

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 ResourcesForm C-104  
Revised August 1, 2011Oil 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>TAP ROCK OPERATING, LLC<br>523 PARK POINT DRIVE, SUITE 200<br>GOLDEN, CO 80401 |                                                           | <sup>2</sup> OGRID Number<br>372043                       |
|                                                                                                                          |                                                           | <sup>3</sup> Reason for Filing Code/ Effective Date<br>NW |
| <sup>4</sup> API Number<br>30 - 0 25-47831                                                                               | <sup>5</sup> Pool Name<br>WC-025 G-09 S243532M; WOLFBONE  | <sup>6</sup> Pool Code<br>98098                           |
| <sup>7</sup> Property Code<br>332860                                                                                     | <sup>8</sup> Property Name<br>SEINFELD MULVA FEDERAL UNIT | <sup>9</sup> Well Number<br>137H                          |

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

| UI or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South Line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| O             | 27      | 24S      | 35E   | -       | 604           | SOUTH            | 1980          | EAST           | LEA    |

**<sup>11</sup> Bottom Hole Location**

| UL or lot no.               | Section                                  | Township                                       | Range                             | Lot Idn                            | Feet from the                       | North/South line | Feet from the | East/West line | County |
|-----------------------------|------------------------------------------|------------------------------------------------|-----------------------------------|------------------------------------|-------------------------------------|------------------|---------------|----------------|--------|
| G                           | 3                                        | 25S                                            | 35E                               | -                                  | 2650                                | SOUTH            | 1987          | EAST           | LEA    |
| <sup>12</sup> Lse Code<br>F | <sup>13</sup> Producing Method Code<br>F | <sup>14</sup> Gas Connection Date<br>8/26/2022 | <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 OGRID | <sup>19</sup> Transporter Name and Address                                      | <sup>20</sup> O/G/W |
|---------------------------------|---------------------------------------------------------------------------------|---------------------|
| 373554                          | SALT CREEK MIDSTREAM, LLC<br>20329 STATE HIGHWAY 249<br>HOUSTON, TX U.S.A 77070 | O                   |
| 371960                          | LUCID ENERGY GROUP<br>3100 MCKINNON ST #800<br>DALLAS, TX 75201                 | G                   |
|                                 |                                                                                 |                     |
|                                 |                                                                                 |                     |
|                                 |                                                                                 |                     |
|                                 |                                                                                 |                     |

**IV. Well Completion Data**

| <sup>21</sup> Spud Date | <sup>22</sup> Ready Date           | <sup>23</sup> TD        | <sup>24</sup> PBTB         | <sup>25</sup> Perforations | <sup>26</sup> DHC, MC |
|-------------------------|------------------------------------|-------------------------|----------------------------|----------------------------|-----------------------|
| 5/2/2022                | 8/18/2022                          | 20557'                  | 20490'                     | 12659 ft to 20405 ft       |                       |
| <sup>27</sup> Hole Size | <sup>28</sup> Casing & Tubing Size | <sup>29</sup> Depth Set | <sup>30</sup> Sacks Cement |                            |                       |
| 17.5"                   | 13.375"                            | 1075'                   | 970 sks                    |                            |                       |
| 9.875"                  | 7.625"                             | 12110'                  | 1461 sks                   |                            |                       |
| 6.75"                   | 5.5"                               | 20537'                  | 882 sks                    |                            |                       |
|                         |                                    |                         |                            |                            |                       |

**V. Well Test Data**

| <sup>31</sup> Date New Oil                                                                                                                                                                                                                                                                                 | <sup>32</sup> Gas Delivery Date | <sup>33</sup> Test Date | <sup>34</sup> Test Length             | <sup>35</sup> Tbg. Pressure | <sup>36</sup> Csg. Pressure |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------|---------------------------------------|-----------------------------|-----------------------------|
| 8/26/2022                                                                                                                                                                                                                                                                                                  | 8/26/2022                       | 9/10/2022               | 24 hrs.                               | 0                           | 2500                        |
| <sup>37</sup> Choke Size                                                                                                                                                                                                                                                                                   | <sup>38</sup> Oil               | <sup>39</sup> Water     | <sup>40</sup> Gas                     |                             | <sup>41</sup> Test Method   |
| 30/64                                                                                                                                                                                                                                                                                                      | 1024                            | 495                     | 1021                                  |                             | Flowing                     |
| <sup>42</sup> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.<br>Signature:  |                                 |                         | OIL CONSERVATION DIVISION             |                             |                             |
| Printed name:<br>Jeff Trlica                                                                                                                                                                                                                                                                               |                                 |                         | Approved by: <b>PATRICIA MARTINEZ</b> |                             |                             |
| Title:<br>Regulatory Analyst                                                                                                                                                                                                                                                                               |                                 |                         | Title: <b>PETROLEUM SPECIALIST</b>    |                             |                             |
| E-mail Address:<br>jtrlica@taprk.com                                                                                                                                                                                                                                                                       |                                 |                         | Approval Date: <b>11/9/2023</b>       |                             |                             |
| Date:<br>9/13/2022                                                                                                                                                                                                                                                                                         |                                 | Phone:<br>720-771-5910  |                                       |                             |                             |

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

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

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

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

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

**FORM C-102**

Revised August 1, 2011

**Submit one copy to appropriate**

**District Office**

☐ **AMENDED REPORT**

## As Drilled

## WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                         |                                                           |                                                                         |
|-----------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------------|
| <sup>1</sup> API Number<br>30-025-47831 | <sup>2</sup> Pool Code<br>98098                           | <sup>3</sup> Pool Name<br>WC-025 G-09 S243532M; WOLFBONE                |
| <sup>4</sup> Property Code<br>332860    | <sup>5</sup> Property Name<br>SEINFELD MULVA FEDERAL UNIT |                                                                         |
| <sup>7</sup> OGRID No.<br>372043        | <sup>8</sup> Operator Name<br>TAP ROCK OPERATING, LLC.    | <sup>6</sup> Well Number<br>137H<br><br><sup>9</sup> Elevation<br>3287' |

<sup>10</sup>Surface Location

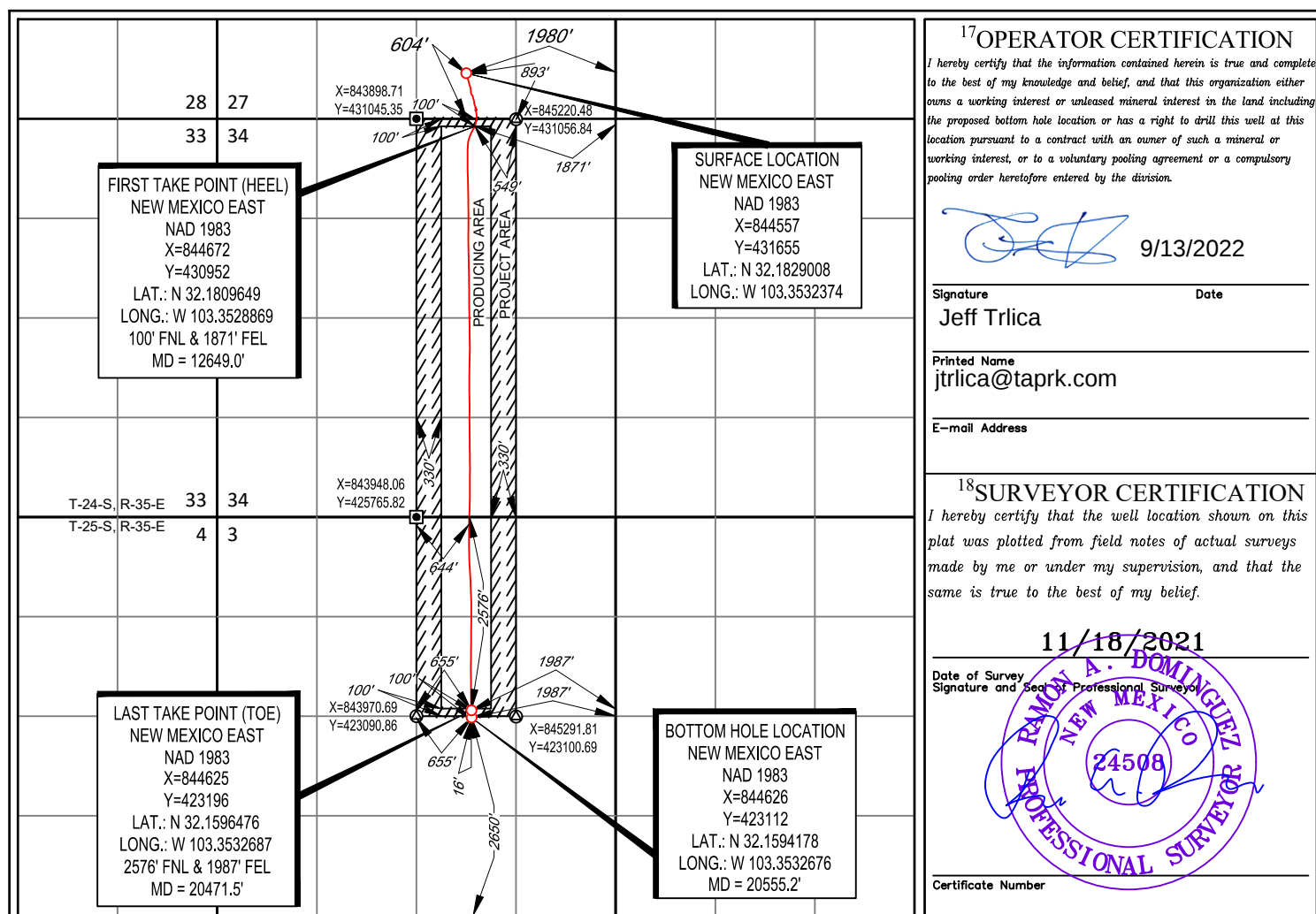
|               |         |          |       |         |               |                  |               |                |        |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| 0             | 27      | 24-S     | 35-E  | —       | 604'          | SOUTH            | 1980'         | EAST           | LEA    |

<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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| G             | 3       | 25-S     | 35-E  | —       | 2650'         | SOUTH            | 1987'         | EAST           | LEA    |

|                               |                               |                                  |                         |
|-------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No. |
| 240.87                        |                               |                                  |                         |

