11                |
| 9,213.00            | 88.10           | 314.440     | 4,159.96            | 3,743.58   | -2,828.57  | 4,653.42              | 1.08                  | -0.37                | -1.01               |
| 9,307.00            | 89.15           | 315.520     | 4,162.21            | 3,810.01   | -2,895.04  | 4,747.39              | 1.60                  | 1.12                 | 1.15                |
| 9,402.00            | 89.42           | 314.920     | 4,163.40            | 3,877.44   | -2,961.95  | 4,842.38              | 0.69                  | 0.28                 | -0.63               |
| 9,496.00            | 89.60           | 318.620     | 4,164.20            | 3,945.91   | -3,026.32  | 4,936.34              | 3.94                  | 0.19                 | 3.94                |
| 9,590.00            | 89.11           | 318.090     | 4,165.26            | 4,016.15   | -3,088.78  | 5,030.22              | 0.77                  | -0.52                | -0.56               |
| 9,685.00            | 88.28           | 317.820     | 4,167.43            | 4,086.68   | -3,152.39  | 5,125.11              | 0.92                  | -0.87                | -0.28               |
| 9,779.00            | 87.27           | 317.280     | 4,171.07            | 4,155.99   | -3,215.78  | 5,218.98              | 1.22                  | -1.07                | -0.57               |
| 9,873.00            | 88.66           | 319.260     | 4,174.41            | 4,226.09   | -3,278.31  | 5,312.81              | 2.57                  | 1.48                 | 2.11                |
| 9,967.00            | 89.17           | 318.940     | 4,176.19            | 4,297.12   | -3,339.84  | 5,406.62              | 0.64                  | 0.54                 | -0.34               |
| 10,061.00           | 90.85           | 317.960     | 4,176.18            | 4,367.47   | -3,402.19  | 5,500.49              | 2.07                  | 1.79                 | -1.04               |
| 10,156.00           | 90.02           | 317.210     | 4,175.46            | 4,437.60   | -3,466.26  | 5,595.43              | 1.18                  | -0.87                | -0.79               |



## Survey Report



|                  |                                              |                                     |                                      |
|------------------|----------------------------------------------|-------------------------------------|--------------------------------------|
| <b>Company:</b>  | Enduring Resources LLC                       | <b>Local Co-ordinate Reference:</b> | Well W Lybrook Unit No. 830H         |
| <b>Project:</b>  | San Juan County, New Mexico NAD83 NM W       | <b>TVD Reference:</b>               | RKB=6641+28 @ 6669.00ft (Ensgin 773) |
| <b>Site:</b>     | W Lybrook 730 Pad (730, 763, 830, 861 & 863) | <b>MD Reference:</b>                | RKB=6641+28 @ 6669.00ft (Ensgin 773) |
| <b>Well:</b>     | W Lybrook Unit No. 830H                      | <b>North Reference:</b>             | Grid                                 |
| <b>Wellbore:</b> | Original Hole                                | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Design:</b>   | Surveys Original Hole                        | <b>Database:</b>                    | DB_Feb2822                           |

| Survey                                                      |                 |             |                     |            |            |                       |                       |                      |                     |
|-------------------------------------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft)                                         | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 10,250.00                                                   | 91.33           | 317.270     | 4,174.35            | 4,506.61   | -3,530.07  | 5,689.38              | 1.40                  | 1.39                 | 0.06                |
| 10,345.00                                                   | 90.97           | 316.620     | 4,172.44            | 4,576.01   | -3,594.92  | 5,784.34              | 0.78                  | -0.38                | -0.68               |
| 10,440.00                                                   | 90.28           | 315.880     | 4,171.41            | 4,644.63   | -3,660.61  | 5,879.32              | 1.06                  | -0.73                | -0.78               |
| 10,534.00                                                   | 89.83           | 315.500     | 4,171.31            | 4,711.90   | -3,726.27  | 5,973.32              | 0.63                  | -0.48                | -0.40               |
| 10,629.00                                                   | 89.51           | 315.720     | 4,171.86            | 4,779.78   | -3,792.72  | 6,068.32              | 0.41                  | -0.34                | 0.23                |
| 10,723.00                                                   | 89.52           | 315.350     | 4,172.66            | 4,846.86   | -3,858.57  | 6,162.32              | 0.39                  | 0.01                 | -0.39               |
| 10,817.00                                                   | 89.36           | 315.000     | 4,173.58            | 4,913.53   | -3,924.83  | 6,256.31              | 0.41                  | -0.17                | -0.37               |
| 10,911.00                                                   | 89.61           | 314.990     | 4,174.42            | 4,979.99   | -3,991.30  | 6,350.30              | 0.27                  | 0.27                 | -0.01               |
| 11,006.00                                                   | 89.60           | 314.280     | 4,175.08            | 5,046.74   | -4,058.90  | 6,445.29              | 0.75                  | -0.01                | -0.75               |
| 11,100.00                                                   | 90.00           | 313.870     | 4,175.40            | 5,112.12   | -4,126.43  | 6,539.25              | 0.61                  | 0.43                 | -0.44               |
| 11,195.00                                                   | 90.16           | 313.820     | 4,175.27            | 5,177.93   | -4,194.95  | 6,634.21              | 0.18                  | 0.17                 | -0.05               |
| 11,289.00                                                   | 90.07           | 312.840     | 4,175.08            | 5,242.43   | -4,263.32  | 6,728.14              | 1.05                  | -0.10                | -1.04               |
| 11,384.00                                                   | 89.57           | 315.410     | 4,175.38            | 5,308.57   | -4,331.51  | 6,823.10              | 2.76                  | -0.53                | 2.71                |
| 11,478.00                                                   | 89.80           | 315.190     | 4,175.90            | 5,375.38   | -4,397.63  | 6,917.09              | 0.34                  | 0.24                 | -0.23               |
| 11,573.00                                                   | 90.23           | 314.730     | 4,175.87            | 5,442.51   | -4,464.85  | 7,012.09              | 0.66                  | 0.45                 | -0.48               |
| 11,667.00                                                   | 90.50           | 314.490     | 4,175.27            | 5,508.52   | -4,531.77  | 7,106.07              | 0.38                  | 0.29                 | -0.26               |
| 11,762.00                                                   | 90.66           | 313.700     | 4,174.31            | 5,574.62   | -4,599.99  | 7,201.04              | 0.85                  | 0.17                 | -0.83               |
| 11,856.00                                                   | 88.92           | 315.660     | 4,174.66            | 5,640.71   | -4,666.82  | 7,295.02              | 2.79                  | -1.85                | 2.09                |
| 11,951.00                                                   | 89.37           | 315.540     | 4,176.08            | 5,708.58   | -4,733.28  | 7,390.01              | 0.49                  | 0.47                 | -0.13               |
| 12,045.00                                                   | 89.48           | 314.780     | 4,177.02            | 5,775.23   | -4,799.56  | 7,484.00              | 0.82                  | 0.12                 | -0.81               |
| 12,139.00                                                   | 89.77           | 314.340     | 4,177.63            | 5,841.18   | -4,866.54  | 7,577.98              | 0.56                  | 0.31                 | -0.47               |
| 12,233.00                                                   | 90.13           | 314.520     | 4,177.72            | 5,906.99   | -4,933.66  | 7,671.96              | 0.43                  | 0.38                 | 0.19                |
| 12,327.00                                                   | 90.08           | 313.670     | 4,177.54            | 5,972.39   | -5,001.17  | 7,765.93              | 0.91                  | -0.05                | -0.90               |
| 12,422.00                                                   | 90.85           | 313.390     | 4,176.77            | 6,037.82   | -5,070.04  | 7,860.87              | 0.86                  | 0.81                 | -0.29               |
| 12,516.00                                                   | 91.53           | 313.390     | 4,174.82            | 6,102.38   | -5,138.34  | 7,954.78              | 0.72                  | 0.72                 | 0.00                |
| 12,611.00                                                   | 91.84           | 313.040     | 4,172.03            | 6,167.40   | -5,207.54  | 8,049.66              | 0.49                  | 0.33                 | -0.37               |
| <b>Survey @ 12611.00 MD 4172.03 TVD</b>                     |                 |             |                     |            |            |                       |                       |                      |                     |
| 12,636.00                                                   | 91.84           | 313.040     | 4,171.22            | 6,184.46   | -5,225.80  | 8,074.62              | 0.00                  | 0.00                 | 0.00                |
| <b>LTP @ 12636 MD 4171.22 TVD</b>                           |                 |             |                     |            |            |                       |                       |                      |                     |
| 12,659.00                                                   | 91.84           | 313.040     | 4,170.49            | 6,200.15   | -5,242.61  | 8,097.58              | 0.00                  | 0.00                 | 0.00                |
| <b>330 perp @ 12659.00 MD 4170.49 TVD</b>                   |                 |             |                     |            |            |                       |                       |                      |                     |
| 12,753.00                                                   | 91.84           | 313.040     | 4,167.47            | 6,264.27   | -5,311.27  | 8,191.44              | 0.00                  | 0.00                 | 0.00                |
| <b>Survey Proj. to 1275 MD 4167.47 TVD 165 FNL 2503 FWL</b> |                 |             |                     |            |            |                       |                       |                      |                     |

| Casing Points       |                     |      |                     |                   |
|---------------------|---------------------|------|---------------------|-------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Casing Diameter (") | Hole Diameter (") |
| 2,522.00            | 2,458.94            |      | 9-5/8               | 12-1/4            |



## Survey Report



|                  |                                              |                                     |                                      |
|------------------|----------------------------------------------|-------------------------------------|--------------------------------------|
| <b>Company:</b>  | Enduring Resources LLC                       | <b>Local Co-ordinate Reference:</b> | Well W Lybrook Unit No. 830H         |
| <b>Project:</b>  | San Juan County, New Mexico NAD83 NM W       | <b>TVD Reference:</b>               | RKB=6641+28 @ 6669.00ft (Ensgin 773) |
| <b>Site:</b>     | W Lybrook 730 Pad (730, 763, 830, 861 & 863) | <b>MD Reference:</b>                | RKB=6641+28 @ 6669.00ft (Ensgin 773) |
| <b>Well:</b>     | W Lybrook Unit No. 830H                      | <b>North Reference:</b>             | Grid                                 |
| <b>Wellbore:</b> | Original Hole                                | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Design:</b>   | Surveys Original Hole                        | <b>Database:</b>                    | DB_Feb2822                           |

| Design Annotations  |                     |                   |            |                                                      |
|---------------------|---------------------|-------------------|------------|------------------------------------------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates |            | Comment                                              |
|                     |                     | +N/-S (ft)        | +E/-W (ft) |                                                      |
| 431.00              | 430.99              | 1.63              | -2.07      | MWD surveys                                          |
| 2,522.00            | 2,458.94            | -57.19            | 307.46     | 9 5/8" Casing @ 2522.00 MD 2458.94 TVD               |
| 4,437.00            | 4,055.00            | 351.64            | 521.01     | FTP Cms top @ 4437 MD 4055 TVD                       |
| 12,611.00           | 4,172.03            | 6,167.40          | -5,207.54  | Survey @ 12611.00 MD 4172.03 TVD                     |
| 12,636.00           | 4,171.22            | 6,184.46          | -5,225.80  | LTP @ 12636 MD 4171.22 TVD                           |
| 12,659.00           | 4,170.49            | 6,200.15          | -5,242.61  | 330 perp @ 12659.00 MD 4170.49 TVD                   |
| 12,753.00           | 4,167.47            | 6,264.27          | -5,311.27  | Survey Proj. to 1275 MD 4167.47 TVD 165 FNL 2503 FWL |



