

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

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised July 18, 2013

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

|                                                                                                     |
|-----------------------------------------------------------------------------------------------------|
| WELL API NO.<br>30-025-48739                                                                        |
| 5. Indicate Type of Lease<br>STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil & Gas Lease No.                                                                        |
| 7. Lease Name or Unit Agreement Name<br>Prometheus State Com                                        |
| 8. Well Number 202H                                                                                 |
| 9. OGRID Number 372043                                                                              |
| 10. Pool name or Wildcat<br>WC-025 G-08 S243310P;UPPER WOLFCAMP                                     |

|                                                                                                                                                                                                                       |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| SUNDRY NOTICES AND REPORTS ON WELLS<br>(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)                |  |
| 1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other                                                                                                                 |  |
| 2. Name of Operator<br>TAP ROCK OPERATING, LLC                                                                                                                                                                        |  |
| 3. Address of Operator<br>523 PARK POINT DR, SUITE 200, GOLDEN, CO 80401                                                                                                                                              |  |
| 4. Well Location<br>Unit Letter <u>N</u> : <u>836</u> feet from the <u>South</u> line and <u>1720</u> feet from the <u>West</u> line<br>Section <u>22</u> Township <u>24S</u> Range <u>33E</u> NMPM County <u>LEA</u> |  |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br>3541                                                                                                                                                            |  |

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

| NOTICE OF INTENTION TO:                                         | SUBSEQUENT REPORT OF:                            |
|-----------------------------------------------------------------|--------------------------------------------------|
| PERFORM REMEDIAL WORK <input type="checkbox"/>                  | REMEDIAL WORK <input type="checkbox"/>           |
| TEMPORARILY ABANDON <input type="checkbox"/>                    | ALTERING CASING <input type="checkbox"/>         |
| PULL OR ALTER CASING <input type="checkbox"/>                   | COMMENCE DRILLING OPNS. <input type="checkbox"/> |
| DOWNHOLE COMMINGLE <input type="checkbox"/>                     | P AND A <input type="checkbox"/>                 |
| CLOSED-LOOP SYSTEM <input type="checkbox"/>                     | CASING/CEMENT JOB <input type="checkbox"/>       |
| OTHER: Bottom Hole Location <input checked="" type="checkbox"/> | OTHER: <input type="checkbox"/>                  |

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

Tap Rock Operating is requesting permission to alter the bottom hole location for the Prometheus State Com 202H. Please see the attached plat and drill plan for details of the Bottom Hole Location move. The Bottom hole location is changing from:

Previously Approved Bottom Hole Location: 30 FNL, 2260 FWL, Section 15, Township 24S, Range 33E

Proposed Bottom Hole Location: 30 FNL, 2590 FWL, Section 15, Township 24S, Range 33E

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

SIGNATURE  TITLE Regulatory Analyst DATE 10/11/2021

Type or print name Bill Ramsey E-mail address: bramsey@taprk.com PHONE: 720-238-2787

**For State Use Only**

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

Conditions of Approval (if any): \_\_\_\_\_

District I  
1625 N. French Dr., Hobbs, NM 88240  
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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

## WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                         |  |                                                        |  |                                                                |                                  |
|-----------------------------------------|--|--------------------------------------------------------|--|----------------------------------------------------------------|----------------------------------|
| <sup>1</sup> API Number<br>30-025-48739 |  | <sup>2</sup> Pool Code<br>98135                        |  | <sup>3</sup> Pool Name<br>WC-025 G-08 S243310P; UPPER WOLFCAMP |                                  |
| <sup>4</sup> Property Code<br>330700    |  | <sup>5</sup> Property Name<br>PROMETHEUS STATE COM     |  |                                                                | <sup>6</sup> Well Number<br>202H |
| <sup>7</sup> OGRID No.<br>#372043       |  | <sup>8</sup> Operator Name<br>TAP ROCK OPERATING, LLC. |  |                                                                | <sup>9</sup> Elevation<br>3541'  |