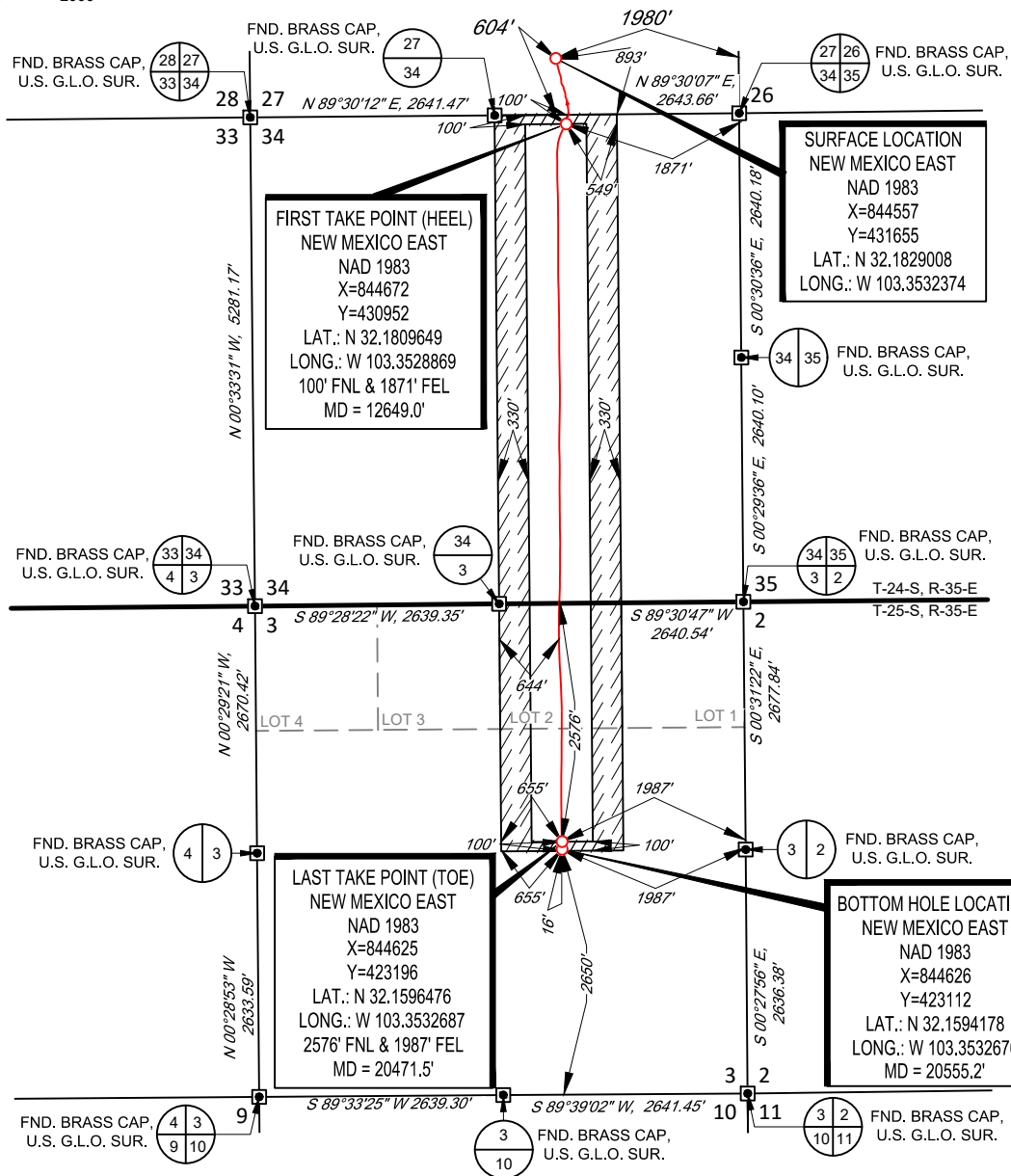
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



SCALE: 1" = 2000'

0' 1000' 2000'

SECTION 27, TOWNSHIP 24-S, RANGE 35-E, N.M.P.M.  
LEA COUNTY, NEW MEXICO



INTERNAL  
PRE-COMPLETION  
PLAT



| MULVA FED COM 137H<br>PRE-COMPLETION | REVISION: |  | NOTES:<br>1. ORIGINAL DOCUMENT SIZE: 8.5" X 11"<br>2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.<br>3. THIS WELL LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY TAP ROCK OPERATING, LLC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY. |
|--------------------------------------|-----------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                      |           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                      |           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                      |           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|                                      |           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| DATE: 07/27/22                       |           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| FILE: C:\MULVA_FED_COM_137H          |           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| DRAWN BY: SAR                        |           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| SHEET: 2 OF 2                        |           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

S:\SURVEY\TAPROCK\MULVA\_UNIT\FINAL\_PRODUCTS\C\MULVA\_FED\_COM\_137H.DWG 7/27/2022 2:35:39 PM bzollinger



Operator: TapRock Resources, LLC.  
Well Name: Mulva Fed Com #137H  
County: Lea  
State: New Mexico  
Rig Name: H&P 312  
API: 30-025-47831

Intrepid Directional Drilling Specialists certifies that the surveys performed on the above referenced well are true and correct MWD surveys, data provided as follows:

Surveyor: Intrepid Directional Drilling Specialists  
Survey Depths: 145' MD – 20,484' MD  
Projection to Bit: 20,557' MD  
Dates Performed: 05/02/2022 – 05/24/2022  
Type of Survey: MWD

Sincerely,

A handwritten signature in black ink, appearing to read "T. Henk".

Travis Henk  
MWD Operations Manager  
Intrepid Directional Drilling Specialists





## **Tap Rock Resources, LLC**

**Lea County, NM (NAD 83 NME)  
(Mulva Fed) Sec-27\_T-24-S\_R-35-E  
Mulva Fed Com #137H**

**OWB**

**Design: AWB**

## **Standard Survey Report**

**27 May, 2022**





# Intrepid Survey Report



|                  |                                  |                                     |                            |
|------------------|----------------------------------|-------------------------------------|----------------------------|
| <b>Company:</b>  | Tap Rock Resources, LLC          | <b>Local Co-ordinate Reference:</b> | Well Mulva Fed Com #137H   |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME)      | <b>TVD Reference:</b>               | KB @ 3313.0usft (H&P 312)  |
| <b>Site:</b>     | (Mulva Fed) Sec-27_T-24-S_R-35-E | <b>MD Reference:</b>                | KB @ 3313.0usft (H&P 312)  |
| <b>Well:</b>     | Mulva Fed Com #137H              | <b>North Reference:</b>             | Grid                       |
| <b>Wellbore:</b> | OWB                              | <b>Survey Calculation Method:</b>   | Minimum Curvature          |
| <b>Design:</b>   | AWB                              | <b>Database:</b>                    | EDM 5000.15 Single User Db |

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

|                              |                                  |                          |                   |
|------------------------------|----------------------------------|--------------------------|-------------------|
| <b>Site</b>                  | (Mulva Fed) Sec-27_T-24-S_R-35-E |                          |                   |
| <b>Site Position:</b>        |                                  | <b>Northing:</b>         | 431,446.00 usft   |
| <b>From:</b>                 | Map                              | <b>Easting:</b>          | 841,909.00 usft   |
| <b>Position Uncertainty:</b> | 0.0 usft                         | <b>Slot Radius:</b>      | 13-3/16 "         |
|                              |                                  | <b>Latitude:</b>         | 32° 10' 56.609 N  |
|                              |                                  | <b>Longitude:</b>        | 103° 21' 42.490 W |
|                              |                                  | <b>Grid Convergence:</b> | 0.52 °            |

|                             |                     |                            |                   |
|-----------------------------|---------------------|----------------------------|-------------------|
| <b>Well</b>                 | Mulva Fed Com #137H |                            |                   |
| <b>Well Position</b>        | <b>+N/-S</b>        | 0.0 usft                   | <b>Northing:</b>  |
|                             | <b>+E/-W</b>        | 0.0 usft                   | <b>Easting:</b>   |
| <b>Position Uncertainty</b> | 0.0 usft            | <b>Wellhead Elevation:</b> | usft              |
|                             |                     | <b>Latitude:</b>           | 32° 10' 58.439 N  |
|                             |                     | <b>Longitude:</b>          | 103° 21' 11.659 W |
|                             |                     | <b>Ground Level:</b>       | 3,287.0 usft      |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | OWB               |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | HDGM              | 04/11/22           | 6.36                   | 59.73                | 47,536.21044039            |

|                          |                                |                     |                     |                      |     |
|--------------------------|--------------------------------|---------------------|---------------------|----------------------|-----|
| <b>Design</b>            | AWB                            |                     |                     |                      |     |
| <b>Audit Notes:</b>      |                                |                     |                     |                      |     |
| <b>Version:</b>          | 1.0                            | <b>Phase:</b>       | ACTUAL              | <b>Tie On Depth:</b> | 0.0 |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Direction (°)</b> |     |
|                          | 0.0                            | 0.0                 | 0.0                 | 179.49               |     |

|                       |                  |                          |                  |                     |  |
|-----------------------|------------------|--------------------------|------------------|---------------------|--|
| <b>Survey Program</b> | <b>Date</b>      | 05/27/22                 |                  |                     |  |
| <b>From (usft)</b>    | <b>To (usft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b> | <b>Description</b>  |  |
| 145.0                 | 20,557.0         | Intrepid MWD (OWB)       | MWD              | OWSG MWD - Standard |  |

|                              |                        |                    |                              |                     |                     |                                |                                |                               |                              |
|------------------------------|------------------------|--------------------|------------------------------|---------------------|---------------------|--------------------------------|--------------------------------|-------------------------------|------------------------------|
| <b>Survey</b>                |                        |                    |                              |                     |                     |                                |                                |                               |                              |
| <b>Measured Depth (usft)</b> | <b>Inclination (°)</b> | <b>Azimuth (°)</b> | <b>Vertical Depth (usft)</b> | <b>+N/-S (usft)</b> | <b>+E/-W (usft)</b> | <b>Vertical Section (usft)</b> | <b>Dogleg Rate (°/100usft)</b> | <b>Build Rate (°/100usft)</b> | <b>Turn Rate (°/100usft)</b> |
| 0.0                          | 0.00                   | 0.00               | 0.0                          | 0.0                 | 0.0                 | 0.0                            | 0.00                           | 0.00                          | 0.00                         |
| 145.0                        | 0.75                   | 172.83             | 145.0                        | -0.9                | 0.1                 | 0.9                            | 0.52                           | 0.52                          | 0.00                         |
| 337.0                        | 0.84                   | 170.55             | 337.0                        | -3.6                | 0.5                 | 3.6                            | 0.05                           | 0.05                          | -1.19                        |
| 430.0                        | 0.92                   | 187.95             | 430.0                        | -5.0                | 0.5                 | 5.0                            | 0.30                           | 0.09                          | 18.71                        |
| 522.0                        | 0.70                   | 190.76             | 522.0                        | -6.3                | 0.3                 | 6.3                            | 0.24                           | -0.24                         | 3.05                         |
| 615.0                        | 0.48                   | 178.81             | 615.0                        | -7.2                | 0.2                 | 7.2                            | 0.27                           | -0.24                         | -12.85                       |
| 707.0                        | 0.31                   | 241.39             | 707.0                        | -7.7                | 0.0                 | 7.7                            | 0.47                           | -0.18                         | 68.02                        |
| 800.0                        | 0.62                   | 330.95             | 799.9                        | -7.4                | -0.5                | 7.4                            | 0.74                           | 0.33                          | 96.30                        |
| 892.0                        | 0.31                   | 338.95             | 891.9                        | -6.7                | -0.8                | 6.7                            | 0.34                           | -0.34                         | 8.70                         |
| 985.0                        | 0.31                   | 13.40              | 984.9                        | -6.3                | -0.8                | 6.3                            | 0.20                           | 0.00                          | 37.04                        |