## Survey Report - Geographic



|                  |                                              |                                     |                                      |
|------------------|----------------------------------------------|-------------------------------------|--------------------------------------|
| <b>Company:</b>  | Enduring Resources LLC                       | <b>Local Co-ordinate Reference:</b> | Well W Lybrook Unit No. 830H         |
| <b>Project:</b>  | San Juan County, New Mexico NAD83 NM W       | <b>TVD Reference:</b>               | RKB=6641+28 @ 6669.00ft (Ensgin 773) |
| <b>Site:</b>     | W Lybrook 730 Pad (730, 763, 830, 861 & 863) | <b>MD Reference:</b>                | RKB=6641+28 @ 6669.00ft (Ensgin 773) |
| <b>Well:</b>     | W Lybrook Unit No. 830H                      | <b>North Reference:</b>             | Grid                                 |
| <b>Wellbore:</b> | Original Hole                                | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Design:</b>   | Surveys Original Hole                        | <b>Database:</b>                    | DB_Feb2822                           |

|                    |                                        |                      |                |
|--------------------|----------------------------------------|----------------------|----------------|
| <b>Project</b>     | San Juan County, New Mexico NAD83 NM W |                      |                |
| <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 Western Zone                |                      |                |

|                       |                                              |              |                    |                   |                |
|-----------------------|----------------------------------------------|--------------|--------------------|-------------------|----------------|
| Site                  | W Lybrook 730 Pad (730, 763, 830, 861 & 863) |              |                    |                   |                |
| Site Position:        |                                              | Northing:    | 1,888,164.052 usft | Latitude:         | 36.189179000   |
| From:                 | Lat/Long                                     | Easting:     | 2,741,098.391 usft | Longitude:        | -107.772310000 |
| Position Uncertainty: | 0.00 ft                                      | Slot Radius: | 13-3/16 "          | Grid Convergence: | 0.04 °         |

|                      |                                                                           |         |                     |                    |               |                |
|----------------------|---------------------------------------------------------------------------|---------|---------------------|--------------------|---------------|----------------|
| Well                 | W Lybrook Unit No. 830H, Surf loc: 1161 FNL 2446 FWL Section 27-T23N-R09W |         |                     |                    |               |                |
| Well Position        | +N/-S                                                                     | 0.00 ft | Northing:           | 1,892,814.692 usft | Latitude:     | 36.201957000   |
|                      | +E/-W                                                                     | 0.00 ft | Easting:            | 2,739,770.775 usft | Longitude:    | -107.776800000 |
| Position Uncertainty |                                                                           | 0.00 ft | Wellhead Elevation: | ft                 | Ground Level: | 6,641.00 ft    |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | Original Hole     |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | IGRF2020          | 2/1/2022           | 8.75                   | 62.72                | 49,225.89828877            |

|                          |                              |                   |                   |                      |      |
|--------------------------|------------------------------|-------------------|-------------------|----------------------|------|
| <b>Design</b>            | Surveys Original Hole        |                   |                   |                      |      |
| <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) (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b> | <b>Direction (°)</b> |      |
|                          | 0.00                         | 0.00              | 0.00              | 315.570              |      |

|                       |                |                            |                  |                     |  |
|-----------------------|----------------|----------------------------|------------------|---------------------|--|
| <b>Survey Program</b> | <b>Date</b>    | 4/4/2022                   |                  |                     |  |
| <b>From (ft)</b>      | <b>To (ft)</b> | <b>Survey (Wellbore)</b>   | <b>Tool Name</b> | <b>Description</b>  |  |
| 431.00                | 2,453.00       | MWD surf (Original Hole)   | MWD              | OWSG MWD - Standard |  |
| 2,554.00              | 12,611.00      | MWD (Original Hole)        | MWD              | OWSG MWD - Standard |  |
| 12,753.00             | 12,753.00      | Projection (Original Hole) | MWD              | OWSG MWD - Standard |  |

|                            |                        |                    |                            |                   |                   |                            |                           |                 |                  |
|----------------------------|------------------------|--------------------|----------------------------|-------------------|-------------------|----------------------------|---------------------------|-----------------|------------------|
| <b>Survey</b>              |                        |                    |                            |                   |                   |                            |                           |                 |                  |
| <b>Measured Depth (ft)</b> | <b>Inclination (°)</b> | <b>Azimuth (°)</b> | <b>Vertical Depth (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b> | <b>Map Northing (usft)</b> | <b>Map Easting (usft)</b> | <b>Latitude</b> | <b>Longitude</b> |
| 0.00                       | 0.00                   | 0.000              | 0.00                       | 0.00              | 0.00              | 1,892,814.692              | 2,739,770.775             | 36.201957000    | -107.776800000   |
| 431.00                     | 0.70                   | 308.180            | 430.99                     | 1.63              | -2.07             | 1,892,816.320              | 2,739,768.705             | 36.201961474    | -107.776807012   |
| <b>MWD surveys</b>         |                        |                    |                            |                   |                   |                            |                           |                 |                  |
| 493.00                     | 0.62                   | 300.010            | 492.99                     | 2.03              | -2.66             | 1,892,816.722              | 2,739,768.117             | 36.201962579    | -107.776809004   |
| 584.00                     | 0.92                   | 296.490            | 583.98                     | 2.60              | -3.74             | 1,892,817.294              | 2,739,767.037             | 36.201964152    | -107.776812665   |
| 675.00                     | 0.31                   | 290.170            | 674.97                     | 3.01              | -4.62             | 1,892,817.704              | 2,739,766.152             | 36.201965282    | -107.776815663   |
| 766.00                     | 0.48                   | 260.550            | 765.97                     | 3.03              | -5.23             | 1,892,817.727              | 2,739,765.545             | 36.201965344    | -107.776817721   |
| 857.00                     | 0.88                   | 278.390            | 856.96                     | 3.07              | -6.30             | 1,892,817.766              | 2,739,764.477             | 36.201965454    | -107.776821339   |
| 948.00                     | 1.19                   | 275.140            | 947.95                     | 3.26              | -7.93             | 1,892,817.953              | 2,739,762.845             | 36.201965969    | -107.776826871   |
| 1,039.00                   | 1.14                   | 283.310            | 1,038.93                   | 3.55              | -9.75             | 1,892,818.246              | 2,739,761.023             | 36.201966777    | -107.776833047   |



## Survey Report - Geographic



|                  |                                              |                                     |                                      |
|------------------|----------------------------------------------|-------------------------------------|--------------------------------------|
| <b>Company:</b>  | Enduring Resources LLC                       | <b>Local Co-ordinate Reference:</b> | Well W Lybrook Unit No. 830H         |
| <b>Project:</b>  | San Juan County, New Mexico NAD83 NM W       | <b>TVD Reference:</b>               | RKB=6641+28 @ 6669.00ft (Ensgin 773) |
| <b>Site:</b>     | W Lybrook 730 Pad (730, 763, 830, 861 & 863) | <b>MD Reference:</b>                | RKB=6641+28 @ 6669.00ft (Ensgin 773) |
| <b>Well:</b>     | W Lybrook Unit No. 830H                      | <b>North Reference:</b>             | Grid                                 |
| <b>Wellbore:</b> | Original Hole                                | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Design:</b>   | Surveys Original Hole                        | <b>Database:</b>                    | DB_Feb2822                           |

| Survey                                 |                    |                |                           |               |               |                           |                          |              |                |
|----------------------------------------|--------------------|----------------|---------------------------|---------------|---------------|---------------------------|--------------------------|--------------|----------------|
| Measured<br>Depth<br>(ft)              | Inclination<br>(°) | Azimuth<br>(°) | Vertical<br>Depth<br>(ft) | +N/-S<br>(ft) | +E/-W<br>(ft) | Map<br>Northing<br>(usft) | Map<br>Easting<br>(usft) | Latitude     | Longitude      |
| 1,132.00                               | 0.97               | 287.440        | 1,131.91                  | 4.00          | -11.40        | 1,892,818.695             | 2,739,759.371            | 36.201968013 | -107.776838643 |
| 1,226.00                               | 0.66               | 267.490        | 1,225.90                  | 4.22          | -12.70        | 1,892,818.909             | 2,739,758.071            | 36.201968605 | -107.776843049 |
| 1,320.00                               | 0.48               | 303.090        | 1,319.90                  | 4.41          | -13.57        | 1,892,819.101             | 2,739,757.201            | 36.201969132 | -107.776846000 |
| 1,414.00                               | 1.41               | 124.320        | 1,413.89                  | 3.97          | -12.95        | 1,892,818.664             | 2,739,757.826            | 36.201967930 | -107.776843881 |
| 1,508.00                               | 3.65               | 121.860        | 1,507.79                  | 1.74          | -9.45         | 1,892,816.432             | 2,739,761.323            | 36.201961794 | -107.776832033 |
| 1,603.00                               | 5.80               | 107.970        | 1,602.47                  | -1.34         | -2.32         | 1,892,813.354             | 2,739,768.458            | 36.201953328 | -107.776807853 |
| 1,697.00                               | 9.40               | 102.870        | 1,695.63                  | -4.51         | 9.69          | 1,892,810.178             | 2,739,780.464            | 36.201944583 | -107.776767168 |
| 1,791.00                               | 13.40              | 105.510        | 1,787.76                  | -9.14         | 27.68         | 1,892,805.554             | 2,739,798.450            | 36.201931851 | -107.776706213 |
| 1,886.00                               | 16.39              | 103.050        | 1,879.55                  | -15.11        | 51.35         | 1,892,799.582             | 2,739,822.120            | 36.201915409 | -107.776625996 |
| 1,981.00                               | 19.25              | 101.820        | 1,969.99                  | -21.35        | 79.74         | 1,892,793.347             | 2,739,850.511            | 36.201898233 | -107.776529777 |
| 2,075.00                               | 22.59              | 100.410        | 2,057.78                  | -27.78        | 112.67        | 1,892,786.908             | 2,739,883.445            | 36.201880494 | -107.776418163 |
| 2,170.00                               | 26.41              | 98.210         | 2,144.21                  | -34.10        | 151.54        | 1,892,780.592             | 2,739,922.317            | 36.201863079 | -107.776286420 |
| 2,264.00                               | 27.33              | 98.390         | 2,228.06                  | -40.23        | 193.58        | 1,892,774.458             | 2,739,964.356            | 36.201846161 | -107.776143941 |
| 2,358.00                               | 26.59              | 98.480         | 2,311.85                  | -46.49        | 235.74        | 1,892,768.207             | 2,740,006.512            | 36.201828921 | -107.776001070 |
| 2,453.00                               | 26.19              | 98.480         | 2,396.95                  | -52.71        | 277.50        | 1,892,761.980             | 2,740,048.275            | 36.201811747 | -107.775859526 |
| 2,522.00                               | 25.88              | 98.514         | 2,458.94                  | -57.19        | 307.46        | 1,892,757.505             | 2,740,078.230            | 36.201799405 | -107.775758006 |
| 9 5/8" Casing @ 2522.00 MD 2458.94 TVD |                    |                |                           |               |               |                           |                          |              |                |
| 2,554.00                               | 25.74              | 98.530         | 2,487.75                  | -59.25        | 321.23        | 1,892,755.441             | 2,740,092.009            | 36.201793711 | -107.775711306 |
| 2,585.00                               | 25.61              | 97.790         | 2,515.69                  | -61.16        | 334.53        | 1,892,753.534             | 2,740,105.304            | 36.201788451 | -107.775666247 |
| 2,679.00                               | 25.17              | 97.120         | 2,600.61                  | -66.39        | 374.49        | 1,892,748.303             | 2,740,145.267            | 36.201774015 | -107.775530803 |
| 2,774.00                               | 24.74              | 96.740         | 2,686.74                  | -71.23        | 414.28        | 1,892,743.466             | 2,740,185.055            | 36.201760662 | -107.775395954 |
| 2,869.00                               | 24.19              | 96.630         | 2,773.21                  | -75.81        | 453.36        | 1,892,738.885             | 2,740,224.130            | 36.201748015 | -107.775263519 |
| 2,984.00                               | 23.60              | 95.900         | 2,878.35                  | -80.89        | 499.66        | 1,892,733.799             | 2,740,270.433            | 36.201733966 | -107.775106590 |
| 3,077.00                               | 22.97              | 95.340         | 2,963.78                  | -84.50        | 536.24        | 1,892,730.196             | 2,740,307.018            | 36.201724009 | -107.774982591 |
| 3,172.00                               | 23.23              | 101.240        | 3,051.17                  | -89.87        | 573.08        | 1,892,724.819             | 2,740,343.855            | 36.201709175 | -107.774857744 |
| 3,267.00                               | 22.03              | 100.070        | 3,138.86                  | -96.64        | 609.00        | 1,892,718.051             | 2,740,379.775            | 36.201690524 | -107.774736010 |
| 3,360.00                               | 20.40              | 98.930         | 3,225.55                  | -102.21       | 642.19        | 1,892,712.485             | 2,740,412.963            | 36.201675179 | -107.774623534 |
| 3,423.00                               | 18.95              | 97.510         | 3,284.87                  | -105.25       | 663.18        | 1,892,709.444             | 2,740,433.952            | 36.201666788 | -107.774552396 |
| 3,454.00                               | 18.93              | 98.030         | 3,314.20                  | -106.61       | 673.15        | 1,892,708.083             | 2,740,443.922            | 36.201663035 | -107.774518608 |
| 3,486.00                               | 18.85              | 95.490         | 3,344.47                  | -107.83       | 683.43        | 1,892,706.864             | 2,740,454.207            | 36.201659667 | -107.774483748 |
| 3,517.00                               | 19.85              | 86.280         | 3,373.73                  | -107.97       | 693.67        | 1,892,706.726             | 2,740,464.447            | 36.201659272 | -107.774449041 |
| 3,549.00                               | 21.61              | 76.470         | 3,403.66                  | -106.23       | 704.83        | 1,892,708.458             | 2,740,475.602            | 36.201664011 | -107.774411229 |
| 3,580.00                               | 23.36              | 65.780         | 3,432.32                  | -102.38       | 715.99        | 1,892,712.316             | 2,740,486.762            | 36.201674592 | -107.774373393 |
| 3,612.00                               | 23.32              | 55.380         | 3,461.71                  | -96.17        | 726.99        | 1,892,718.520             | 2,740,497.765            | 36.201691616 | -107.774336087 |
| 3,643.00                               | 21.10              | 46.300         | 3,490.42                  | -88.83        | 736.08        | 1,892,725.864             | 2,740,506.853            | 36.201711776 | -107.774305270 |
| 3,675.00                               | 19.78              | 36.590         | 3,520.41                  | -80.50        | 743.47        | 1,892,734.194             | 2,740,514.247            | 36.201734646 | -107.774280190 |
| 3,706.00                               | 20.38              | 25.260         | 3,549.54                  | -71.40        | 748.91        | 1,892,743.291             | 2,740,519.679            | 36.201759627 | -107.774261760 |
| 3,737.00                               | 21.87              | 13.630         | 3,578.47                  | -60.90        | 752.57        | 1,892,753.789             | 2,740,523.345            | 36.201788460 | -107.774249313 |
| 3,769.00                               | 23.54              | 4.070          | 3,608.00                  | -48.73        | 754.43        | 1,892,765.960             | 2,740,525.204            | 36.201821893 | -107.774242987 |
| 3,800.00                               | 25.14              | 355.900        | 3,636.25                  | -35.98        | 754.40        | 1,892,778.708             | 2,740,525.172            | 36.201856911 | -107.774243068 |
| 3,832.00                               | 28.54              | 354.450        | 3,664.80                  | -21.59        | 753.17        | 1,892,793.100             | 2,740,523.946            | 36.201896452 | -107.774247192 |
| 3,863.00                               | 31.99              | 352.940        | 3,691.57                  | -6.07         | 751.45        | 1,892,808.625             | 2,740,522.220            | 36.201939103 | -107.774253010 |
| 3,894.00                               | 34.65              | 350.180        | 3,717.47                  | 10.77         | 748.93        | 1,892,825.462             | 2,740,519.708            | 36.201985360 | -107.774261493 |
| 3,926.00                               | 36.05              | 346.450        | 3,743.57                  | 28.89         | 745.18        | 1,892,843.582             | 2,740,515.949            | 36.202035145 | -107.774274194 |
| 3,957.00                               | 37.63              | 342.580        | 3,768.39                  | 46.79         | 740.21        | 1,892,861.483             | 2,740,510.978            | 36.202084328 | -107.774291007 |
| 3,989.00                               | 40.06              | 339.620        | 3,793.31                  | 65.77         | 733.69        | 1,892,880.462             | 2,740,504.466            | 36.202136474 | -107.774313041 |
| 4,020.00                               | 42.21              | 337.380        | 3,816.66                  | 84.74         | 726.21        | 1,892,899.429             | 2,740,496.985            | 36.202188591 | -107.774338357 |
| 4,051.00                               | 44.60              | 335.150        | 3,839.18                  | 104.23        | 717.63        | 1,892,918.921             | 2,740,488.405            | 36.202242153 | -107.774367401 |
| 4,083.00                               | 46.62              | 332.260        | 3,861.57                  | 124.72        | 707.50        | 1,892,939.412             | 2,740,478.269            | 36.202298461 | -107.774401715 |
| 4,114.00                               | 48.58              | 329.660        | 3,882.47                  | 144.73        | 696.38        | 1,892,959.418             | 2,740,467.152            | 36.202353438 | -107.774439355 |
| 4,146.00                               | 50.93              | 327.230        | 3,903.15                  | 165.53        | 683.59        | 1,892,980.222             | 2,740,454.364            | 36.202410611 | -107.774482654 |
| 4,178.00                               | 53.11              | 324.650        | 3,922.84                  | 186.42        | 669.46        | 1,893,001.110             | 2,740,440.234            | 36.202468014 | -107.774530506 |
| 4,209.00                               | 55.09              | 321.990        | 3,941.02                  | 206.55        | 654.46        | 1,893,021.240             | 2,740,425.231            | 36.202523339 | -107.774581317 |
| 4,240.00                               | 57.76              | 319.690        | 3,958.16                  | 226.57        | 638.14        | 1,893,041.258             | 2,740,408.918            | 36.202578356 | -107.774636569 |
| 4,272.00                               | 59.31              | 317.640        | 3,974.87                  | 247.06        | 620.12        | 1,893,061.747             | 2,740,390.890            | 36.202634673 | -107.774697633 |



## Survey Report - Geographic



|                  |                                              |                                     |                                      |
|------------------|----------------------------------------------|-------------------------------------|--------------------------------------|
| <b>Company:</b>  | Enduring Resources LLC                       | <b>Local Co-ordinate Reference:</b> | Well W Lybrook Unit No. 830H         |
| <b>Project:</b>  | San Juan County, New Mexico NAD83 NM W       | <b>TVD Reference:</b>               | RKB=6641+28 @ 6669.00ft (Ensgin 773) |
| <b>Site:</b>     | W Lybrook 730 Pad (730, 763, 830, 861 & 863) | <b>MD Reference:</b>                | RKB=6641+28 @ 6669.00ft (Ensgin 773) |
| <b>Well:</b>     | W Lybrook Unit No. 830H                      | <b>North Reference:</b>             | Grid                                 |
| <b>Wellbore:</b> | Original Hole                                | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Design:</b>   | Surveys Original Hole                        | <b>Database:</b>                    | DB_Feb2822                           |

| Survey                         |                 |             |                     |            |            |                     |                    |              |                |
|--------------------------------|-----------------|-------------|---------------------|------------|------------|---------------------|--------------------|--------------|----------------|
| Measured Depth (ft)            | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (usft) | Map Easting (usft) | Latitude     | Longitude      |
| 4,303.00                       | 59.20           | 317.290     | 3,990.71            | 266.69     | 602.10     | 1,893,081.379       | 2,740,372.878      | 36.202688635 | -107.774758643 |
| 4,335.00                       | 58.56           | 316.680     | 4,007.25            | 286.72     | 583.42     | 1,893,101.410       | 2,740,354.190      | 36.202743691 | -107.774821944 |
| 4,366.00                       | 60.58           | 315.660     | 4,022.95            | 306.00     | 564.91     | 1,893,120.689       | 2,740,335.679      | 36.202796685 | -107.774884649 |
| 4,398.00                       | 62.83           | 316.200     | 4,038.12            | 326.24     | 545.31     | 1,893,140.933       | 2,740,316.084      | 36.202852330 | -107.774951026 |
| 4,429.00                       | 65.22           | 316.300     | 4,051.70            | 346.37     | 526.04     | 1,893,161.063       | 2,740,296.814      | 36.202907661 | -107.775016301 |
| 4,437.00                       | 65.97           | 316.338     | 4,055.00            | 351.64     | 521.01     | 1,893,166.330       | 2,740,291.785      | 36.202922136 | -107.775033337 |
| FTP Cms top @ 4437 MD 4055 TVD |                 |             |                     |            |            |                     |                    |              |                |
| 4,461.00                       | 68.22           | 316.450     | 4,064.34            | 367.65     | 505.76     | 1,893,182.339       | 2,740,276.536      | 36.202966141 | -107.775084989 |
| 4,492.00                       | 70.99           | 316.070     | 4,075.14            | 388.64     | 485.67     | 1,893,203.329       | 2,740,256.448      | 36.203023836 | -107.775153035 |
| 4,523.00                       | 73.90           | 316.030     | 4,084.49            | 409.91     | 465.16     | 1,893,224.606       | 2,740,235.937      | 36.203082319 | -107.775222513 |
| 4,555.00                       | 76.54           | 315.720     | 4,092.66            | 432.12     | 443.62     | 1,893,246.814       | 2,740,214.397      | 36.203143362 | -107.775295480 |
| 4,586.00                       | 79.62           | 315.570     | 4,099.06            | 453.81     | 422.42     | 1,893,268.499       | 2,740,193.194      | 36.203202967 | -107.775367302 |
| 4,618.00                       | 82.91           | 315.330     | 4,103.92            | 476.34     | 400.24     | 1,893,291.035       | 2,740,171.009      | 36.203264914 | -107.775442455 |
| 4,650.00                       | 86.24           | 315.570     | 4,106.94            | 499.04     | 377.89     | 1,893,313.734       | 2,740,148.664      | 36.203327307 | -107.775518149 |
| 4,681.00                       | 88.63           | 315.310     | 4,108.33            | 521.11     | 356.16     | 1,893,335.799       | 2,740,126.936      | 36.203387955 | -107.775591752 |
| 4,775.00                       | 88.76           | 313.870     | 4,110.47            | 587.08     | 289.24     | 1,893,401.770       | 2,740,060.013      | 36.203569295 | -107.775818456 |
| 4,870.00                       | 88.91           | 313.300     | 4,112.40            | 652.56     | 220.44     | 1,893,467.252       | 2,739,991.214      | 36.203749292 | -107.776051521 |
| 4,964.00                       | 88.86           | 316.000     | 4,114.23            | 718.60     | 153.59     | 1,893,533.294       | 2,739,924.360      | 36.203930825 | -107.776277993 |
| 5,058.00                       | 89.80           | 316.760     | 4,115.33            | 786.65     | 88.74      | 1,893,601.338       | 2,739,859.518      | 36.204117851 | -107.776497644 |
| 5,153.00                       | 90.50           | 316.770     | 4,115.08            | 855.86     | 23.67      | 1,893,670.549       | 2,739,794.445      | 36.204308087 | -107.776718078 |
| 5,248.00                       | 90.63           | 315.850     | 4,114.14            | 924.55     | -41.95     | 1,893,739.238       | 2,739,728.827      | 36.204496888 | -107.776940359 |
| 5,342.00                       | 89.56           | 314.670     | 4,113.99            | 991.31     | -108.11    | 1,893,806.005       | 2,739,662.663      | 36.204680408 | -107.777164494 |
| 5,436.00                       | 88.31           | 313.250     | 4,115.74            | 1,056.55   | -175.76    | 1,893,871.241       | 2,739,595.015      | 36.204859726 | -107.777393666 |
| 5,530.00                       | 87.31           | 316.120     | 4,119.33            | 1,122.60   | -242.54    | 1,893,937.286       | 2,739,528.239      | 36.205041264 | -107.777619882 |
| 5,625.00                       | 90.11           | 316.480     | 4,121.47            | 1,191.25   | -308.15    | 1,894,005.944       | 2,739,462.628      | 36.205229976 | -107.777842142 |
| 5,719.00                       | 89.80           | 316.270     | 4,121.54            | 1,259.30   | -373.00    | 1,894,073.987       | 2,739,397.775      | 36.205417000 | -107.778061839 |
| 5,814.00                       | 89.31           | 316.190     | 4,122.28            | 1,327.90   | -438.72    | 1,894,142.586       | 2,739,332.059      | 36.205605552 | -107.778284457 |
| 5,908.00                       | 89.24           | 316.080     | 4,123.47            | 1,395.66   | -503.85    | 1,894,210.352       | 2,739,266.926      | 36.205791813 | -107.778505104 |
| 6,003.00                       | 89.04           | 315.830     | 4,124.89            | 1,463.94   | -569.89    | 1,894,278.630       | 2,739,200.888      | 36.205979480 | -107.778728820 |
| 6,099.00                       | 88.15           | 315.230     | 4,127.25            | 1,532.43   | -637.12    | 1,894,347.116       | 2,739,133.658      | 36.206167721 | -107.778956575 |
| 6,193.00                       | 90.06           | 316.320     | 4,128.72            | 1,599.78   | -702.67    | 1,894,414.464       | 2,739,068.107      | 36.206352835 | -107.779178642 |
| 6,287.00                       | 89.89           | 316.160     | 4,128.76            | 1,667.67   | -767.68    | 1,894,482.355       | 2,739,003.093      | 36.206539437 | -107.779398888 |
| 6,382.00                       | 89.32           | 315.650     | 4,129.41            | 1,735.89   | -833.79    | 1,894,550.580       | 2,738,936.990      | 36.206726960 | -107.779622829 |
| 6,476.00                       | 88.55           | 315.350     | 4,131.16            | 1,802.93   | -899.66    | 1,894,617.614       | 2,738,871.116      | 36.206911207 | -107.779845993 |
| 6,570.00                       | 88.07           | 314.680     | 4,133.93            | 1,869.38   | -966.08    | 1,894,684.070       | 2,738,804.696      | 36.207093868 | -107.780071016 |
| 6,665.00                       | 89.76           | 315.930     | 4,135.73            | 1,936.90   | -1,032.88  | 1,894,751.586       | 2,738,737.895      | 36.207279442 | -107.780297324 |
| 6,759.00                       | 90.54           | 315.700     | 4,135.48            | 2,004.30   | -1,098.40  | 1,894,818.991       | 2,738,672.380      | 36.207464710 | -107.780519275 |
| 6,854.00                       | 90.78           | 315.610     | 4,134.39            | 2,072.24   | -1,164.80  | 1,894,886.925       | 2,738,605.982      | 36.207651431 | -107.780744221 |
| 6,948.00                       | 91.06           | 314.840     | 4,132.88            | 2,138.96   | -1,230.99  | 1,894,953.645       | 2,738,539.785      | 36.207834814 | -107.780968489 |
| 7,043.00                       | 88.86           | 315.680     | 4,132.95            | 2,206.43   | -1,297.86  | 1,895,021.119       | 2,738,472.920      | 36.208020271 | -107.781195019 |
| 7,137.00                       | 88.77           | 315.070     | 4,134.89            | 2,273.32   | -1,363.87  | 1,895,088.006       | 2,738,406.903      | 36.208204113 | -107.781418677 |
| 7,231.00                       | 88.90           | 314.890     | 4,136.80            | 2,339.75   | -1,430.35  | 1,895,154.437       | 2,738,340.425      | 36.208386703 | -107.781643898 |
| 7,325.00                       | 89.45           | 314.700     | 4,138.16            | 2,405.97   | -1,497.05  | 1,895,220.659       | 2,738,273.727      | 36.208568720 | -107.781869868 |
| 7,419.00                       | 89.97           | 314.900     | 4,138.63            | 2,472.21   | -1,563.75  | 1,895,286.894       | 2,738,207.029      | 36.208750770 | -107.782095841 |
| 7,514.00                       | 90.58           | 314.510     | 4,138.18            | 2,539.03   | -1,631.27  | 1,895,353.721       | 2,738,139.510      | 36.208934448 | -107.782324594 |
| 7,608.00                       | 91.05           | 313.390     | 4,136.84            | 2,604.26   | -1,698.93  | 1,895,418.952       | 2,738,071.844      | 36.209113741 | -107.782553853 |
| 7,702.00                       | 88.13           | 314.570     | 4,137.51            | 2,669.53   | -1,766.57  | 1,895,484.216       | 2,738,004.213      | 36.209293125 | -107.782782990 |
| 7,797.00                       | 87.63           | 314.220     | 4,141.03            | 2,735.95   | -1,834.40  | 1,895,550.632       | 2,737,936.379      | 36.209475674 | -107.783012815 |
| 7,891.00                       | 87.43           | 313.330     | 4,145.08            | 2,800.92   | -1,902.21  | 1,895,615.603       | 2,737,868.569      | 36.209654251 | -107.783242562 |
| 7,985.00                       | 88.72           | 315.550     | 4,148.23            | 2,866.69   | -1,969.28  | 1,895,681.375       | 2,737,801.499      | 36.209835031 | -107.783469803 |
| 8,079.00                       | 89.29           | 316.590     | 4,149.87            | 2,934.38   | -2,034.48  | 1,895,749.062       | 2,737,736.295      | 36.210021063 | -107.783690715 |
| 8,174.00                       | 88.96           | 315.280     | 4,151.32            | 3,002.63   | -2,100.54  | 1,895,817.314       | 2,737,670.234      | 36.210208653 | -107.783914530 |
| 8,268.00                       | 89.22           | 314.490     | 4,152.81            | 3,068.95   | -2,167.14  | 1,895,883.640       | 2,737,603.642      | 36.210390948 | -107.784140152 |
| 8,363.00                       | 89.83           | 315.960     | 4,153.60            | 3,136.39   | -2,234.04  | 1,895,951.074       | 2,737,536.736      | 36.210576288 | -107.784366838 |
| 8,458.00                       | 90.24           | 315.790     | 4,153.54            | 3,204.58   | -2,300.18  | 1,896,019.266       | 2,737,470.595      | 36.210763712 | -107.784590929 |