# Intrepid Survey Report



|                  |                                  |                                     |                            |
|------------------|----------------------------------|-------------------------------------|----------------------------|
| <b>Company:</b>  | Tap Rock Resources, LLC          | <b>Local Co-ordinate Reference:</b> | Well Mulva Fed Com #137H   |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME)      | <b>TVD Reference:</b>               | KB @ 3313.0usft (H&P 312)  |
| <b>Site:</b>     | (Mulva Fed) Sec-27_T-24-S_R-35-E | <b>MD Reference:</b>                | KB @ 3313.0usft (H&P 312)  |
| <b>Well:</b>     | Mulva Fed Com #137H              | <b>North Reference:</b>             | Grid                       |
| <b>Wellbore:</b> | OWB                              | <b>Survey Calculation Method:</b>   | Minimum Curvature          |
| <b>Design:</b>   | AWB                              | <b>Database:</b>                    | EDM 5000.15 Single User Db |

| Survey                |                 |             |                       |              |              |                         |                         |                        |                       |  |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |  |
| 1,022.0               | 0.22            | 16.12       | 1,021.9               | -6.1         | -0.8         | 6.1                     | 0.25                    | -0.24                  | 7.35                  |  |
| 1,165.0               | 0.75            | 133.46      | 1,164.9               | -6.5         | 0.0          | 6.5                     | 0.61                    | 0.37                   | 82.06                 |  |
| 1,258.0               | 0.75            | 109.38      | 1,257.9               | -7.1         | 1.0          | 7.1                     | 0.34                    | 0.00                   | -25.89                |  |
| 1,352.0               | 0.88            | 111.92      | 1,351.9               | -7.6         | 2.2          | 7.6                     | 0.14                    | 0.14                   | 2.70                  |  |
| 1,446.0               | 1.93            | 165.89      | 1,445.9               | -9.4         | 3.3          | 9.4                     | 1.68                    | 1.12                   | 57.41                 |  |
| 1,539.0               | 3.69            | 164.92      | 1,538.8               | -13.8        | 4.5          | 13.8                    | 1.89                    | 1.89                   | -1.04                 |  |
| 1,633.0               | 4.44            | 154.55      | 1,632.5               | -20.0        | 6.8          | 20.0                    | 1.11                    | 0.80                   | -11.03                |  |
| 1,716.0               | 4.48            | 178.46      | 1,715.3               | -26.1        | 8.3          | 26.2                    | 2.22                    | 0.05                   | 28.81                 |  |
| 1,811.0               | 4.70            | 153.23      | 1,810.0               | -33.3        | 10.1         | 33.4                    | 2.12                    | 0.23                   | -26.56                |  |
| 1,905.0               | 4.97            | 149.63      | 1,903.7               | -40.3        | 13.9         | 40.4                    | 0.43                    | 0.29                   | -3.83                 |  |
| 1,999.0               | 6.02            | 161.32      | 1,997.2               | -48.4        | 17.6         | 48.6                    | 1.63                    | 1.12                   | 12.44                 |  |
| 2,093.0               | 6.68            | 170.55      | 2,090.7               | -58.5        | 20.0         | 58.7                    | 1.29                    | 0.70                   | 9.82                  |  |
| 2,186.0               | 6.68            | 169.84      | 2,183.0               | -69.2        | 21.9         | 69.4                    | 0.09                    | 0.00                   | -0.76                 |  |
| 2,280.0               | 6.90            | 167.82      | 2,276.4               | -80.1        | 24.0         | 80.3                    | 0.35                    | 0.23                   | -2.15                 |  |
| 2,374.0               | 6.99            | 164.83      | 2,369.7               | -91.1        | 26.7         | 91.3                    | 0.40                    | 0.10                   | -3.18                 |  |
| 2,468.0               | 6.95            | 164.13      | 2,463.0               | -102.1       | 29.8         | 102.4                   | 0.10                    | -0.04                  | -0.74                 |  |
| 2,562.0               | 7.03            | 161.49      | 2,556.3               | -113.0       | 33.1         | 113.3                   | 0.35                    | 0.09                   | -2.81                 |  |
| 2,655.0               | 6.81            | 166.42      | 2,648.6               | -123.8       | 36.3         | 124.1                   | 0.68                    | -0.24                  | 5.30                  |  |
| 2,749.0               | 6.81            | 170.02      | 2,742.0               | -134.7       | 38.5         | 135.0                   | 0.45                    | 0.00                   | 3.83                  |  |
| 2,844.0               | 6.73            | 164.75      | 2,836.3               | -145.6       | 41.0         | 146.0                   | 0.66                    | -0.08                  | -5.55                 |  |
| 2,938.0               | 6.73            | 162.72      | 2,929.6               | -156.2       | 44.1         | 156.6                   | 0.25                    | 0.00                   | -2.16                 |  |
| 3,032.0               | 6.64            | 156.75      | 3,023.0               | -166.4       | 47.8         | 166.9                   | 0.75                    | -0.10                  | -6.35                 |  |
| 3,126.0               | 7.34            | 159.47      | 3,116.3               | -177.0       | 52.1         | 177.5                   | 0.82                    | 0.74                   | 2.89                  |  |
| 3,219.0               | 8.22            | 170.11      | 3,208.5               | -189.2       | 55.3         | 189.6                   | 1.81                    | 0.95                   | 11.44                 |  |
| 3,313.0               | 8.26            | 168.35      | 3,301.5               | -202.4       | 57.8         | 202.9                   | 0.27                    | 0.04                   | -1.87                 |  |
| 3,407.0               | 6.86            | 170.55      | 3,394.7               | -214.5       | 60.1         | 215.1                   | 1.52                    | -1.49                  | 2.34                  |  |
| 3,501.0               | 6.77            | 178.02      | 3,488.0               | -225.6       | 61.2         | 226.2                   | 0.95                    | -0.10                  | 7.95                  |  |
| 3,595.0               | 7.16            | 175.82      | 3,581.3               | -237.0       | 61.8         | 237.5                   | 0.50                    | 0.41                   | -2.34                 |  |
| 3,689.0               | 7.82            | 177.05      | 3,674.5               | -249.2       | 62.6         | 249.8                   | 0.72                    | 0.70                   | 1.31                  |  |
| 3,783.0               | 6.95            | 165.89      | 3,767.7               | -261.1       | 64.3         | 261.7                   | 1.78                    | -0.93                  | -11.87                |  |
| 3,877.0               | 6.37            | 157.72      | 3,861.1               | -271.5       | 67.7         | 272.1                   | 1.18                    | -0.62                  | -8.69                 |  |
| 3,971.0               | 6.29            | 152.71      | 3,954.5               | -280.9       | 72.0         | 281.5                   | 0.59                    | -0.09                  | -5.33                 |  |
| 4,065.0               | 6.15            | 139.08      | 4,048.0               | -289.3       | 77.7         | 289.9                   | 1.57                    | -0.15                  | -14.50                |  |
| 4,158.0               | 6.55            | 148.84      | 4,140.4               | -297.6       | 83.7         | 298.3                   | 1.24                    | 0.43                   | 10.49                 |  |
| 4,252.0               | 7.69            | 168.97      | 4,233.7               | -308.3       | 87.7         | 309.1                   | 2.90                    | 1.21                   | 21.41                 |  |
| 4,347.0               | 8.75            | 171.69      | 4,327.7               | -321.7       | 89.9         | 322.5                   | 1.19                    | 1.12                   | 2.86                  |  |
| 4,440.0               | 7.08            | 163.87      | 4,419.8               | -334.2       | 92.5         | 335.0                   | 2.13                    | -1.80                  | -8.41                 |  |
| 4,535.0               | 6.33            | 151.04      | 4,514.2               | -344.4       | 96.7         | 345.3                   | 1.76                    | -0.79                  | -13.51                |  |
| 4,628.0               | 6.29            | 167.30      | 4,606.6               | -353.9       | 100.3        | 354.8                   | 1.92                    | -0.04                  | 17.48                 |  |
| 4,722.0               | 6.02            | 167.47      | 4,700.1               | -363.7       | 102.5        | 364.6                   | 0.29                    | -0.29                  | 0.18                  |  |
| 4,815.0               | 5.14            | 158.95      | 4,792.7               | -372.4       | 105.1        | 373.3                   | 1.30                    | -0.95                  | -9.16                 |  |
| 4,909.0               | 5.80            | 176.79      | 4,886.2               | -381.0       | 106.8        | 382.0                   | 1.93                    | 0.70                   | 18.98                 |  |
| 5,002.0               | 6.07            | 182.76      | 4,978.7               | -390.6       | 106.9        | 391.6                   | 0.72                    | 0.29                   | 6.42                  |  |
| 5,095.0               | 5.41            | 181.53      | 5,071.3               | -399.9       | 106.5        | 400.9                   | 0.72                    | -0.71                  | -1.32                 |  |



# Intrepid Survey Report



|                  |                                  |                                     |                            |
|------------------|----------------------------------|-------------------------------------|----------------------------|
| <b>Company:</b>  | Tap Rock Resources, LLC          | <b>Local Co-ordinate Reference:</b> | Well Mulva Fed Com #137H   |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME)      | <b>TVD Reference:</b>               | KB @ 3313.0usft (H&P 312)  |
| <b>Site:</b>     | (Mulva Fed) Sec-27_T-24-S_R-35-E | <b>MD Reference:</b>                | KB @ 3313.0usft (H&P 312)  |
| <b>Well:</b>     | Mulva Fed Com #137H              | <b>North Reference:</b>             | Grid                       |
| <b>Wellbore:</b> | OWB                              | <b>Survey Calculation Method:</b>   | Minimum Curvature          |
| <b>Design:</b>   | AWB                              | <b>Database:</b>                    | EDM 5000.15 Single User Db |

| Survey                |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 5,189.0               | 5.10            | 159.30      | 5,164.9               | -408.3       | 107.9        | 409.2                   | 2.18                    | -0.33                  | -23.65                |
| 5,282.0               | 5.23            | 157.54      | 5,257.5               | -416.1       | 110.9        | 417.0                   | 0.22                    | 0.14                   | -1.89                 |
| 5,376.0               | 5.19            | 157.72      | 5,351.1               | -424.0       | 114.2        | 425.0                   | 0.05                    | -0.04                  | 0.19                  |
| 5,471.0               | 5.05            | 159.82      | 5,445.7               | -431.9       | 117.3        | 432.9                   | 0.25                    | -0.15                  | 2.21                  |
| 5,564.0               | 4.66            | 160.26      | 5,538.4               | -439.3       | 120.0        | 440.3                   | 0.42                    | -0.42                  | 0.47                  |
| 5,658.0               | 4.62            | 156.84      | 5,632.1               | -446.3       | 122.7        | 447.4                   | 0.30                    | -0.04                  | -3.64                 |
| 5,752.0               | 4.26            | 168.17      | 5,725.8               | -453.2       | 124.9        | 454.3                   | 1.01                    | -0.38                  | 12.05                 |
| 5,846.0               | 2.99            | 180.39      | 5,819.6               | -459.1       | 125.6        | 460.2                   | 1.57                    | -1.35                  | 13.00                 |
| 5,939.0               | 1.71            | 204.65      | 5,912.5               | -462.8       | 125.0        | 463.9                   | 1.71                    | -1.38                  | 26.09                 |
| 6,032.0               | 0.70            | 336.48      | 6,005.5               | -463.5       | 124.2        | 464.6                   | 2.41                    | -1.09                  | 141.75                |
| 6,125.0               | 0.97            | 2.68        | 6,098.5               | -462.2       | 124.0        | 463.3                   | 0.50                    | 0.29                   | 28.17                 |
| 6,219.0               | 0.62            | 337.45      | 6,192.5               | -461.0       | 123.9        | 462.0                   | 0.52                    | -0.37                  | -26.84                |
| 6,313.0               | 1.01            | 6.10        | 6,286.5               | -459.7       | 123.8        | 460.7                   | 0.59                    | 0.41                   | 30.48                 |
| 6,408.0               | 0.31            | 152.62      | 6,381.5               | -459.1       | 124.0        | 460.1                   | 1.35                    | -0.74                  | 154.23                |
| 6,502.0               | 0.35            | 178.02      | 6,475.5               | -459.6       | 124.1        | 460.7                   | 0.16                    | 0.04                   | 27.02                 |
| 6,596.0               | 0.57            | 160.88      | 6,569.5               | -460.3       | 124.3        | 461.4                   | 0.27                    | 0.23                   | -18.23                |
| 6,690.0               | 0.48            | 156.40      | 6,663.5               | -461.1       | 124.6        | 462.2                   | 0.11                    | -0.10                  | -4.77                 |
| 6,784.0               | 0.26            | 190.32      | 6,757.5               | -461.7       | 124.7        | 462.8                   | 0.32                    | -0.23                  | 36.09                 |
| 6,878.0               | 0.26            | 200.96      | 6,851.5               | -462.1       | 124.6        | 463.2                   | 0.05                    | 0.00                   | 11.32                 |
| 6,972.0               | 0.57            | 202.63      | 6,945.5               | -462.7       | 124.3        | 463.8                   | 0.33                    | 0.33                   | 1.78                  |
| 7,065.0               | 0.66            | 171.43      | 7,038.5               | -463.7       | 124.2        | 464.8                   | 0.37                    | 0.10                   | -33.55                |
| 7,159.0               | 0.66            | 170.28      | 7,132.5               | -464.7       | 124.4        | 465.8                   | 0.01                    | 0.00                   | -1.22                 |
| 7,252.0               | 0.18            | 127.66      | 7,225.5               | -465.3       | 124.6        | 466.4                   | 0.58                    | -0.52                  | -45.83                |
| 7,346.0               | 0.70            | 180.22      | 7,319.5               | -466.0       | 124.7        | 467.1                   | 0.65                    | 0.55                   | 55.91                 |
| 7,441.0               | 0.62            | 193.57      | 7,414.5               | -467.1       | 124.6        | 468.2                   | 0.18                    | -0.08                  | 14.05                 |
| 7,534.0               | 0.44            | 148.49      | 7,507.5               | -467.9       | 124.7        | 469.0                   | 0.47                    | -0.19                  | -48.47                |
| 7,628.0               | 0.75            | 179.78      | 7,601.5               | -468.8       | 124.9        | 469.9                   | 0.47                    | 0.33                   | 33.29                 |
| 7,722.0               | 0.62            | 172.22      | 7,695.4               | -469.9       | 124.9        | 471.0                   | 0.17                    | -0.14                  | -8.04                 |
| 7,815.0               | 1.01            | 134.51      | 7,788.4               | -471.0       | 125.6        | 472.1                   | 0.69                    | 0.42                   | -40.55                |
| 7,909.0               | 1.10            | 144.00      | 7,882.4               | -472.3       | 126.7        | 473.4                   | 0.21                    | 0.10                   | 10.10                 |
| 8,032.0               | 1.32            | 127.13      | 8,005.4               | -474.1       | 128.5        | 475.2                   | 0.34                    | 0.18                   | -13.72                |
| 8,098.0               | 1.32            | 136.27      | 8,071.4               | -475.1       | 129.7        | 476.3                   | 0.32                    | 0.00                   | 13.85                 |
| 8,178.0               | 1.05            | 124.32      | 8,151.4               | -476.2       | 130.9        | 477.4                   | 0.46                    | -0.34                  | -14.94                |
| 8,271.0               | 0.88            | 147.26      | 8,244.4               | -477.3       | 132.0        | 478.4                   | 0.45                    | -0.18                  | 24.67                 |
| 8,365.0               | 0.53            | 159.65      | 8,338.3               | -478.3       | 132.5        | 479.5                   | 0.40                    | -0.37                  | 13.18                 |
| 8,459.0               | 0.35            | 124.40      | 8,432.3               | -478.9       | 132.9        | 480.0                   | 0.34                    | -0.19                  | -37.50                |
| 8,552.0               | 0.70            | 126.16      | 8,525.3               | -479.4       | 133.6        | 480.5                   | 0.38                    | 0.38                   | 1.89                  |
| 8,646.0               | 0.79            | 117.90      | 8,619.3               | -480.0       | 134.7        | 481.2                   | 0.15                    | 0.10                   | -8.79                 |
| 8,740.0               | 0.79            | 125.37      | 8,713.3               | -480.7       | 135.8        | 481.9                   | 0.11                    | 0.00                   | 7.95                  |
| 8,833.0               | 0.79            | 125.20      | 8,806.3               | -481.4       | 136.8        | 482.6                   | 0.00                    | 0.00                   | -0.18                 |
| 8,927.0               | 0.84            | 135.83      | 8,900.3               | -482.3       | 137.8        | 483.5                   | 0.17                    | 0.05                   | 11.31                 |
| 9,020.0               | 0.97            | 135.13      | 8,993.3               | -483.3       | 138.9        | 484.6                   | 0.14                    | 0.14                   | -0.75                 |
| 9,113.0               | 0.53            | 222.75      | 9,086.3               | -484.2       | 139.1        | 485.4                   | 1.17                    | -0.47                  | 94.22                 |



# Intrepid Survey Report



|                  |                                  |                                     |                            |
|------------------|----------------------------------|-------------------------------------|----------------------------|
| <b>Company:</b>  | Tap Rock Resources, LLC          | <b>Local Co-ordinate Reference:</b> | Well Mulva Fed Com #137H   |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME)      | <b>TVD Reference:</b>               | KB @ 3313.0usft (H&P 312)  |
| <b>Site:</b>     | (Mulva Fed) Sec-27_T-24-S_R-35-E | <b>MD Reference:</b>                | KB @ 3313.0usft (H&P 312)  |
| <b>Well:</b>     | Mulva Fed Com #137H              | <b>North Reference:</b>             | Grid                       |
| <b>Wellbore:</b> | OWB                              | <b>Survey Calculation Method:</b>   | Minimum Curvature          |
| <b>Design:</b>   | AWB                              | <b>Database:</b>                    | EDM 5000.15 Single User Db |

| Survey                                 |                 |             |                       |              |              |                         |                         |                        |                       |
|----------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)                  | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 9,207.0                                | 0.48            | 274.43      | 9,180.3               | -484.5       | 138.4        | 485.7                   | 0.47                    | -0.05                  | 54.98                 |
| 9,301.0                                | 0.18            | 199.38      | 9,274.3               | -484.6       | 138.0        | 485.8                   | 0.50                    | -0.32                  | -79.84                |
| 9,395.0                                | 0.18            | 160.09      | 9,368.3               | -484.9       | 138.0        | 486.1                   | 0.13                    | 0.00                   | -41.80                |
| 9,489.0                                | 0.48            | 224.95      | 9,462.3               | -485.3       | 137.8        | 486.5                   | 0.46                    | 0.32                   | 69.00                 |
| 9,583.0                                | 0.26            | 209.66      | 9,556.3               | -485.8       | 137.4        | 487.0                   | 0.25                    | -0.23                  | -16.27                |
| 9,677.0                                | 0.40            | 156.48      | 9,650.3               | -486.3       | 137.4        | 487.5                   | 0.34                    | 0.15                   | -56.57                |
| 9,771.0                                | 0.35            | 136.97      | 9,744.3               | -486.8       | 137.7        | 488.0                   | 0.14                    | -0.05                  | -20.76                |
| 9,864.0                                | 0.18            | 110.52      | 9,837.3               | -487.0       | 138.1        | 488.2                   | 0.22                    | -0.18                  | -28.44                |
| 9,959.0                                | 0.35            | 123.26      | 9,932.3               | -487.2       | 138.4        | 488.5                   | 0.19                    | 0.18                   | 13.41                 |
| 10,053.0                               | 0.44            | 183.47      | 10,026.3              | -487.8       | 138.7        | 489.0                   | 0.43                    | 0.10                   | 64.05                 |
| 10,146.0                               | 1.05            | 206.67      | 10,119.3              | -488.9       | 138.3        | 490.1                   | 0.72                    | 0.66                   | 24.95                 |
| 10,240.0                               | 1.27            | 213.70      | 10,213.2              | -490.5       | 137.3        | 491.7                   | 0.28                    | 0.23                   | 7.48                  |
| 10,333.0                               | 1.58            | 216.95      | 10,306.2              | -492.4       | 135.9        | 493.6                   | 0.34                    | 0.33                   | 3.49                  |
| 10,428.0                               | 1.19            | 223.19      | 10,401.2              | -494.2       | 134.5        | 495.3                   | 0.44                    | -0.41                  | 6.57                  |
| 10,523.0                               | 1.36            | 256.15      | 10,496.2              | -495.2       | 132.7        | 496.3                   | 0.78                    | 0.18                   | 34.69                 |
| 10,617.0                               | 1.45            | 255.54      | 10,590.1              | -495.7       | 130.5        | 496.9                   | 0.10                    | 0.10                   | -0.65                 |
| 10,711.0                               | 1.01            | 283.40      | 10,684.1              | -495.8       | 128.5        | 496.9                   | 0.78                    | -0.47                  | 29.64                 |
| 10,805.0                               | 1.10            | 283.66      | 10,778.1              | -495.4       | 126.8        | 496.5                   | 0.10                    | 0.10                   | 0.28                  |
| 10,899.0                               | 0.88            | 274.52      | 10,872.1              | -495.1       | 125.2        | 496.2                   | 0.29                    | -0.23                  | -9.72                 |
| 10,993.0                               | 1.58            | 288.50      | 10,966.1              | -494.7       | 123.3        | 495.8                   | 0.80                    | 0.74                   | 14.87                 |
| 11,088.0                               | 1.23            | 309.06      | 11,061.0              | -493.6       | 121.3        | 494.7                   | 0.64                    | -0.37                  | 21.64                 |
| 11,182.0                               | 1.19            | 326.99      | 11,155.0              | -492.2       | 119.9        | 493.2                   | 0.40                    | -0.04                  | 19.07                 |
| 11,275.0                               | 0.79            | 326.47      | 11,248.0              | -490.8       | 119.1        | 491.9                   | 0.43                    | -0.43                  | -0.56                 |
| 11,369.0                               | 0.22            | 219.68      | 11,342.0              | -490.4       | 118.6        | 491.5                   | 0.94                    | -0.61                  | -113.61               |
| 11,463.0                               | 0.18            | 282.08      | 11,436.0              | -490.5       | 118.3        | 491.6                   | 0.22                    | -0.04                  | 66.38                 |
| 11,556.0                               | 0.26            | 65.08       | 11,529.0              | -490.4       | 118.4        | 491.4                   | 0.45                    | 0.09                   | 153.76                |
| 11,650.0                               | 0.66            | 82.92       | 11,623.0              | -490.3       | 119.1        | 491.3                   | 0.45                    | 0.43                   | 18.98                 |
| 11,745.0                               | 0.88            | 114.03      | 11,718.0              | -490.5       | 120.3        | 491.5                   | 0.49                    | 0.23                   | 32.75                 |
| 11,839.0                               | 0.84            | 120.98      | 11,812.0              | -491.1       | 121.6        | 492.2                   | 0.12                    | -0.04                  | 7.39                  |
| 11,932.0                               | 0.79            | 71.05       | 11,905.0              | -491.3       | 122.8        | 492.3                   | 0.74                    | -0.05                  | -53.69                |
| 12,024.0                               | 0.88            | 98.48       | 11,997.0              | -491.2       | 124.1        | 492.3                   | 0.44                    | 0.10                   | 29.82                 |
| 12,106.0                               | 0.84            | 97.77       | 12,078.9              | -491.3       | 125.3        | 492.4                   | 0.05                    | -0.05                  | -0.87                 |
| 12,145.0                               | 0.53            | 96.81       | 12,117.9              | -491.4       | 125.7        | 492.5                   | 0.80                    | -0.79                  | -2.46                 |
| 12,239.0                               | 6.95            | 157.19      | 12,211.7              | -496.7       | 128.4        | 497.8                   | 7.13                    | 6.83                   | 64.23                 |
| 12,334.0                               | 18.51           | 169.14      | 12,304.2              | -516.9       | 133.5        | 518.1                   | 12.42                   | 12.17                  | 12.58                 |
| 12,428.0                               | 30.51           | 172.57      | 12,389.6              | -555.3       | 139.4        | 556.6                   | 12.85                   | 12.77                  | 3.65                  |
| 12,522.0                               | 48.09           | 188.65      | 12,462.2              | -614.2       | 137.2        | 615.4                   | 21.49                   | 18.70                  | 17.11                 |
| 12,616.0                               | 44.79           | 196.04      | 12,527.1              | -680.7       | 122.8        | 681.7                   | 6.69                    | -3.51                  | 7.86                  |
| 12,649.5                               | 45.01           | 202.21      | 12,550.8              | -703.0       | 115.0        | 704.0                   | 13.01                   | 0.67                   | 18.41                 |
| FTP @ 12649.5'MD, 100'FNL & 1873.7'FEL |                 |             |                       |              |              |                         |                         |                        |                       |
| 12,710.0                               | 46.24           | 213.09      | 12,593.2              | -741.2       | 95.0         | 742.0                   | 13.01                   | 2.03                   | 17.99                 |
| 12,757.0                               | 54.42           | 208.96      | 12,623.2              | -772.2       | 76.4         | 772.8                   | 18.67                   | 17.40                  | -8.79                 |
| 12,803.0                               | 60.57           | 202.89      | 12,647.9              | -807.0       | 59.5         | 807.5                   | 17.39                   | 13.37                  | -13.20                |
| 12,850.0                               | 68.13           | 199.02      | 12,668.2              | -846.6       | 44.4         | 846.9                   | 17.71                   | 16.09                  | -8.23                 |