## Survey Report - Geographic



|                  |                                              |                                     |                                      |
|------------------|----------------------------------------------|-------------------------------------|--------------------------------------|
| <b>Company:</b>  | Enduring Resources LLC                       | <b>Local Co-ordinate Reference:</b> | Well W Lybrook Unit No. 830H         |
| <b>Project:</b>  | San Juan County, New Mexico NAD83 NM W       | <b>TVD Reference:</b>               | RKB=6641+28 @ 6669.00ft (Ensgin 773) |
| <b>Site:</b>     | W Lybrook 730 Pad (730, 763, 830, 861 & 863) | <b>MD Reference:</b>                | RKB=6641+28 @ 6669.00ft (Ensgin 773) |
| <b>Well:</b>     | W Lybrook Unit No. 830H                      | <b>North Reference:</b>             | Grid                                 |
| <b>Wellbore:</b> | Original Hole                                | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Design:</b>   | Surveys Original Hole                        | <b>Database:</b>                    | DB_Feb2822                           |

| Survey                                               |                 |             |                     |            |            |                     |                    |              |                |
|------------------------------------------------------|-----------------|-------------|---------------------|------------|------------|---------------------|--------------------|--------------|----------------|
| Measured Depth (ft)                                  | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (usft) | Map Easting (usft) | Latitude     | Longitude      |
| 8,552.00                                             | 90.38           | 315.540     | 4,153.03            | 3,271.81   | -2,365.88  | 1,896,086.500       | 2,737,404.904      | 36.210948500 | -107.784813498 |
| 8,646.00                                             | 90.90           | 315.420     | 4,151.98            | 3,338.83   | -2,431.78  | 1,896,153.518       | 2,737,339.000      | 36.211132696 | -107.785036791 |
| 8,741.00                                             | 91.49           | 315.290     | 4,150.00            | 3,406.41   | -2,498.52  | 1,896,221.093       | 2,737,272.257      | 36.211318422 | -107.785262926 |
| 8,836.00                                             | 89.07           | 316.350     | 4,149.54            | 3,474.53   | -2,564.72  | 1,896,289.216       | 2,737,206.057      | 36.211505651 | -107.785487222 |
| 8,930.00                                             | 88.45           | 316.150     | 4,151.57            | 3,542.42   | -2,629.71  | 1,896,357.102       | 2,737,141.070      | 36.211692228 | -107.785707406 |
| 9,024.00                                             | 88.18           | 315.300     | 4,154.33            | 3,609.69   | -2,695.30  | 1,896,424.376       | 2,737,075.478      | 36.211877124 | -107.785929645 |
| 9,118.00                                             | 88.45           | 315.400     | 4,157.10            | 3,676.53   | -2,761.33  | 1,896,491.219       | 2,737,009.446      | 36.212060839 | -107.786153377 |
| 9,213.00                                             | 88.10           | 314.440     | 4,159.96            | 3,743.58   | -2,828.57  | 1,896,558.269       | 2,736,942.209      | 36.212245121 | -107.786381195 |
| 9,307.00                                             | 89.15           | 315.520     | 4,162.21            | 3,810.01   | -2,895.04  | 1,896,624.693       | 2,736,875.739      | 36.212427682 | -107.786606413 |
| 9,402.00                                             | 89.42           | 314.920     | 4,163.40            | 3,877.44   | -2,961.95  | 1,896,692.120       | 2,736,808.828      | 36.212612998 | -107.786833127 |
| 9,496.00                                             | 89.60           | 318.620     | 4,164.20            | 3,945.91   | -3,026.32  | 1,896,760.595       | 2,736,744.458      | 36.212801190 | -107.787051224 |
| 9,590.00                                             | 89.11           | 318.090     | 4,165.26            | 4,016.15   | -3,088.78  | 1,896,830.833       | 2,736,681.998      | 36.212994224 | -107.787262846 |
| 9,685.00                                             | 88.28           | 317.820     | 4,167.43            | 4,086.68   | -3,152.39  | 1,896,901.363       | 2,736,618.393      | 36.213188059 | -107.787478352 |
| 9,779.00                                             | 87.27           | 317.280     | 4,171.07            | 4,155.99   | -3,215.78  | 1,896,970.669       | 2,736,554.997      | 36.213378531 | -107.787693150 |
| 9,873.00                                             | 88.66           | 319.260     | 4,174.41            | 4,226.09   | -3,278.31  | 1,897,040.771       | 2,736,492.473      | 36.213571189 | -107.787904992 |
| 9,967.00                                             | 89.17           | 318.940     | 4,176.19            | 4,297.12   | -3,339.84  | 1,897,111.808       | 2,736,430.939      | 36.213766414 | -107.788113479 |
| 10,061.00                                            | 90.85           | 317.960     | 4,176.18            | 4,367.47   | -3,402.19  | 1,897,182.152       | 2,736,368.594      | 36.213959735 | -107.788324715 |
| 10,156.00                                            | 90.02           | 317.210     | 4,175.46            | 4,437.60   | -3,466.26  | 1,897,252.285       | 2,736,304.520      | 36.214152479 | -107.788541815 |
| 10,250.00                                            | 91.33           | 317.270     | 4,174.35            | 4,506.61   | -3,530.07  | 1,897,321.294       | 2,736,240.707      | 36.214342134 | -107.788758035 |
| 10,345.00                                            | 90.97           | 316.620     | 4,172.44            | 4,576.01   | -3,594.92  | 1,897,390.696       | 2,736,175.864      | 36.214532868 | -107.788977745 |
| 10,440.00                                            | 90.28           | 315.880     | 4,171.41            | 4,644.63   | -3,660.61  | 1,897,459.315       | 2,736,110.175      | 36.214721455 | -107.789200325 |
| 10,534.00                                            | 89.83           | 315.500     | 4,171.31            | 4,711.90   | -3,726.27  | 1,897,526.578       | 2,736,044.513      | 36.214906315 | -107.789422818 |
| 10,629.00                                            | 89.51           | 315.720     | 4,171.86            | 4,779.78   | -3,792.72  | 1,897,594.464       | 2,735,978.058      | 36.215092885 | -107.789647998 |
| 10,723.00                                            | 89.52           | 315.350     | 4,172.66            | 4,846.86   | -3,858.57  | 1,897,661.547       | 2,735,912.216      | 36.215277250 | -107.789871102 |
| 10,817.00                                            | 89.36           | 315.000     | 4,173.58            | 4,913.53   | -3,924.83  | 1,897,728.214       | 2,735,845.955      | 36.215460472 | -107.790095630 |
| 10,911.00                                            | 89.61           | 314.990     | 4,174.42            | 4,979.99   | -3,991.30  | 1,897,794.673       | 2,735,779.484      | 36.215643124 | -107.790320870 |
| 11,006.00                                            | 89.60           | 314.280     | 4,175.08            | 5,046.74   | -4,058.90  | 1,897,861.417       | 2,735,711.884      | 36.215826557 | -107.790549936 |
| 11,100.00                                            | 90.00           | 313.870     | 4,175.40            | 5,112.12   | -4,126.43  | 1,897,926.803       | 2,735,644.353      | 36.216006259 | -107.790778776 |
| 11,195.00                                            | 90.16           | 313.820     | 4,175.27            | 5,177.93   | -4,194.95  | 1,897,992.610       | 2,735,575.838      | 36.216187120 | -107.791010950 |
| 11,289.00                                            | 90.07           | 312.840     | 4,175.08            | 5,242.43   | -4,263.32  | 1,898,057.111       | 2,735,507.462      | 36.216364394 | -107.791242655 |
| 11,384.00                                            | 89.57           | 315.410     | 4,175.38            | 5,308.57   | -4,331.51  | 1,898,123.247       | 2,735,439.275      | 36.216546155 | -107.791473717 |
| 11,478.00                                            | 89.80           | 315.190     | 4,175.90            | 5,375.38   | -4,397.63  | 1,898,190.061       | 2,735,373.157      | 36.216729777 | -107.791697766 |
| 11,573.00                                            | 90.23           | 314.730     | 4,175.87            | 5,442.51   | -4,464.85  | 1,898,257.188       | 2,735,305.936      | 36.216914263 | -107.791925557 |
| 11,667.00                                            | 90.50           | 314.490     | 4,175.27            | 5,508.52   | -4,531.77  | 1,898,323.201       | 2,735,239.018      | 36.217095684 | -107.792152320 |
| 11,762.00                                            | 90.66           | 313.700     | 4,174.31            | 5,574.62   | -4,599.99  | 1,898,389.303       | 2,735,170.795      | 36.217277351 | -107.792383511 |
| 11,856.00                                            | 88.92           | 315.660     | 4,174.66            | 5,640.71   | -4,666.82  | 1,898,455.392       | 2,735,103.963      | 36.217458982 | -107.792609986 |
| 11,951.00                                            | 89.37           | 315.540     | 4,176.08            | 5,708.58   | -4,733.28  | 1,898,523.259       | 2,735,037.503      | 36.217645495 | -107.792835200 |
| 12,045.00                                            | 89.48           | 314.780     | 4,177.02            | 5,775.23   | -4,799.56  | 1,898,589.908       | 2,734,971.224      | 36.217828663 | -107.793059798 |
| 12,139.00                                            | 89.77           | 314.340     | 4,177.63            | 5,841.18   | -4,866.54  | 1,898,655.862       | 2,734,904.250      | 36.218009921 | -107.793286761 |
| 12,233.00                                            | 90.13           | 314.520     | 4,177.72            | 5,906.99   | -4,933.66  | 1,898,721.665       | 2,734,837.124      | 36.218190765 | -107.793514236 |
| 12,327.00                                            | 90.08           | 313.670     | 4,177.54            | 5,972.39   | -5,001.17  | 1,898,787.075       | 2,734,769.615      | 36.218370525 | -107.793743011 |
| 12,422.00                                            | 90.85           | 313.390     | 4,176.77            | 6,037.82   | -5,070.04  | 1,898,852.501       | 2,734,700.742      | 36.218550336 | -107.793976414 |
| 12,516.00                                            | 91.53           | 313.390     | 4,174.82            | 6,102.38   | -5,138.34  | 1,898,917.061       | 2,734,632.448      | 36.218727764 | -107.794207855 |
| 12,611.00                                            | 91.84           | 313.040     | 4,172.03            | 6,167.40   | -5,207.54  | 1,898,982.083       | 2,734,563.243      | 36.218906461 | -107.794442384 |
| Survey @ 12611.00 MD 4172.03 TVD                     |                 |             |                     |            |            |                     |                    |              |                |
| 12,636.00                                            | 91.84           | 313.040     | 4,171.22            | 6,184.46   | -5,225.80  | 1,898,999.137       | 2,734,544.981      | 36.218953330 | -107.794504274 |
| LTP @ 12636 MD 4171.22 TVD                           |                 |             |                     |            |            |                     |                    |              |                |
| 12,659.00                                            | 91.84           | 313.040     | 4,170.49            | 6,200.15   | -5,242.61  | 1,899,014.826       | 2,734,528.179      | 36.218996449 | -107.794561214 |
| 330 perp @ 12659.00 MD 4170.49 TVD                   |                 |             |                     |            |            |                     |                    |              |                |
| 12,753.00                                            | 91.84           | 313.040     | 4,167.47            | 6,264.27   | -5,311.27  | 1,899,078.949       | 2,734,459.512      | 36.219172675 | -107.794793922 |
| Survey Proj. to 1275 MD 4167.47 TVD 165 FNL 2503 FWL |                 |             |                     |            |            |                     |                    |              |                |