# Intrepid Survey Report



|                  |                                  |                                     |                            |
|------------------|----------------------------------|-------------------------------------|----------------------------|
| <b>Company:</b>  | Tap Rock Resources, LLC          | <b>Local Co-ordinate Reference:</b> | Well Mulva Fed Com #137H   |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME)      | <b>TVD Reference:</b>               | KB @ 3313.0usft (H&P 312)  |
| <b>Site:</b>     | (Mulva Fed) Sec-27_T-24-S_R-35-E | <b>MD Reference:</b>                | KB @ 3313.0usft (H&P 312)  |
| <b>Well:</b>     | Mulva Fed Com #137H              | <b>North Reference:</b>             | Grid                       |
| <b>Wellbore:</b> | OWB                              | <b>Survey Calculation Method:</b>   | Minimum Curvature          |
| <b>Design:</b>   | AWB                              | <b>Database:</b>                    | EDM 5000.15 Single User Db |

| Survey                |                 |             |                       |              |              |                         |                         |                        |                       |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 12,897.0              | 75.82           | 194.10      | 12,682.8              | -889.4       | 31.8         | 889.6                   | 19.15                   | 16.36                  | -10.47                |
| 12,918.0              | 79.25           | 191.03      | 12,687.3              | -909.4       | 27.3         | 909.6                   | 21.69                   | 16.33                  | -14.62                |
| 13,018.0              | 87.91           | 179.51      | 12,698.5              | -1,008.1     | 18.3         | 1,008.2                 | 14.35                   | 8.66                   | -11.52                |
| 13,112.0              | 92.79           | 179.86      | 12,697.9              | -1,102.1     | 18.8         | 1,102.2                 | 5.20                    | 5.19                   | 0.37                  |
| 13,206.0              | 90.81           | 179.86      | 12,695.0              | -1,196.0     | 19.0         | 1,196.1                 | 2.11                    | -2.11                  | 0.00                  |
| 13,300.0              | 89.36           | 179.34      | 12,694.8              | -1,290.0     | 19.7         | 1,290.1                 | 1.64                    | -1.54                  | -0.55                 |
| 13,393.0              | 90.15           | 177.93      | 12,695.2              | -1,383.0     | 21.9         | 1,383.1                 | 1.74                    | 0.85                   | -1.52                 |
| 13,487.0              | 90.07           | 178.19      | 12,695.0              | -1,476.9     | 25.1         | 1,477.1                 | 0.29                    | -0.09                  | 0.28                  |
| 13,581.0              | 91.65           | 179.07      | 12,693.6              | -1,570.9     | 27.3         | 1,571.1                 | 1.92                    | 1.68                   | 0.94                  |
| 13,675.0              | 89.76           | 179.86      | 12,692.5              | -1,664.9     | 28.2         | 1,665.0                 | 2.18                    | -2.01                  | 0.84                  |
| 13,769.0              | 88.26           | 179.16      | 12,694.1              | -1,758.8     | 29.0         | 1,759.0                 | 1.76                    | -1.60                  | -0.74                 |
| 13,863.0              | 89.85           | 179.86      | 12,695.7              | -1,852.8     | 29.8         | 1,853.0                 | 1.85                    | 1.69                   | 0.74                  |
| 13,957.0              | 89.36           | 179.95      | 12,696.3              | -1,946.8     | 30.0         | 1,947.0                 | 0.53                    | -0.52                  | 0.10                  |
| 14,052.0              | 91.38           | 180.57      | 12,695.7              | -2,041.8     | 29.5         | 2,042.0                 | 2.22                    | 2.13                   | 0.65                  |
| 14,145.0              | 89.98           | 180.30      | 12,694.6              | -2,134.8     | 28.8         | 2,135.0                 | 1.53                    | -1.51                  | -0.29                 |
| 14,240.0              | 90.37           | 179.95      | 12,694.3              | -2,229.8     | 28.6         | 2,230.0                 | 0.55                    | 0.41                   | -0.37                 |
| 14,334.0              | 89.58           | 179.16      | 12,694.3              | -2,323.8     | 29.4         | 2,324.0                 | 1.19                    | -0.84                  | -0.84                 |
| 14,427.0              | 89.10           | 178.19      | 12,695.4              | -2,416.8     | 31.5         | 2,416.9                 | 1.16                    | -0.52                  | -1.04                 |
| 14,521.0              | 88.75           | 178.98      | 12,697.2              | -2,510.7     | 33.8         | 2,510.9                 | 0.92                    | -0.37                  | 0.84                  |
| 14,615.0              | 89.23           | 178.63      | 12,698.8              | -2,604.7     | 35.8         | 2,604.9                 | 0.63                    | 0.51                   | -0.37                 |
| 14,710.0              | 90.11           | 179.07      | 12,699.4              | -2,699.7     | 37.7         | 2,699.9                 | 1.04                    | 0.93                   | 0.46                  |
| 14,803.0              | 89.71           | 179.86      | 12,699.5              | -2,792.7     | 38.6         | 2,792.9                 | 0.95                    | -0.43                  | 0.85                  |
| 14,897.0              | 89.14           | 179.34      | 12,700.5              | -2,886.6     | 39.2         | 2,886.9                 | 0.82                    | -0.61                  | -0.55                 |
| 14,991.0              | 89.54           | 179.42      | 12,701.5              | -2,980.6     | 40.2         | 2,980.9                 | 0.43                    | 0.43                   | 0.09                  |
| 15,084.0              | 90.81           | 180.22      | 12,701.3              | -3,073.6     | 40.5         | 3,073.9                 | 1.61                    | 1.37                   | 0.86                  |
| 15,178.0              | 90.64           | 178.90      | 12,700.1              | -3,167.6     | 41.3         | 3,167.9                 | 1.42                    | -0.18                  | -1.40                 |
| 15,271.0              | 90.99           | 179.07      | 12,698.8              | -3,260.6     | 42.9         | 3,260.8                 | 0.42                    | 0.38                   | 0.18                  |
| 15,365.0              | 90.77           | 178.90      | 12,697.3              | -3,354.6     | 44.6         | 3,354.8                 | 0.30                    | -0.23                  | -0.18                 |
| 15,459.0              | 90.81           | 179.16      | 12,696.0              | -3,448.5     | 46.2         | 3,448.8                 | 0.28                    | 0.04                   | 0.28                  |
| 15,553.0              | 91.12           | 179.16      | 12,694.4              | -3,542.5     | 47.5         | 3,542.8                 | 0.33                    | 0.33                   | 0.00                  |
| 15,647.0              | 91.96           | 179.95      | 12,691.9              | -3,636.5     | 48.3         | 3,636.8                 | 1.23                    | 0.89                   | 0.84                  |
| 15,740.0              | 90.11           | 181.53      | 12,690.2              | -3,729.5     | 47.1         | 3,729.7                 | 2.62                    | -1.99                  | 1.70                  |
| 15,834.0              | 89.27           | 180.30      | 12,690.7              | -3,823.4     | 45.6         | 3,823.7                 | 1.58                    | -0.89                  | -1.31                 |
| 15,928.0              | 89.14           | 181.71      | 12,692.0              | -3,917.4     | 43.9         | 3,917.6                 | 1.51                    | -0.14                  | 1.50                  |
| 16,023.0              | 89.32           | 180.22      | 12,693.3              | -4,012.4     | 42.3         | 4,012.6                 | 1.58                    | 0.19                   | -1.57                 |
| 16,130.0              | 86.64           | 180.92      | 12,697.1              | -4,119.3     | 41.3         | 4,119.5                 | 2.59                    | -2.50                  | 0.65                  |
| 16,223.0              | 87.38           | 179.25      | 12,701.9              | -4,212.2     | 41.1         | 4,212.4                 | 1.96                    | 0.80                   | -1.80                 |
| 16,317.0              | 87.38           | 177.84      | 12,706.2              | -4,306.0     | 43.5         | 4,306.3                 | 1.50                    | 0.00                   | -1.50                 |
| 16,411.0              | 87.78           | 179.42      | 12,710.2              | -4,399.9     | 45.7         | 4,400.2                 | 1.73                    | 0.43                   | 1.68                  |
| 16,504.0              | 89.14           | 181.18      | 12,712.7              | -4,492.9     | 45.3         | 4,493.1                 | 2.39                    | 1.46                   | 1.89                  |
| 16,597.0              | 89.45           | 180.13      | 12,713.8              | -4,585.9     | 44.2         | 4,586.1                 | 1.18                    | 0.33                   | -1.13                 |
| 16,691.0              | 90.90           | 179.69      | 12,713.6              | -4,679.9     | 44.3         | 4,680.1                 | 1.61                    | 1.54                   | -0.47                 |
| 16,785.0              | 89.32           | 179.25      | 12,713.4              | -4,773.9     | 45.2         | 4,774.1                 | 1.74                    | -1.68                  | -0.47                 |



# Intrepid Survey Report



|                  |                                  |                                     |                            |
|------------------|----------------------------------|-------------------------------------|----------------------------|
| <b>Company:</b>  | Tap Rock Resources, LLC          | <b>Local Co-ordinate Reference:</b> | Well Mulva Fed Com #137H   |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME)      | <b>TVD Reference:</b>               | KB @ 3313.0usft (H&P 312)  |
| <b>Site:</b>     | (Mulva Fed) Sec-27_T-24-S_R-35-E | <b>MD Reference:</b>                | KB @ 3313.0usft (H&P 312)  |
| <b>Well:</b>     | Mulva Fed Com #137H              | <b>North Reference:</b>             | Grid                       |
| <b>Wellbore:</b> | OWB                              | <b>Survey Calculation Method:</b>   | Minimum Curvature          |
| <b>Design:</b>   | AWB                              | <b>Database:</b>                    | EDM 5000.15 Single User Db |

| Survey                                 |                 |             |                       |              |              |                         |                         |                        |                       |
|----------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)                  | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 16,878.0                               | 87.65           | 179.16      | 12,715.8              | -4,866.8     | 46.5         | 4,867.0                 | 1.80                    | -1.80                  | -0.10                 |
| 16,972.0                               | 89.27           | 179.78      | 12,718.4              | -4,960.8     | 47.4         | 4,961.0                 | 1.85                    | 1.72                   | 0.66                  |
| 17,066.0                               | 89.71           | 179.25      | 12,719.2              | -5,054.8     | 48.2         | 5,055.0                 | 0.73                    | 0.47                   | -0.56                 |
| 17,157.0                               | 90.55           | 178.72      | 12,719.0              | -5,145.8     | 49.8         | 5,146.0                 | 1.09                    | 0.92                   | -0.58                 |
| 17,250.0                               | 93.58           | 180.83      | 12,715.6              | -5,238.7     | 50.1         | 5,238.9                 | 3.97                    | 3.26                   | 2.27                  |
| 17,344.0                               | 92.79           | 179.78      | 12,710.4              | -5,332.5     | 49.6         | 5,332.8                 | 1.40                    | -0.84                  | -1.12                 |
| 17,438.0                               | 90.81           | 180.13      | 12,707.5              | -5,426.5     | 49.7         | 5,426.7                 | 2.14                    | -2.11                  | 0.37                  |
| 17,532.0                               | 89.71           | 180.57      | 12,707.0              | -5,520.5     | 49.1         | 5,520.7                 | 1.26                    | -1.17                  | 0.47                  |
| 17,626.0                               | 89.23           | 180.48      | 12,707.9              | -5,614.5     | 48.3         | 5,614.7                 | 0.52                    | -0.51                  | -0.10                 |
| 17,720.0                               | 88.88           | 180.74      | 12,709.5              | -5,708.4     | 47.3         | 5,708.6                 | 0.46                    | -0.37                  | 0.28                  |
| 17,813.0                               | 91.08           | 182.68      | 12,709.5              | -5,801.4     | 44.5         | 5,801.6                 | 3.15                    | 2.37                   | 2.09                  |
| 17,907.0                               | 90.51           | 182.32      | 12,708.2              | -5,895.3     | 40.4         | 5,895.4                 | 0.72                    | -0.61                  | -0.38                 |
| 18,001.0                               | 88.40           | 180.22      | 12,709.1              | -5,989.3     | 38.3         | 5,989.4                 | 3.17                    | -2.24                  | -2.23                 |
| 18,095.0                               | 91.12           | 180.39      | 12,709.5              | -6,083.2     | 37.8         | 6,083.3                 | 2.90                    | 2.89                   | 0.18                  |
| 18,189.0                               | 91.69           | 180.13      | 12,707.2              | -6,177.2     | 37.4         | 6,177.3                 | 0.67                    | 0.61                   | -0.28                 |
| 18,282.0                               | 90.15           | 179.42      | 12,705.7              | -6,270.2     | 37.8         | 6,270.3                 | 1.82                    | -1.66                  | -0.76                 |
| 18,377.0                               | 88.31           | 178.55      | 12,707.0              | -6,365.2     | 39.4         | 6,365.3                 | 2.14                    | -1.94                  | -0.92                 |
| 18,470.0                               | 89.93           | 177.93      | 12,708.4              | -6,458.1     | 42.3         | 6,458.2                 | 1.87                    | 1.74                   | -0.67                 |
| 18,565.0                               | 92.18           | 177.14      | 12,706.6              | -6,553.0     | 46.4         | 6,553.2                 | 2.51                    | 2.37                   | -0.83                 |
| 18,660.0                               | 91.87           | 174.68      | 12,703.3              | -6,647.7     | 53.2         | 6,647.9                 | 2.61                    | -0.33                  | -2.59                 |
| 18,753.0                               | 93.23           | 178.90      | 12,699.1              | -6,740.4     | 58.4         | 6,740.7                 | 4.76                    | 1.46                   | 4.54                  |
| 18,835.0                               | 91.47           | 177.75      | 12,695.8              | -6,822.3     | 60.8         | 6,822.6                 | 2.56                    | -2.15                  | -1.40                 |
| 18,929.0                               | 92.88           | 177.93      | 12,692.2              | -6,916.2     | 64.3         | 6,916.5                 | 1.51                    | 1.50                   | 0.19                  |
| 19,023.0                               | 93.32           | 178.81      | 12,687.1              | -7,010.0     | 67.0         | 7,010.3                 | 1.05                    | 0.47                   | 0.94                  |
| 19,117.0                               | 92.09           | 179.86      | 12,682.7              | -7,103.9     | 68.1         | 7,104.2                 | 1.72                    | -1.31                  | 1.12                  |
| 19,211.0                               | 92.66           | 180.13      | 12,678.8              | -7,197.8     | 68.1         | 7,198.1                 | 0.67                    | 0.61                   | 0.29                  |
| 19,304.0                               | 90.90           | 180.57      | 12,675.9              | -7,290.8     | 67.5         | 7,291.1                 | 1.95                    | -1.89                  | 0.47                  |
| 19,398.0                               | 90.02           | 180.39      | 12,675.1              | -7,384.8     | 66.7         | 7,385.1                 | 0.96                    | -0.94                  | -0.19                 |
| 19,491.0                               | 89.80           | 180.39      | 12,675.3              | -7,477.8     | 66.1         | 7,478.0                 | 0.24                    | -0.24                  | 0.00                  |
| 19,585.0                               | 89.36           | 180.39      | 12,676.0              | -7,571.7     | 65.4         | 7,572.0                 | 0.47                    | -0.47                  | 0.00                  |
| 19,679.0                               | 89.67           | 180.92      | 12,676.8              | -7,665.7     | 64.4         | 7,666.0                 | 0.65                    | 0.33                   | 0.56                  |
| 19,773.0                               | 90.33           | 180.57      | 12,676.8              | -7,759.7     | 63.1         | 7,760.0                 | 0.79                    | 0.70                   | -0.37                 |
| 19,867.0                               | 91.52           | 180.04      | 12,675.3              | -7,853.7     | 62.6         | 7,854.0                 | 1.39                    | 1.27                   | -0.56                 |
| 19,961.0                               | 90.55           | 179.78      | 12,673.6              | -7,947.7     | 62.8         | 7,947.9                 | 1.07                    | -1.03                  | -0.28                 |
| 20,055.0                               | 91.52           | 179.60      | 12,671.9              | -8,041.7     | 63.3         | 8,041.9                 | 1.05                    | 1.03                   | -0.19                 |
| 20,150.0                               | 91.65           | 179.86      | 12,669.2              | -8,136.6     | 63.7         | 8,136.9                 | 0.31                    | 0.14                   | 0.27                  |
| 20,244.0                               | 91.56           | 179.42      | 12,666.6              | -8,230.6     | 64.3         | 8,230.8                 | 0.48                    | -0.10                  | -0.47                 |
| 20,338.0                               | 92.66           | 179.07      | 12,663.1              | -8,324.5     | 65.6         | 8,324.8                 | 1.23                    | 1.17                   | -0.37                 |
| 20,432.0                               | 92.70           | 179.34      | 12,658.7              | -8,418.4     | 66.9         | 8,418.7                 | 0.29                    | 0.04                   | 0.29                  |
| 20,472.9                               | 92.94           | 179.27      | 12,656.7              | -8,459.3     | 67.4         | 8,459.5                 | 0.62                    | 0.60                   | -0.17                 |
| LTP @ 20472.9'MD, 100'FSL & 1987.7'FEL |                 |             |                       |              |              |                         |                         |                        |                       |
| 20,484.0                               | 93.01           | 179.25      | 12,656.2              | -8,470.3     | 67.5         | 8,470.6                 | 0.62                    | 0.60                   | -0.17                 |
| LAST SVY                               |                 |             |                       |              |              |                         |                         |                        |                       |
| 20,557.0                               | 93.01           | 179.25      | 12,652.3              | -8,543.2     | 68.5         | 8,543.5                 | 0.00                    | 0.00                   | 0.00                  |