## Survey Report - Geographic



|                  |                                              |                                     |                                      |
|------------------|----------------------------------------------|-------------------------------------|--------------------------------------|
| <b>Company:</b>  | Enduring Resources LLC                       | <b>Local Co-ordinate Reference:</b> | Well W Lybrook Unit No. 830H         |
| <b>Project:</b>  | San Juan County, New Mexico NAD83 NM W       | <b>TVD Reference:</b>               | RKB=6641+28 @ 6669.00ft (Ensgin 773) |
| <b>Site:</b>     | W Lybrook 730 Pad (730, 763, 830, 861 & 863) | <b>MD Reference:</b>                | RKB=6641+28 @ 6669.00ft (Ensgin 773) |
| <b>Well:</b>     | W Lybrook Unit No. 830H                      | <b>North Reference:</b>             | Grid                                 |
| <b>Wellbore:</b> | Original Hole                                | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Design:</b>   | Surveys Original Hole                        | <b>Database:</b>                    | DB_Feb2822                           |

| Casing Points       |                     |      |                     |                   |
|---------------------|---------------------|------|---------------------|-------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Casing Diameter (") | Hole Diameter (") |
| 2,522.00            | 2,458.94            |      | 9-5/8               | 12-1/4            |

| Design Annotations  |                     |                   |            |                                                      |
|---------------------|---------------------|-------------------|------------|------------------------------------------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates |            | Comment                                              |
|                     |                     | +N/-S (ft)        | +E/-W (ft) |                                                      |
| 431.00              | 430.99              | 1.63              | -2.07      | MWD surveys                                          |
| 2,522.00            | 2,458.94            | -57.19            | 307.46     | 9 5/8" Casing @ 2522.00 MD 2458.94 TVD               |
| 4,437.00            | 4,055.00            | 351.64            | 521.01     | FTP Cms top @ 4437 MD 4055 TVD                       |
| 12,611.00           | 4,172.03            | 6,167.40          | -5,207.54  | Survey @ 12611.00 MD 4172.03 TVD                     |
| 12,636.00           | 4,171.22            | 6,184.46          | -5,225.80  | LTP @ 12636 MD 4171.22 TVD                           |
| 12,659.00           | 4,170.49            | 6,200.15          | -5,242.61  | 330 perp @ 12659.00 MD 4170.49 TVD                   |
| 12,753.00           | 4,167.47            | 6,264.27          | -5,311.27  | Survey Proj. to 1275 MD 4167.47 TVD 165 FNL 2503 FWL |



**ENDURING RESOURCES IV, LLC**  
**6300 S SYRACUSE WAY, SUITE 525**  
**CENTENNIAL, COLORADO 80111**

**DRILLING PLAN:** *Drill, complete, and equip single lateral in the Mancos-Cms formation*

**WELL INFORMATION:**

**Name:** W LYBROOK UNIT 830H

**API Number:** 30-045-35814

**AFE Number:** DV03067

**ER Well Number:** NM08073.01

**State:** New Mexico

**County:** San Juan

**Surface Elevation:** 6,641 ft ASL (GL) 6,669 ft ASL (KB)

**Surface Location:** 27-23N-09W Sec-Twn-Rng 1,161 ft FNL 2,446 ft FWL

36.201957 ° N latitude 107.7768 ° W longitude (NAD 83)

**BH Location:** 21-23N-09W Sec-Twn-Rng 223 ft FNL 2,587 ft FWL

36.219026 ° N latitude 107.794511 ° W longitude (NAD 83)

**Driving Directions:** FROM THE INTERSECTION OF US HWY 550 & US HWY 64 IN BLOOMFIELD, NM:

South on US Hwy 550 for 38.3 miles to MM 113.4, Right (Southwest) on CR #7890 for 0.8 miles to fork, Left (South) remaining on CR #7890 for 1.3 miles to 4-way intersection, Left (Southeast) remaining on CR #7890 for 0.6 miles to fork, Right (Southwest) on CR #7890 for 0.5 miles to fork, Right (West) exiting CR #7890 onto access road for W Lybrook Unit 720H pad for 0.6 miles to fork, Left (West) onto access road for W Lybrook Unit 726H pad for 0.7 miles to fork, Left (West) for 1.4 miles to fork. Left (Southeast) for 0.6 miles to W Lybrook Unit 730H Pad (wells: 730H, 763H, 830H, 861H, 863H).

**GEOLOGIC AND RESERVOIR INFORMATION:**

| <b>Prognosis:</b> | <b>Formation Tops</b> | <b>TVD (ft ASL)</b> | <b>TVD (ft KB)</b> | <b>MD (ft KB)</b> | <b>O / G / W</b> | <b>Pressure</b> |
|-------------------|-----------------------|---------------------|--------------------|-------------------|------------------|-----------------|
|                   | Ojo Alamo             | 6,475               | 194                | 194               | W                | normal          |
|                   | Kirtland              | 6,370               | 299                | 299               | W                | normal          |
|                   | Fruitland             | 6,160               | 509                | 509               | G, W             | sub             |
|                   | Pictured Cliffs       | 5,763               | 906                | 906               | G, W             | sub             |
|                   | Lewis                 | 5,650               | 1,019              | 1,019             | G, W             | normal          |
|                   | Chacra                | 5,405               | 1,264              | 1,264             | G, W             | normal          |
|                   | Cliff House           | 4,380               | 2,289              | 2,324             | G, W             | sub             |
|                   | Menefee               | 4,355               | 2,314              | 2,351             | G, W             | normal          |
|                   | Point Lookout         | 3,365               | 3,304              | 3,445             | G, W             | normal          |
|                   | Mancos                | 3,210               | 3,459              | 3,612             | O,G              | sub (~0.38)     |
|                   | Gallup (MNCS_A)       | 2,885               | 3,784              | 3,958             | O,G              | sub (~0.38)     |
|                   | MNCS_B                | 2,780               | 3,889              | 4,088             | O,G              | sub (~0.38)     |
|                   | MNCS_C                | 2,690               | 3,979              | 4,222             | O,G              | sub (~0.38)     |
|                   | MNCS_Cms              | 2,647               | 4,022              | 4,303             | O,G              | sub (~0.38)     |
|                   | FTP (LP) TARGET       | 2,547               | 4,122              | 4,650             | O,G              | sub (~0.38)     |
|                   | LTP (TD) TARGET       | 2,486               | 4,183              | 12,745            | O,G              | sub (~0.38)     |

**Surface:** Nacimiento

**Oil & Gas Zones:** Several gas bearing zones will be encountered; target formation is the Gallup

**Pressure:** Normal (0.43 psi/ft) or sub-normal pressure gradients anticipated in all formations

Max. pressure gradient: 0.43 psi/ft Evacuated hole gradient: 0.22 psi/ft

**Maximum anticipated BH pressure, assuming maximum pressure gradient:** 1,800 psi

**Maximum anticipated surface pressure, assuming partially evacuated hole:** 880 psi

**Temperature:** Maximum anticipated BHT is 125° F or less

**H<sub>2</sub>S INFORMATION:**

**H<sub>2</sub>S Zones:** Encountering hydrogen-sulfide bearing zones is **NOT** anticipated.

**Safety:** Sensors and alarms will be placed in the substructure, on the rig floor, above the pits, and at the shakers.

**LOGGING, CORING, AND TESTING:**

**Mud Logs:** None planned; remote geo-steering from drill out of 9-5/8" casing to TD; gas detection from drillout of 13-3/8" casing to TD.

**MWD / LWD:** Gamma Ray from drillout of 13-3/8" casing to TD

**Open Hole Logs:** None planned

**Testing:** None planned

**Coring:** None planned

**Cased Hole Logs:** CBL on 5-1/2" casing from deepest free-fall depth to surface

#### DRILLING RIG INFORMATION:

**Contractor:** Ensign

**Rig No.:** 773

**Draw Works:** Pacific Rim 1500AC

**Mast:** ADR 1500S Cantilever Triple (142 ft, 800,000 lbs, 12 lines)

**Top Drive:** Tesco 500-ESI-1350 (500 ton, 1,350 hp)

**Prime Movers:** 3 - CAT 3512 (1,475 hp)

**Pumps:** 3 - Gardner-Denver PZ11 (7,500 psi)

**BOPE 1:** Cameron single gate ram (pipe) & double gate ram (pipe & blind) (13-5/8", 10,000 psi)

**BOPE 2:** Cameron annular (13-5/8", 5,000 psi)

**Choke** 3", 10,000 psi

**KB-GL (ft):** 28

**NOTE:** A different rig may be used to drill the well depending on rig availability

#### BOPE REQUIREMENTS:

*See attached diagram for details regarding BOPE specifications and configuration.*

- 1) Rig will be equipped with upper and lower kelly cocks with handles available.
- 2) Inside BOP and TIW valves will be available to use on all sizes and threads of drill pipe used while drilling the well.
- 3) BOP accumulator will have enough capacity to open the HCR valve, close all rams and annular preventer, and retain minimum of 200 psi above precharge on the closing manifold without the use of closing pumps. The fluid reservoir capacity shall be at least double the usable fluid volume of the accumulator system capacity, and the fluid level shall be maintained at manufacturer's recommendation. There will be two additional sources of power for the closing pumps (electric and air). Sufficient nitrogen bottles will be available and will be recharged when pressure falls below manufacturer's recommended minimum.
- 4) BOP testing shall be conducted (a) when initially installed, (b) whenever any seal is broken or repaired, (c) if the time since the previous test exceeds 30 days. Tests will be conducted using a test plug. BOP ram preventers will be tested to 3,000 psig for 10 minutes, and the annular preventer will be tested to 1,500 psi for 10 minutes. Ram and annular preventers will be tested to 250 psi for 5 minutes. Additionally, BOP and casing strings will be tested to .22 psi/ft or 1,500 psi, whichever is greater but not exceeding 70% of yield strength of the casing, for 30 minutes, prior to drilling out 13-3/8" and 9-5/8" casing. Rams and hydraulically operated remote choke line valve will be function tested daily at a minimum.
- 5) Remote valve for BOP rams, HCR, and choke shall be placed in a location that is readily available to the driller. The remote BOP valve shall be capable of closing and opening the rams.
- 6) Manual locking devices (hand wheels) shall be installed on rams. A valve will be installed on the annular preventer's closing line as close as possible to the preventer to act as a locking device. The valve will be maintained in the open position and shall only be closed when there is no power to the accumulator.

#### FLUIDS AND SOLIDS CONTROL PROGRAM:

**Fluid Measurement:** Pumps shall be equipped with stroke counters with displays in the dog-house. Slow pump speed shall be recorded daily and after mudding up, at a minimum, on the drilling report. A Pit Volume Totalizer will be installed and the readout will be displayed in the dog-house. Gas-detecting equipment will be installed at the shakers, and readouts will be available in the dog-house and the in the geologist's work-station (if geologist or mud-logger is on-site).

**Closed-Loop System:** A fully, closed-loop system will be utilized. The system will consist of above-ground piping and above-ground storage tanks and bins. The system will not entail any earthen pits, below-grade storage, or drying pads. All equipment will be disassembled and removed from the site when drilling operations cease. The system will be capable of storing all fluids and generated cuttings and of preventing uncontrolled releases of the same. The system will be operated in an efficient manner to allow the recycling and reuse of as much fluid as possible and to minimize the amount of fluids and solids that require disposal.

**Fluid Disposal:** Fluids that cannot be reused, recycled, or returned to the supplier will be hauled to and disposed of at an approved disposal site (Industrial Ecosystem, Inc. or Envirotech, Inc.).

**Solids Disposal:** Drilling solids will be stored (until haul-off) on-site in separate containers with no other waste, debris, or garbage products. Waste solids will be hauled to and disposed of at an approved disposal site (Industrial Ecosystem, Inc. or Envirotech, Inc.).

**Fluid Program:** See "Detailed Drilling Plan" section for specifics and fluid program from Newpark. Sufficient weighting agent will be on location to weight up mud system to balance the maximum expected pressure gradient.

#### DETAILED DRILLING PLAN:

**SURFACE:** *Drill vertically to casing setting depth (plus necessary rathole), run casing, cement casing to surface.*

|           |    |             |                      |        |
|-----------|----|-------------|----------------------|--------|
| 0 ft (MD) | to | 350 ft (MD) | Hole Section Length: | 350 ft |
|-----------|----|-------------|----------------------|--------|

|            |    |              |                  |        |
|------------|----|--------------|------------------|--------|
| 0 ft (TVD) | to | 350 ft (TVD) | Casing Required: | 350 ft |
|------------|----|--------------|------------------|--------|

Note: Surface hole may be drilled, cased, and cemented with a smaller rig in advance of the drilling rig.

| Fluid: | Type        | MW (ppg) | FL (mL/30 min) | PV (cp) | YP (lb/100 sqft) | pH  | Comments |
|--------|-------------|----------|----------------|---------|------------------|-----|----------|
|        | Fresh Water | 8.4      | N/C            | 2 - 8   | 2 - 12           | 9.0 | Spud mud |

Hole Size: 17-1/2"

Bit / Motor: Mill Tooth or PDC, no motor

MWD / Survey: No MWD, deviation survey

Logging: None

Procedure: Drill to TD. Use 12-1/4" bit and open to 17-1/2" if unable to drill with 17-1/2" bit. Run inclination survey in 100' stations from TD to surface. Condition hole and fluid for casing running as required. TOOH. Run casing. Pump cement as detailed below. Monitor returns during cement job and note cement volume to surface. Install cellar and wellhead.

| Casing Specs: |        | Wt (lb/ft) | Grade | Conn. | Collapse (psi) | Burst (psi) | Tens. Body (lbs) | Tens. Conn (lbs) |
|---------------|--------|------------|-------|-------|----------------|-------------|------------------|------------------|
| Specs         | 13.375 | 54.5       | J-55  | BTC   | 1,130          | 2,730       | 853,000          | 909,000          |
| Loading       |        |            |       |       | 153            | 537         | 116,634          | 116,634          |
| Min. S.F.     |        |            |       |       | 7.39           | 5.08        | 7.31             | 7.79             |

Assumptions: Collapse: fully evacuated casing with 8.4 ppg equivalent external pressure gradient

Burst: maximum anticipated surface pressure with 9.5 ppg fluid inside casing while drilling

intermediate hole and 8.4 ppg equivalent external pressure gradient

Tension: buoyed weight in 8.4 ppg fluid with 100,000 lbs over-pull

MU Torque (ft lbs): Minimum: N/A Optimum: N/A Maximum: N/A

Make-up as per API Buttress Connection running procedure.

Casing Summary: Float shoe, 1 jt casing, float collar, casing to surface

Centralizers: 2 centralizers per jt stop-banded 10' from each collar on bottom 3 jts, 1 centralizer per 2 jts to surface

| Cement: | Type     | Weight (ppg) | Yield (cuft/sk) | Water (gal/sk) | Hole Cap. (cuft/ft) | % Excess | Planned TOC (ft MD) | Total Cmt (sx) |
|---------|----------|--------------|-----------------|----------------|---------------------|----------|---------------------|----------------|
|         | Type III | 14.6         | 1.39            | 6.686          | 0.6946              | 100%     | 0                   | 350            |

Calculated cement volumes assume gauge hole and the excess noted in table

Drake Energy Services surface cementing blend

Notify NMOCD & BLM if cement is not circulated to surface. Cement must achieve 500 psi compressive strength before drilling out.

INTERMEDIATE: Drill as per directional plan to casing setting depth, run casing, cement casing to surface.

|              |    |                 |                      |          |
|--------------|----|-----------------|----------------------|----------|
| 350 ft (MD)  | to | 2,517 ft (MD)   | Hole Section Length: | 2,167 ft |
| 350 ft (TVD) | to | 2,464 ft (TVD)* | Casing Required:     | 2,517 ft |

\*TARGET CSG SHOE DEPTH IS 150' TVD BELOW MENEFE TOP

| Fluid: | Type       | MW (ppg)  | FL (mL/30 min) | PV (cp) | YP (lb/100 sqft) | pH        | Comments |
|--------|------------|-----------|----------------|---------|------------------|-----------|----------|
|        | LSND (KCI) | 8.8 - 9.5 | 20             | 8 - 14  | 8 - 14           | 9.0 - 9.5 |          |

Hole Size: 12-1/4"

Bit / Motor: PDC w/mud motor

Bit / Motor (Detail): MOTOR: NOV 087840 - 7/8, 4.0, stage, 0.16 rev/gal, 1.83 DEG, 900 GPM, 950 DIFF PSIG

BIT: 5- or 6-BLADE PDC w/16 mm or 19 mm cutters, target TFA 0.65 - 1.0 max); 6 - 14s = 0.902 sq-in TFA

MWD / Survey: MWD Survey with inclination and azimuth survey (every 100' at a minimum), GR optional

Logging: None

Pressure Test: NU BOPE and test (as noted above); pressure test 13-3/8" casing to 1,500 psi for 30 minutes.

Procedure: Drill to TD following directional plan (20' rat-hole (MAX) past casing setting depth). Steer as needed to keep well on plan. Keep DLS < 3 deg/100' and keep slide length < 10', when possible. Take surveys every stand, at a minimum. Target flow-rates of 750 GPM (higher if able to control return rates). Minimum desired flow-rate is 650 GPM. At TD, condition hole and fluid for casing running. TOOH. Run casing using a CRT and washing / circulating as required. Land casing. ND BOPE. Walk rig to next well. Perform off-line cement job, if possible. Pump cement as detailed below. Monitor returns during cement job and note cement volume to surface.

| Casing Specs: |       | Wt (lb/ft) | Grade | Conn. | Collapse (psi) | Burst (psi) | Tens. Body (lbs) | Tens. Conn (lbs) |
|---------------|-------|------------|-------|-------|----------------|-------------|------------------|------------------|
| Specs         | 9.625 | 36.0       | J-55  | LTC   | 2,020          | 3,520       | 564,000          | 453,000          |
| Loading       |       |            |       |       | 1,076          | 1,021       | 179,018          | 179,018          |
| Min. S.F.     |       |            |       |       | 1.88           | 3.45        | 3.15             | 2.53             |

Assumptions: Collapse: fully evacuated casing with 8.4 ppg equivalent external pressure gradient

Burst: maximum anticipated surface pressure with 9.5 ppg fluid inside casing while drilling production hole and 8.4 ppg equivalent external pressure gradient

Tension: buoyed weight in 8.4 ppg fluid with 100,000 lbs over-pull

MU Torque (ft lbs): Minimum: 3,400 Optimum: 4,530 Maximum: 5,660

**Casing Summary:** Float shoe, 1 jt casing, float collar, casing to surface (**FLOAT EQUIPMENT FROM WEATHERFORD**)

**Centralizers:** 1 centralizers jt stop-banded 10' from float shoe on bottom 1 jt & 1 centralizer floating on bottom joint, 1 centralizer per jt (floating) to KOP ; 1 centralizer per 2 jts (floating) to surface (**CENTRALIZERS FROM ARSENAL - SLIP'N'SLIDE 9-5/8" x 12" SOLID BODY POLYMER**)

| Cement:          | Type           | Weight (ppg)                           | Yield (cuft/sk) | Water (gal/sk) | % Excess | Planned TOC (ft MD) | Total Cmt (sx) |
|------------------|----------------|----------------------------------------|-----------------|----------------|----------|---------------------|----------------|
| Lead             | III:POZ Blend  | 12.5                                   | 2.140           | 12.05          | 70%      | 0                   | 474            |
| Tail             | Type III       | 14.6                                   | 1.38            | 6.64           | 20%      | 2,017               | 136            |
| Annular Capacity | 0.3627 cuft/ft | 9-5/8" casing x 13-3/8" casing annulus |                 |                |          |                     |                |
|                  | 0.3132 cuft/ft | 9-5/8" casing x 12-1/4" hole annulus   |                 |                |          |                     |                |

Calculated cement volumes assume gauge hole and the excess noted in table

Drake Energy Services Intermediate Cementing Program

**Notify NMOCD & BLM if cement is not circulated to surface. Cement must achieve 500 psi compressive strength before drilling out.**

**PRODUCTION:** Drill to TD following directional plan, run casing, cement casing to surface.

|                |    |                |                      |           |
|----------------|----|----------------|----------------------|-----------|
| 2,517 ft (MD)  | to | 12,745 ft (MD) | Hole Section Length: | 10,228 ft |
| 2,464 ft (TVD) | to | 4,183 ft (TVD) | Casing Required:     | 12,745 ft |

|                                |               |                |
|--------------------------------|---------------|----------------|
| Estimated KOP:                 | 3,491 ft (MD) | 3,345 ft (TVD) |
| Estimated Landing Point (FTP): | 4,650 ft (MD) | 4,122 ft (TVD) |
| Estimated Lateral Length:      | 8,095 ft (MD) |                |

| Fluid: | Type | MW (ppg)  | FL (mL/30') | PV (cp) | YP (lb/100 sqft) | ES   | OWR   |
|--------|------|-----------|-------------|---------|------------------|------|-------|
|        | OBM  | 8.7 - 9.0 | 10 - 15     | 10 - 20 | 6 - 10           | 500+ | 80:20 |

**Fluids / Solids Notes:** OptiDrill OBM system will be built from previous well. Ensure that drying shakers are rigged up after the rig (2nd set) of shakers. Solids control will burn retorts on cuttings samples one per tour to check % ROC. Add diesel and products as required to maintain mud in program specs. Reference Newpark's mud program for additional details.