# Intrepid Survey Report



|                  |                                  |                                     |                            |
|------------------|----------------------------------|-------------------------------------|----------------------------|
| <b>Company:</b>  | Tap Rock Resources, LLC          | <b>Local Co-ordinate Reference:</b> | Well Mulva Fed Com #137H   |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME)      | <b>TVD Reference:</b>               | KB @ 3313.0usft (H&P 312)  |
| <b>Site:</b>     | (Mulva Fed) Sec-27_T-24-S_R-35-E | <b>MD Reference:</b>                | KB @ 3313.0usft (H&P 312)  |
| <b>Well:</b>     | Mulva Fed Com #137H              | <b>North Reference:</b>             | Grid                       |
| <b>Wellbore:</b> | OWB                              | <b>Survey Calculation Method:</b>   | Minimum Curvature          |
| <b>Design:</b>   | AWB                              | <b>Database:</b>                    | EDM 5000.15 Single User Db |

| Survey                                           |                 |             |                       |              |              |                         |                         |                        |                       |
|--------------------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft)                            | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| Projection to TD @ 20557'MD, 16'FSL & 1987.4'FEL |                 |             |                       |              |              |                         |                         |                        |                       |

| Design Targets                                                                                         |               |              |            |              |              |                 |                |                  |                   |
|--------------------------------------------------------------------------------------------------------|---------------|--------------|------------|--------------|--------------|-----------------|----------------|------------------|-------------------|
| Target Name                                                                                            |               |              |            |              |              |                 |                |                  |                   |
| - hit/miss target                                                                                      | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude         | Longitude         |
| - Shape                                                                                                |               |              |            |              |              |                 |                |                  |                   |
| FTP (Mulva Fed Com #137H)                                                                              | 0.00          | 0.00         | 12,177.0   | -710.0       | -654.0       | 430,945.00      | 843,903.00     | 32° 10' 51.473 N | 103° 21' 19.343 W |
| - actual wellpath misses target center by 810.4usft at 12194.4usft MD (12167.3 TVD, -492.9 N, 126.7 E) |               |              |            |              |              |                 |                |                  |                   |
| - Point                                                                                                |               |              |            |              |              |                 |                |                  |                   |
| T1 (Mulva Fed Com #137H)                                                                               | 0.00          | 359.49       | 12,695.0   | 0.0          | -0.1         | 431,655.00      | 844,556.86     | 32° 10' 58.439 N | 103° 21' 11.660 W |
| - actual wellpath misses target center by 649.0usft at 12428.0usft MD (12389.6 TVD, -555.3 N, 139.4 E) |               |              |            |              |              |                 |                |                  |                   |
| - Rectangle (sides W100.0 H4,823.0 D20.0)                                                              |               |              |            |              |              |                 |                |                  |                   |
| PBHL (Mulva Fed Com #137H)                                                                             | 0.00          | 179.49       | 12,695.0   | -8,554.0     | 76.0         | 423,101.00      | 844,633.00     | 32° 9' 33.793 N  | 103° 21' 11.681 W |
| - actual wellpath misses target center by 44.6usft at 20557.0usft MD (12652.3 TVD, -8543.2 N, 68.5 E)  |               |              |            |              |              |                 |                |                  |                   |
| - Point                                                                                                |               |              |            |              |              |                 |                |                  |                   |
| LTP (Mulva Fed Com #137H)                                                                              | 0.00          | 0.00         | 12,695.5   | -8,459.0     | 75.0         | 423,196.00      | 844,632.00     | 32° 9' 34.733 N  | 103° 21' 11.682 W |
| - actual wellpath misses target center by 39.5usft at 20470.8usft MD (12656.8 TVD, -8457.2 N, 67.3 E)  |               |              |            |              |              |                 |                |                  |                   |
| - Point                                                                                                |               |              |            |              |              |                 |                |                  |                   |
| T2 (Mulva Fed Com #137H)                                                                               | 0.00          | 359.49       | 12,710.0   | 0.0          | -0.1         | 431,655.00      | 844,556.86     | 32° 10' 58.439 N | 103° 21' 11.660 W |
| - actual wellpath misses target center by 656.1usft at 12428.0usft MD (12389.6 TVD, -555.3 N, 139.4 E) |               |              |            |              |              |                 |                |                  |                   |
| - Rectangle (sides W100.0 H1,870.0 D20.0)                                                              |               |              |            |              |              |                 |                |                  |                   |
| T3 (Mulva Fed Com #137H)                                                                               | 1.00          | 359.49       | 12,813.0   | 0.0          | -0.1         | 431,655.00      | 844,556.86     | 32° 10' 58.439 N | 103° 21' 11.660 W |
| - actual wellpath misses target center by 712.1usft at 12428.0usft MD (12389.6 TVD, -555.3 N, 139.4 E) |               |              |            |              |              |                 |                |                  |                   |
| - Rectangle (sides W100.0 H2,565.3 D20.0)                                                              |               |              |            |              |              |                 |                |                  |                   |



# Intrepid Survey Report



|                  |                                  |                                     |                            |
|------------------|----------------------------------|-------------------------------------|----------------------------|
| <b>Company:</b>  | Tap Rock Resources, LLC          | <b>Local Co-ordinate Reference:</b> | Well Mulva Fed Com #137H   |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME)      | <b>TVD Reference:</b>               | KB @ 3313.0usft (H&P 312)  |
| <b>Site:</b>     | (Mulva Fed) Sec-27_T-24-S_R-35-E | <b>MD Reference:</b>                | KB @ 3313.0usft (H&P 312)  |
| <b>Well:</b>     | Mulva Fed Com #137H              | <b>North Reference:</b>             | Grid                       |
| <b>Wellbore:</b> | OWB                              | <b>Survey Calculation Method:</b>   | Minimum Curvature          |
| <b>Design:</b>   | AWB                              | <b>Database:</b>                    | EDM 5000.15 Single User Db |

## Formations

| Measured Depth (usft) | Vertical Depth (usft) | Name                 | Lithology | Dip (°) | Dip Direction (°) |
|-----------------------|-----------------------|----------------------|-----------|---------|-------------------|
| 985.1                 | 985.0                 | Rustler Anhydrite    |           |         |                   |
| 1,206.1               | 1,206.0               | Top Salt             |           |         |                   |
| 4,908.8               | 4,886.0               | Base Salt            |           |         |                   |
| 5,099.8               | 5,076.0               | Delaware Mountain Gp |           |         |                   |
| 5,104.8               | 5,081.0               | Lamar                |           |         |                   |
| 5,125.9               | 5,102.0               | Bell Canyon          |           |         |                   |
| 5,145.9               | 5,122.0               | Ramsey Sand          |           |         |                   |
| 6,091.5               | 6,065.0               | Cherry Canyon        |           |         |                   |
| 7,533.5               | 7,507.0               | Brushy Canyon        |           |         |                   |
| 8,876.7               | 8,850.0               | Bone Spring Lime     |           |         |                   |
| 8,914.4               | 8,887.7               | Upper Avalon         |           |         |                   |
| 9,115.7               | 9,089.0               | Middle Avalon        |           |         |                   |
| 9,778.7               | 9,752.0               | Lower Avalon         |           |         |                   |
| 10,127.4              | 10,100.7              | 1st Bone Spring Sand |           |         |                   |
| 10,446.1              | 10,419.3              | 2nd Bone Spring Carb |           |         |                   |
| 10,728.2              | 10,701.3              | 2nd Bone Spring Sand |           |         |                   |
| 11,202.0              | 11,175.0              | 3rd Bone Spring Carb |           |         |                   |
| 11,766.7              | 11,739.7              | 3rd Bone Spring Sand |           |         |                   |
| 12,025.7              | 11,998.7              | 3rd BS W Sand        |           |         |                   |
| 12,071.8              | 12,044.7              | Wolfcamp A X Sand    |           |         |                   |
| 12,112.4              | 12,085.3              | Wolfcamp A Y Sand    |           |         |                   |
| 12,181.4              | 12,154.3              | Wolfcamp A Lower     |           |         |                   |
| 12,490.5              | 12,440.0              | Wolfcamp B           |           |         |                   |
| 12,718.1              | 12,598.7              | Wolfcamp B1          |           |         |                   |

## Design Annotations

| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              | Comment                                          |
|-----------------------|-----------------------|-------------------|--------------|--------------------------------------------------|
|                       |                       | +N/-S (usft)      | +E/-W (usft) |                                                  |
| 12,649.5              | 12,550.8              | -703.0            | 115.0        | FTP @ 12649.5'MD, 100'FNL & 1873.7'FEL           |
| 20,472.9              | 12,656.7              | -8,459.3          | 67.4         | LTP @ 20472.9'MD, 100'FSL & 1987.7'FEL           |
| 20,484.0              | 12,656.2              | -8,470.3          | 67.5         | LAST SVY                                         |
| 20,557.0              | 12,652.3              | -8,543.2          | 68.5         | Projection to TD @ 20557'MD, 16'FSL & 1987.4'FEL |