**Hole Size:** 8-1/2"

**Bit / Motor:** PDC w/mud motor

**Bit / Motor (Detail):** **MOTOR:** NOV 077857 - 7/8, 5.7, stage, 0.23 rev/gal, 1.83 - 2.12 DEG, 750 GPM, 1,580 DIFF PSIG (or similar); on demand friction breaking device(s) as required, bottom tool spaced ~3,000' behind the bit.

**BIT:** 5-BLADE PDC w/16 mm - 19 mm cutters, matrix body, target TFA = 1.0 - 1.5 sq-in

**MWD / Survey:** MWD with GR, inclination, and azimuth (survey every joint from KOP to Landing Point and survey every 100' minimum before KOP and after Landing Point)

**Logging:** GR MWD for entire section, no mud-log or cuttings sampling, no OH WL logs

**Pressure Test:** NU BOPE and test (as noted above); pressure test 9-5/8" casing to 1,500 psi for 30 minutes.

**Procedure:** Drill to KOP following directional plan. Target flow-rate is 650 - 700 GPM. Target differential is pressure is 700 - 1,000 psig. Target ROP 500 - 600 ft/hr. Steer as needed to keep well on plan. Keep DLS < 3 deg/100' and keep slide length < 10' until KOP, when feasible. Take surveys every stand, at a minimum. Confirm landing target, planned BUR for curve, and KOP with Geology and Engineering. Drill curve following directional plan and updated landing target. Take survey every joint during curve. Land curve. Continue drilling in lateral section, steering as needed to keep well on plan and in the target window. Keep DLS < 2 deg/100' and keep slide length < 20', when feasible. Take surveys every stand, at a minimum. **Target rotating parameters / performance: flow-rate is 650 - 700 GPM, differential is pressure is 700 - 1,000 psig, ROP 500 - 600 ft/hr, torque 38K ft-lbs (MAX drill pipe MUT).** After reaching TD, perform clean-up cycle to condition hole for casing running. Spot lube as required and TOO (ROOH, if required; should NOT be required with OBM system). Run casing as described below. Use CRT for casing running only if necessary (should NOT be required with OBM). Verify make up torque when running casing. Space out casing getting the toe sleeve as close to LTP as possible. Land casing and test pack-off. Open floatation sub, fill casing, and circulate as required. Nipple down BOPE, walk rig to next well, and perform off-line cement job. Pump cement as detailed below. Note cement volume circulated to surface.

| Casing Specs: | Size (in) | Wt (lb/ft) | Grade | Conn. | Collapse (psi) | Burst (psi) | Tens. Body (lbs) | Tens. Conn (lbs) |
|---------------|-----------|------------|-------|-------|----------------|-------------|------------------|------------------|
| Specs         | 5.500     | 17.0       | P-110 | LTC   | 7,460          | 10,640      | 546,000          | 445,000          |
| Loading       |           |            |       |       | 2,066          | 8,892       | 336,962          | 336,962          |
| Min. S.F.     |           |            |       |       | 3.61           | 1.20        | 1.62             | 1.32             |

Assumptions: Collapse: fully evacuated casing with 9.5 ppg fluid in the annulus (floating casing during running)

Burst: 8,500 psi maximum surface treating pressure with 10.2 ppg equivalent mud weight sand laden fluid with 8.4 ppg equivalent external pressure gradient

Tension: buoyed weight in 9.0 ppg fluid with 150,000 lbs over-pull

MU Torque (ft lbs): Minimum: 3,470 Optimum: 4,620 Maximum: 5,780

**Casing Summary:** Float shoe, 1 jt casing, float collar w/debris catcher, 1 jt casing, float collar (WFT float equipment), 20' marker joint, toe-initiation sleeve (WFT RD 8,500 psi), casing to KOP with 20' marker joints spaced evenly in lateral every ~2,000', floatation sub (NCS Air-Lock 4,500 psi from WFT), casing to surface. The toe-initiation sleeve shall be placed no closer to the unit boundary than 100' measured along the azimuth of the well or 330' measured perpendicular to the the azimuth of the well. **Note: the LTP is the maximum depth of the toe sleeve and is noted on the Well Plan. Drill past the LTP as required for necessary rat-hole and shoe-track length to place the toe sleeve as close to (but not past) the planned LTP as possible.**

**Centralizers:** Centralizer count and placement may be adjusted based on well conditions and as-drilled surveys (ARSENAL

Lateral: 1 centralizer per joint

POE to 9-5/8" shoe: 1 centralizer per joint

9-5/8" shoe to surface: 1 centralizer per 2 joints

|                  | Type           | Weight (ppg)                          | Yield (cuft/sk) | Water (gal/sk) | % Excess | Planned TOC (ft MD) | Total Cmt (sx) |
|------------------|----------------|---------------------------------------|-----------------|----------------|----------|---------------------|----------------|
| <b>Cement:</b>   |                |                                       |                 |                |          |                     |                |
| Lead             | Type III       | 12.4                                  | 2.360           | 13.40          | 65%      | 0                   | 462            |
| Tail             | G:POZ blend    | 13.3                                  | 1.560           | 7.70           | 10%      | 3,612               | 1,475          |
| Annular Capacity | 0.2691 cuft/ft | 5-1/2" casing x 9-5/8" casing annulus |                 |                |          |                     |                |
|                  | 0.2291 cuft/ft | 5-1/2" casing x 8-1/2" hole annulus   |                 |                |          |                     |                |

Calculated cement volumes assume gauge hole and the excess noted in table

American Cementing Liner & Production Blend

**Notify NMOCD & BLM if cement is not circulated to surface.**

**Note:** This well will not be considered an unorthodox well location as defined by NMAC 19.15.16.15.C.5. As defined in NMAC 19.15.16.15.C.1.a and 19.15.16.15.C.1.b, no point in the completed interval shall be closer to the unit boundary than 100' measured along the azimuth of the well or 330' measured perpendicular to the azimuth well. The boundaries of the completed interval, as defined by NMAC 19.15.16.7.B, are the last take point and first take point, as defined by NMAC 19.15.16.7.E and NMAC 19.15.16.7.J, respectively. In the case of this well, the last take point will be the bottom toe-initiation sleeve, and the first take point will be the top perforation. **Neither the bottom toe-initiation sleeve nor the top perforation shall be closer to the unit boundary than 100' measured along the azimuth of the well or 330' measured perpendicular to the azimuth of the well.**

**FINISH WELL:** ND BOP, cap well, RDMO.

**Procedure:** ND BOP. Walk rig to next well. Cement off-line. Cap well.

#### COMPLETION AND PRODUCTION PLAN:

**Frac:** 35 plug-and-perf stages with 245,000 bbls slickwater fluid and 15,000,000 lbs of proppant (estimated)

**Flowback:** Flow back through production tubing as pressures allow (ESP may be used for load recovery assistance)

**Production:** Produce through production tubing via gas-lift into permanent production and storage facilities

#### ESTIMATED START DATES:

**Drilling:** 3/11/2022

**Completion:** 4/30/2022

**Production:** 6/19/2022

**Prepared by:** Alec Bridge 1/21/2020

**Updated by:** Alec Bridge 11/12/2021 - updated BHL and directional plan for combination unit (LL increase 691')

**Updated by:** Alec Bridge 1/20/2022 - updated drilling prog & AFE information for 2022 drilling program

Alec Bridge 2/10/2022 - corrected FTP MD to match directional (4,558' MD); previous prog incorrectly had 4717' MD as the FTP

Alec Bridge 3/11/2022 - updated tops & directional plan to final geo-prog; updated 9-5/8" casing point; updated mud system; updated cement volumes

**WELL NAME:** W LYBROOK UNIT 830H  
**OBJECTIVE:** Drill, complete, and equip single lateral in the Mancos-Cms formation  
**API Number:** 30-045-35814  
**AFE Number:** DV03067  
**ER Well Number:** NM08073.01  
**State:** New Mexico  
**County:** San Juan  
**Surface Elev.:** 6,641 ft ASL (GL) 6,669 ft ASL (KB)  
**Surface Location:** 27-23N-09W Sec-Twn- Rng 1,161 ft FNL 2,446 ft FWL  
**BH Location:** 21-23N-09W Sec-Twn- Rng 223 ft FNL 2587 ft FWL  
**Driving Directions:** FROM THE INTERSECTION OF US HWY 550 & US HWY 64 IN BLOOMFIELD, NM:

| QUICK REFERENCE |             |
|-----------------|-------------|
| Sur TD (MD)     | 350 ft      |
| Int TD (MD)     | 2,517 ft    |
| KOP (MD)        | 3,491 ft    |
| KOP (TVD)       | 3,345 ft    |
| Target (TVD)    | 4,122 ft    |
| Curve BUR       | 10 °/100 ft |
| POE (MD)        | 4,650 ft    |
| TD (MD)         | 12,745 ft   |
| Lat Len (ft)    | 8,095 ft    |

South on US Hwy 550 for 38.3 miles to MM 113.4, Right (Southwest) on CR #7890 for 0.8 miles to fork, Left (South) remaining on CR #7890 for 1.3 miles to 4-way intersection, Left (Southeast) remaining on CR #7890 for 0.6 miles to fork, Right (Southwest) on CR #7890 for 0.5 miles to fork, Right (West) exiting CR #7890 onto access road for W Lybrook Unit 720H pad for 0.6 miles to fork, Left (West) onto access road for W Lybrook Unit 726H pad for 0.7 miles to fork, Left (West) for 1.4 miles to fork. Left (Southeast) for 0.6 miles to W Lybrook Unit 730H Pad (wells: 730H, 763H, 830H, 861H, 863H).

**WELL CONSTRUCTION SUMMARY:**

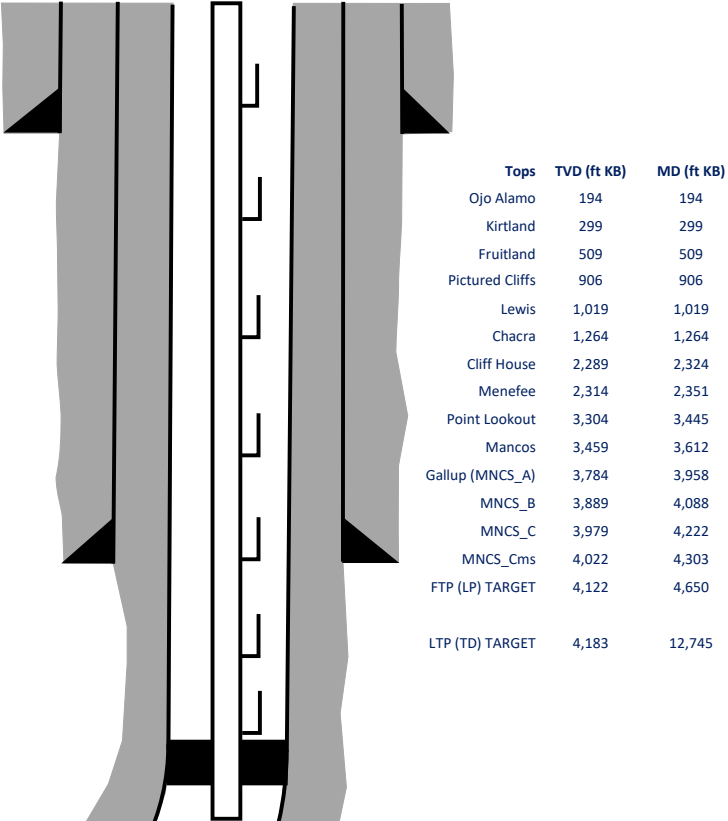
|              | Hole (in) | TD MD (ft) | Csg (in) | Csg (lb/ft) | Csg (grade) | Csg (conn) | Csg Top (ft) | Csg Bot (ft) |
|--------------|-----------|------------|----------|-------------|-------------|------------|--------------|--------------|
| Surface      | 17.500    | 350        | 13.375   | 54.5        | J-55        | BTC        | 0            | 350          |
| Intermediate | 12.250    | 2,517      | 9.625    | 36.0        | J-55        | LTC        | 0            | 2,517        |
| Production   | 8.500     | 12,745     | 5.500    | 17.0        | P-110       | LTC        | 0            | 12,745       |

**CEMENT PROPERTIES SUMMARY:**

|               | Type          | Wt (ppg) | Yd (cuft/sk) | Wtr (gal/sk) | Hole Cap. (cuft/ft) | % Excess | TOC (ft MD) | Total (sx) |
|---------------|---------------|----------|--------------|--------------|---------------------|----------|-------------|------------|
| Surface       | Type III      | 14.6     | 1.39         | 6.686        | 0.6946              | 100%     | 0           | 350        |
| Inter. (Lead) | III:POZ Blend | 12.5     | 2.14         | 12.05        | 0.3627              | 70%      | 0           | 474        |
| Inter. (Tail) | Type III      | 14.6     | 1.38         | 6.64         | 0.3132              | 20%      | 2,017       | 136        |
| Prod. (Lead)  | Type III      | 12.4     | 2.360        | 13.4         | 0.2691              | 65%      | 0           | 462        |
| Prod. (Tail)  | G:POZ blend   | 13.3     | 1.560        | 7.7          | 0.2291              | 10%      | 3,612       | 1,475      |

**COMPLETION / PRODUCTION SUMMARY:**

**Frac:** 35 plug-and-perf stages with 245,000 bbls slickwater fluid and 15,000,000 lbs of proppant (estimated)  
**Flowback:** Flow back through production tubing as pressures allow (ESP may be used for load recovery assistance)  
**Production:** Produce through production tubing via gas-lift into permanent production and storage facilities



Form 3160-5  
(June 2015)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**5. Lease Serial No.  
**N0-G-1403-1953**

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well☐ Gas Well☐ Other

2. Name of Operator

**Enduring Resources IV LLC**

3a. Address

**200 Energy Court Farmington NM 87401**

3b. Phone No. (include area code)

**505-636-9743**7. If Unit of CA/Agreement, Name and/or No.  
**NMNM135216A**

8. Well Name and No.

**Greater Lybrook Unit 830H**

9. API Well No.

**30-045-35814**

10. Field and Pool or Exploratory Area

**Lybrook Mancos W**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**SHL: 1161' FSL & 2446' FWL, Sec 27 T23N, R9W****BHL: 728' FNL & 2310' FEL, Sec 21 T23N, R9W**

11. Country or Parish, State

**San Juan, NM**

## 12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

| TYPE OF SUBMISSION                                    | TYPE OF ACTION                                |                                               |                                                    |                                                             |  |
|-------------------------------------------------------|-----------------------------------------------|-----------------------------------------------|----------------------------------------------------|-------------------------------------------------------------|--|
| <input type="checkbox"/> Notice of Intent             | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen               | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut Off                     |  |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Hydraulic Fracturing | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity                     |  |
| <input type="checkbox"/> Final Abandonment Notice     | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction     | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other <b>Completion</b> |  |
|                                                       | <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon     | <input type="checkbox"/> Temporarily Abandon       |                                                             |  |
|                                                       | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back            | <input type="checkbox"/> Water Disposal            |                                                             |  |

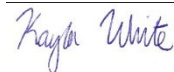
13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

**6/23/2022 thru 6/25/2022-** Pre frac site set up, MIRU, Pressure test**6/26/2022 thru 7/11/2022-** 24 hour Frac Ops. 34 total stages, total holes 1428, 4490 - 12632' MD. Perfed w 0.31" holes with SFT-NE45B, FRP-48H, CSA-2400, SCI-28H & 10,676,100 lbs total proppant**7/22/2022 thru 7/30/2022 -** Drilling out operations**7/30/2022 -** tubing landed at 4,340' MD

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

**Kayla White**

Title: Environmental Engineer



Date: 9/2/2022

**THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

FORM APPROVED

OMB NO. 1004-0137

Expires: January 31, 2018

5. Lease Serial No.

**N0-G-1403-1953**

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

**NMNM135216A**

8. Lease Name and Well No.

**Greater Lybrook Unit 830H**

9. API Well No.

**30-045-35814**

10. Field and Pool or Exploratory

**Lybrook Mancos W**

11. Sec., T., R., M., on Block and

Survey or Area  
**Sec 27 T23N R9W**

12. County or Parish

**San Juan**

13. State

**NM**

17. Elevations (DF, RKB, RT, GL)\*  
6669' KB

1a. Type of Well ☒ Oil Well ☐ Well ☐ Dry ☐ Other  
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Zones ☐ Hydraulic Fracturing  
☐ Other: \_\_\_\_\_

2. Name of Operator

**Enduring Resources IV LLC**

3. Address

**200 Energy Court Farmington NM 87402**

3a. Phone No. (Include area code)

505-636-9743

4. Location of Well (Report location clearly and in accordance with Federal requirements) \*

At surface

**SHL: 1161' FSL & 2446' FWL, Sec 27 T23N, R9W**

**BHL: 728' FNL & 2310' FEL, Sec 21 T23N, R9W**

At top prod. interval reported below At total depth

14. Date Spudded

**2/7/2022**

15. Date T.D. Reached

4/5/2022

16. Date Completed 8/4/2022

☐ D & A

☒ Ready to Prod.

18. Total Depth: **12742.8' MD**  
**4167' TVD**

19. Plug Back T.D.: **12636.6' MD**  
**4170' TVD**

20. Depth Bridge Plug Set:

MD

TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored?

☒ No

☐ Yes (Submit analysis)

Was DST run?

☒ No

☐ Yes (Submit report)

Directional Survey?

☐ No

☒ Yes (Submit copy)

Form 3160-4

(June 2015)

UNITED STATES

23. Casing and Liner Record (Report all strings set in well)

| Hole Size | Size/Grade           | Wt. (#ft.) | Top (MD) | Bottom (MD)        | Stage Cementer Depth | No. of Sk. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|----------------------|------------|----------|--------------------|----------------------|-----------------------------|-------------------|-------------|---------------|
| 17-1/2"   | <b>13-3/8", J-55</b> | 54.5       | 0        | <b>360.87' MD</b>  |                      | 350                         | 86.6              | surface     |               |
| 12-1/4"   | <b>9-5/8", J-55</b>  | 36         | 0        | <b>2532' MD</b>    |                      | 604                         | 218               | surface     |               |
| 8-1/2"    | <b>5-1/2", P-110</b> | 17         | 0        | <b>12742.8' MD</b> |                      | 1938                        | 604               | surface     |               |
|           |                      |            |          |                    |                      |                             |                   |             |               |

24. Tubing Record

| Size               | Dept Set (MD) | Packer Dept (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|--------------------|---------------|------------------|------|----------------|-------------------|------|----------------|-------------------|
| 2-7/8", 6.5#, L-80 | <b>4340'</b>  | <b>4275'</b>     |      |                |                   |      |                |                   |

25. Producing Intervals

| Formation     | Top              | Bottom           | Perforated Interval    | Size       | No. Holes   | Perf. Status |
|---------------|------------------|------------------|------------------------|------------|-------------|--------------|
| <b>Gallup</b> | <b>3780' TVD</b> | <b>4145' TVD</b> | <b>4490'-12632' MD</b> | <b>.31</b> | <b>1428</b> |              |
|               |                  |                  |                        |            |             |              |

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Post hydraulic fracturing chemical disclosures on FracFocus.org

| Depth Interval  | Amount, Type of Material and Date of Chemical Disclosure upload on FracFocus.org                                                   |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------|
| 4490'-12632' MD | 34 total stages, total holes 1428. Perfed w 0.31" holes with SFT-NE45B, FRP-48H, CSA-2400, SCI-28H & 10,676,100 lbs total proppant |

28. Production - Interval A

| Date First Produced | Test Date   | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API. | Gas Gravity | Production Method |
|---------------------|-------------|--------------|-----------------|---------|---------|-----------|------------------------|-------------|-------------------|
| 8/4/2022            | 8/4/2022    | 24 hr        | ➡               | 79      | 520     | 201       |                        |             | Flowing           |
| Choke Size          | Tbg. Press. | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio          | Well Status |                   |
| 64/64"              | 269         | 1122         | ➡               |         |         |           |                        | Producing   |                   |

28a. Production - Interval B

| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API. | Gas Gravity | Production Method |
|---------------------|-----------|--------------|-----------------|---------|---------|-----------|------------------------|-------------|-------------------|
|                     |           |              | ➡               |         |         |           |                        |             |                   |

|            |                   |             |               |         |         |           |               |             |
|------------|-------------------|-------------|---------------|---------|---------|-----------|---------------|-------------|
| Choke Size | Tbg. Press. Flwg. | Csg. Press. | 24 Hr. Rate → | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio | Well Status |
|------------|-------------------|-------------|---------------|---------|---------|-----------|---------------|-------------|

\*(See instructions and spaces for additional data on page 2)

## 28b. Production - Interval C

|                     |           |              |                   |         |         |           |                        |             |                   |
|---------------------|-----------|--------------|-------------------|---------|---------|-----------|------------------------|-------------|-------------------|
| Date First Produced | Test Date | Hours Tested | Test Production → | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API. | Gas Gravity | Production Method |
|---------------------|-----------|--------------|-------------------|---------|---------|-----------|------------------------|-------------|-------------------|

|            |                      |             |               |         |         |           |               |             |
|------------|----------------------|-------------|---------------|---------|---------|-----------|---------------|-------------|
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate → | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio | Well Status |
|------------|----------------------|-------------|---------------|---------|---------|-----------|---------------|-------------|

## 28c. Production - Interval D

|                     |           |              |                   |         |         |           |                        |             |                   |
|---------------------|-----------|--------------|-------------------|---------|---------|-----------|------------------------|-------------|-------------------|
| Date First Produced | Test Date | Hours Tested | Test Production → | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API. | Gas Gravity | Production Method |
|---------------------|-----------|--------------|-------------------|---------|---------|-----------|------------------------|-------------|-------------------|

|            |                      |             |               |         |         |           |               |             |
|------------|----------------------|-------------|---------------|---------|---------|-----------|---------------|-------------|
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate → | Oil BBL | Gas MCF | Water BBL | Gas/Oil Ratio | Well Status |
|------------|----------------------|-------------|---------------|---------|---------|-----------|---------------|-------------|

28. Disposition of Gas (Solid, used for fuel, vented, etc.)

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, fl and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

| Formation | Top   | Bottom | Descriptions, Contents, etc. | Name | Top<br>Meas. Depth |
|-----------|-------|--------|------------------------------|------|--------------------|
| OJAM      | 194'  |        |                              |      |                    |
| KRLD      | 299'  |        |                              |      |                    |
| FRLD      | 501'  |        |                              |      |                    |
| PCCF      | 898'  |        |                              |      |                    |
| CLFH      | 2274' |        |                              |      |                    |
| MENF      | 2290' |        |                              |      |                    |
| PNLK      | 3287' |        |                              |      |                    |
| MNCS      | 3455' |        |                              |      |                    |
| Gallup    | 3780' |        |                              |      |                    |

## 32. Additional remarks (include plugging procedure).

## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
- ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions) \*

Name (please print) Kayla White

Title Environmental Engineer

Signature Kayla White

Date: 9/2/2022



**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

ACKNOWLEDGMENTS  
  
Action 143870

ACKNOWLEDGMENTS

|                                                                                                |                                                                |
|------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| Operator:<br>ENDURING RESOURCES, LLC<br>6300 S Syracuse Way, Suite 525<br>Centennial, CO 80111 | OGRID:<br>372286                                               |
|                                                                                                | Action Number:<br>143870                                       |
|                                                                                                | Action Type:<br>[C-104] Tight Hole Completion Packet (C-104CT) |

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

CONDITIONS  
  
Action 143870

CONDITIONS

|                                                                                                |                                                                |
|------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| Operator:<br>ENDURING RESOURCES, LLC<br>6300 S Syracuse Way, Suite 525<br>Centennial, CO 80111 | OGRID:<br>372286                                               |
|                                                                                                | Action Number:<br>143870                                       |
|                                                                                                | Action Type:<br>[C-104] Tight Hole Completion Packet (C-104CT) |

CONDITIONS

| Created By | Condition                                                                 | Condition Date |
|------------|---------------------------------------------------------------------------|----------------|
| plmartinez | File 3160-4 Completion Report within 10 days to NMOCD after BLM approval. | 10/25/2023     |