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

|                                                                                                                                                                                                                                                                                                                                                                                       |                                    |                                                                                                                                                    |                                          |                   |                                     |                                                    |                        |                                                                     |          |               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------|-------------------------------------|----------------------------------------------------|------------------------|---------------------------------------------------------------------|----------|---------------|
| Submit To Appropriate District Office<br>Two Copies<br>District I<br>1625 N. French Dr., Hobbs, NM 88240<br>District II<br>811 S. First St., Artesia, NM 88210<br>District III<br>1000 Rio Brazos Rd., Aztec, NM 87410<br>District IV<br>1220 S. St. Francis Dr., Santa Fe, NM 87505                                                                                                  |                                    | State of New Mexico<br>Energy, Minerals and Natural Resources<br><br>Oil Conservation Division<br>1220 South St. Francis Dr.<br>Santa Fe, NM 87505 |                                          |                   | Form C-105<br>Revised April 3, 2017 |                                                    |                        |                                                                     |          |               |
| 1. WELL API NO. 30-025-47831                                                                                                                                                                                                                                                                                                                                                          |                                    |                                                                                                                                                    |                                          |                   |                                     |                                                    |                        |                                                                     |          |               |
| 2. Type of Lease<br><input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> FED/INDIAN                                                                                                                                                                                                                                                        |                                    |                                                                                                                                                    |                                          |                   |                                     |                                                    |                        |                                                                     |          |               |
| 3. State Oil & Gas Lease No.                                                                                                                                                                                                                                                                                                                                                          |                                    |                                                                                                                                                    |                                          |                   |                                     |                                                    |                        |                                                                     |          |               |
| WELL COMPLETION OR RECOMPLETION REPORT AND LOG                                                                                                                                                                                                                                                                                                                                        |                                    |                                                                                                                                                    |                                          |                   |                                     |                                                    |                        |                                                                     |          |               |
| 4. Reason for filing:<br><input checked="" type="checkbox"/> <b>COMPLETION REPORT</b> (Fill in boxes #1 through #31 for State and Fee wells only)<br><br><input type="checkbox"/> <b>C-144 CLOSURE ATTACHMENT</b> (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC) |                                    |                                                                                                                                                    |                                          |                   |                                     |                                                    |                        | 5. Lease Name or Unit Agreement Name<br>SEINFELD MULVA FEDERAL UNIT |          |               |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                    |                                                                                                                                                    |                                          |                   |                                     |                                                    |                        | 6. Well Number:<br><br>137H                                         |          |               |
| 7. Type of Completion:<br><input checked="" type="checkbox"/> NEW WELL <input type="checkbox"/> WORKOVER <input type="checkbox"/> DEEPENING <input type="checkbox"/> PLUGBACK <input type="checkbox"/> DIFFERENT RESERVOIR <input type="checkbox"/> OTHER                                                                                                                             |                                    |                                                                                                                                                    |                                          |                   |                                     |                                                    |                        |                                                                     |          |               |
| 8. Name of Operator<br>TAP ROCK OPERATING, LLC                                                                                                                                                                                                                                                                                                                                        |                                    |                                                                                                                                                    |                                          |                   |                                     |                                                    |                        | 9. OGRID<br>372043                                                  |          |               |
| 10. Address of Operator<br>523 PARK POINT DRIVE, SUITE 200, GOLDEN, CO                                                                                                                                                                                                                                                                                                                |                                    |                                                                                                                                                    |                                          |                   |                                     |                                                    |                        | 11. Pool name or Wildcat<br>WC-025 G-09 S243532M; WOLFBONE          |          |               |
| 12. Location                                                                                                                                                                                                                                                                                                                                                                          | Unit Ltr                           | Section                                                                                                                                            | Township                                 | Range             | Lot                                 | Feet from the                                      | N/S Line               | Feet from the                                                       | E/W Line | County        |
| Surface:                                                                                                                                                                                                                                                                                                                                                                              | O                                  | 27                                                                                                                                                 | 24S                                      | 35E               | -                                   | 604                                                | SOUTH                  | 1980                                                                | EAST     | LEA           |
| BH:                                                                                                                                                                                                                                                                                                                                                                                   | G                                  | 3                                                                                                                                                  | 25S                                      | 35E               | -                                   | 2650                                               | SOUTH                  | 1987                                                                | EAST     | LEA           |
| 13. Date Spudded<br>5/2/2022                                                                                                                                                                                                                                                                                                                                                          | 14. Date T.D. Reached<br>5/24/2022 |                                                                                                                                                    | 15. Date Rig Released<br>5/27/2022       |                   |                                     | 16. Date Completed (Ready to Produce)<br>8/18/2022 |                        | 17. Elevations (DF and RKB, RT, GR, etc.) 3287 GR                   |          |               |
| 18. Total Measured Depth of Well<br>20557 ft                                                                                                                                                                                                                                                                                                                                          |                                    |                                                                                                                                                    | 19. Plug Back Measured Depth<br>20490 ft |                   |                                     | 20. Was Directional Survey Made?<br>YES            |                        | 21. Type Electric and Other Logs Run<br>GAMMA                       |          |               |
| 22. Producing Interval(s), of this completion - Top, Bottom, Name<br>12659 ft to 20405 ft                                                                                                                                                                                                                                                                                             |                                    |                                                                                                                                                    |                                          |                   |                                     |                                                    |                        | WOLFBONE                                                            |          |               |
| 23. CASING RECORD (Report all strings set in well)                                                                                                                                                                                                                                                                                                                                    |                                    |                                                                                                                                                    |                                          |                   |                                     |                                                    |                        |                                                                     |          |               |
| CASING SIZE                                                                                                                                                                                                                                                                                                                                                                           |                                    | WEIGHT LB./FT.                                                                                                                                     |                                          | DEPTH SET         |                                     | HOLE SIZE                                          |                        | CEMENTING RECORD                                                    |          | AMOUNT PULLED |
| 13.375"                                                                                                                                                                                                                                                                                                                                                                               |                                    | 54.5                                                                                                                                               |                                          | 1075'             |                                     | 17.5"                                              |                        | 970 sks                                                             |          | 0             |
| 7.625"                                                                                                                                                                                                                                                                                                                                                                                |                                    | 29.7                                                                                                                                               |                                          | 12110'            |                                     | 9.875"                                             |                        | 1461 sks                                                            |          | 0             |
| 5.5"                                                                                                                                                                                                                                                                                                                                                                                  |                                    | 20                                                                                                                                                 |                                          | 20537'            |                                     | 6.75"                                              |                        | 882 sks                                                             |          | 0             |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                    |                                                                                                                                                    |                                          |                   |                                     |                                                    |                        |                                                                     |          |               |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                    |                                                                                                                                                    |                                          |                   |                                     |                                                    |                        |                                                                     |          |               |
| 24. LINER RECORD                                                                                                                                                                                                                                                                                                                                                                      |                                    |                                                                                                                                                    |                                          |                   |                                     | 25. TUBING RECORD                                  |                        |                                                                     |          |               |
| SIZE                                                                                                                                                                                                                                                                                                                                                                                  | TOP                                | BOTTOM                                                                                                                                             | SACKS CEMENT                             | SCREEN            | SIZE                                | DEPTH SET                                          | PACKER SET             |                                                                     |          |               |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                    |                                                                                                                                                    |                                          |                   |                                     |                                                    |                        |                                                                     |          |               |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                    |                                                                                                                                                    |                                          |                   |                                     |                                                    |                        |                                                                     |          |               |
| 26. Perforation record (interval, size, and number)                                                                                                                                                                                                                                                                                                                                   |                                    |                                                                                                                                                    |                                          |                   |                                     | 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.    |                        |                                                                     |          |               |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                    |                                                                                                                                                    |                                          |                   |                                     | DEPTH INTERVAL                                     |                        | AMOUNT AND KIND MATERIAL USED                                       |          |               |
| Perforate from 12659 ft to 20405 ft, 1 SPF, .55 inch holes with 507 total shots                                                                                                                                                                                                                                                                                                       |                                    |                                                                                                                                                    |                                          |                   |                                     | 12659 ft to 20405 ft                               |                        | 39 stage frac with 19,406,540 lbs of 100 mesh sand                  |          |               |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                    |                                                                                                                                                    |                                          |                   |                                     |                                                    |                        |                                                                     |          |               |
|                                                                                                                                                                                                                                                                                                                                                                                       |                                    |                                                                                                                                                    |                                          |                   |                                     |                                                    |                        |                                                                     |          |               |
| 28. PRODUCTION                                                                                                                                                                                                                                                                                                                                                                        |                                    |                                                                                                                                                    |                                          |                   |                                     |                                                    |                        |                                                                     |          |               |
| Date First Production<br>8/26/2022                                                                                                                                                                                                                                                                                                                                                    |                                    | Production Method (Flowing, gas lift, pumping - Size and type pump)<br>Flowing                                                                     |                                          |                   |                                     | Well Status (Prod. or Shut-in)<br>Producing        |                        |                                                                     |          |               |
| Date of Test<br>9/10/2022                                                                                                                                                                                                                                                                                                                                                             | Hours Tested<br>24 hrs             | Choke Size<br>30/64                                                                                                                                | Prod'n For Test Period                   | Oil - Bbl<br>1024 | Gas - MCF<br>1021                   | Water - Bbl.<br>495                                | Gas - Oil Ratio<br>997 |                                                                     |          |               |
| Flow Tubing Press.<br>0                                                                                                                                                                                                                                                                                                                                                               | Casing Pressure<br>2500            | Calculated 24-Hour Rate                                                                                                                            | Oil - Bbl.<br>1024                       | Gas - MCF<br>1021 | Water - Bbl.<br>495                 | Oil Gravity - API - (Corr.)                        |                        |                                                                     |          |               |
| 29. Disposition of Gas (Sold, used for fuel, vented, etc.)<br>Sold                                                                                                                                                                                                                                                                                                                    |                                    |                                                                                                                                                    |                                          |                   |                                     |                                                    | 30. Test Witnessed By  |                                                                     |          |               |
| 31. List Attachments<br>C-102, Directional Survey                                                                                                                                                                                                                                                                                                                                     |                                    |                                                                                                                                                    |                                          |                   |                                     |                                                    |                        |                                                                     |          |               |
| 32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.                                                                                                                                                                                                                                                                                    |                                    |                                                                                                                                                    |                                          |                   |                                     |                                                    | 33. Rig Release Date:  |                                                                     |          |               |
| 34. If an on-site burial was used at the well, report the exact location of the on-site burial:                                                                                                                                                                                                                                                                                       |                                    |                                                                                                                                                    |                                          |                   |                                     |                                                    |                        |                                                                     |          |               |
| Latitude                                                                                                                                                                                                                                                                                                                                                                              |                                    |                                                                                                                                                    |                                          | Longitude         |                                     |                                                    |                        | NAD83                                                               |          |               |
| I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief                                                                                                                                                                                                                                                    |                                    |                                                                                                                                                    |                                          |                   |                                     |                                                    |                        |                                                                     |          |               |
| Signature                                                                                                                                                                                                                                                                                          |                                    |                                                                                                                                                    | Printed Name Jeff Trlica                 |                   |                                     | Title Regulatory Analyst                           |                        | Date 9/13/2022                                                      |          |               |
| E-mail Address jtrlica@taprock.com                                                                                                                                                                                                                                                                                                                                                    |                                    |                                                                                                                                                    |                                          |                   |                                     |                                                    |                        |                                                                     |          |               |

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

[illegible]

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

Include data on rate of water inflow and elevation to which water rose in hole.

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

| From  | To    | Thickness<br>In Feet | Lithology            | From | To | Thickness<br>In Feet | Lithology |
|-------|-------|----------------------|----------------------|------|----|----------------------|-----------|
| 0     | 554   |                      | Quaternary           |      |    |                      |           |
| 554   | 1148  |                      | Rustler              |      |    |                      |           |
| 1148  | 4859  |                      | Top of Salt          |      |    |                      |           |
| 4859  | 5140  |                      | Base of Salt         |      |    |                      |           |
| 5140  | 5171  |                      | Lamar                |      |    |                      |           |
| 5171  | 6102  |                      | Bell Canyon          |      |    |                      |           |
| 6102  | 7665  |                      | Cherry Canyon        |      |    |                      |           |
| 7665  | 8944  |                      | Brushy Canyon        |      |    |                      |           |
| 8944  | 9417  |                      | Bone Spring          |      |    |                      |           |
| 9417  | 10160 |                      | Avalon               |      |    |                      |           |
| 10160 | 10762 |                      | 1st Bone Spring Sand |      |    |                      |           |
| 10762 | 11787 |                      | 2nd Bone Spring Sand |      |    |                      |           |
| 11787 | 12069 |                      | 3rd Bone Spring Sand |      |    |                      |           |
| 12069 | 12483 |                      | Wolfcamp A           |      |    |                      |           |
| 12483 |       |                      | Wolfcamp B           |      |    |                      |           |

**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 143023

ACKNOWLEDGMENTS

|                                                                                  |                                                    |
|----------------------------------------------------------------------------------|----------------------------------------------------|
| Operator:<br>TAP ROCK OPERATING, LLC<br>523 Park Point Drive<br>Golden, CO 80401 | OGRID:<br>372043                                   |
|                                                                                  | Action Number:<br>143023                           |
|                                                                                  | Action Type:<br>[C-104] Completion Packet (C-104C) |

ACKNOWLEDGMENTS

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

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

CONDITIONS  
  
Action 143023

CONDITIONS

|                                                                                  |                                                    |
|----------------------------------------------------------------------------------|----------------------------------------------------|
| Operator:<br>TAP ROCK OPERATING, LLC<br>523 Park Point Drive<br>Golden, CO 80401 | OGRID:<br>372043                                   |
|                                                                                  | Action Number:<br>143023                           |
|                                                                                  | Action Type:<br>[C-104] Completion Packet (C-104C) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|-----------|----------------|
| plmartinez | None      | 11/9/2023      |