<sup>10</sup>Surface Location

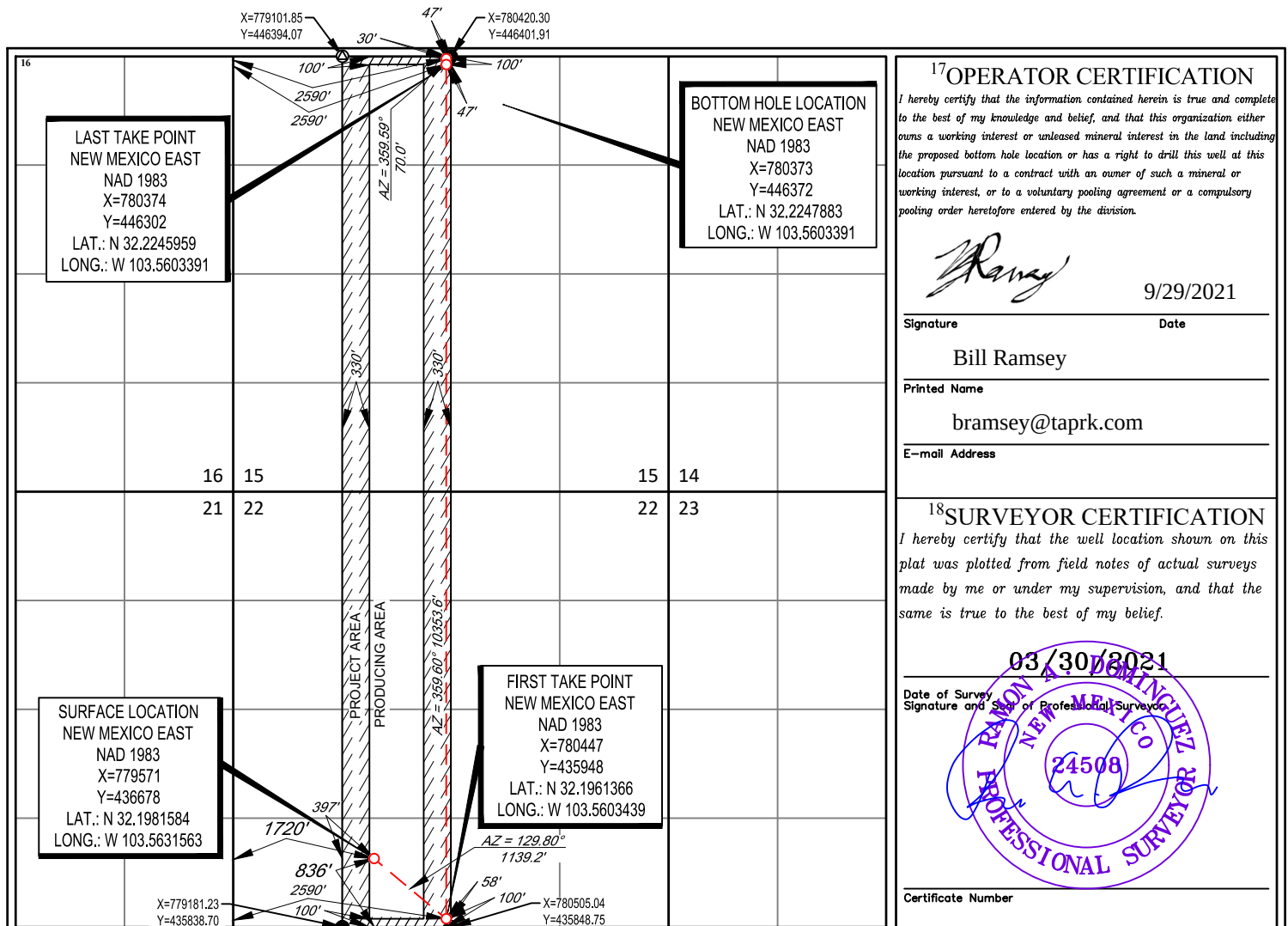
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| N             | 22      | 24-S     | 33-E  | -       | 836'          | SOUTH            | 1720'         | WEST           | 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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| C             | 15      | 24-S     | 33-E  | -       | 30'           | NORTH            | 2590'         | WEST           | LEA    |

|                                      |                               |                                  |                         |
|--------------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres<br>320 | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No. |
|--------------------------------------|-------------------------------|----------------------------------|-------------------------|

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

<sup>17</sup>OPERATOR CERTIFICATION

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

*Bill Ramsey*

9/29/2021

Signature

Date

Bill Ramsey

Printed Name

bramsey@taprk.com

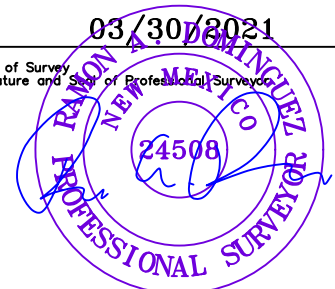
E-mail Address

<sup>18</sup>SURVEYOR CERTIFICATION

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

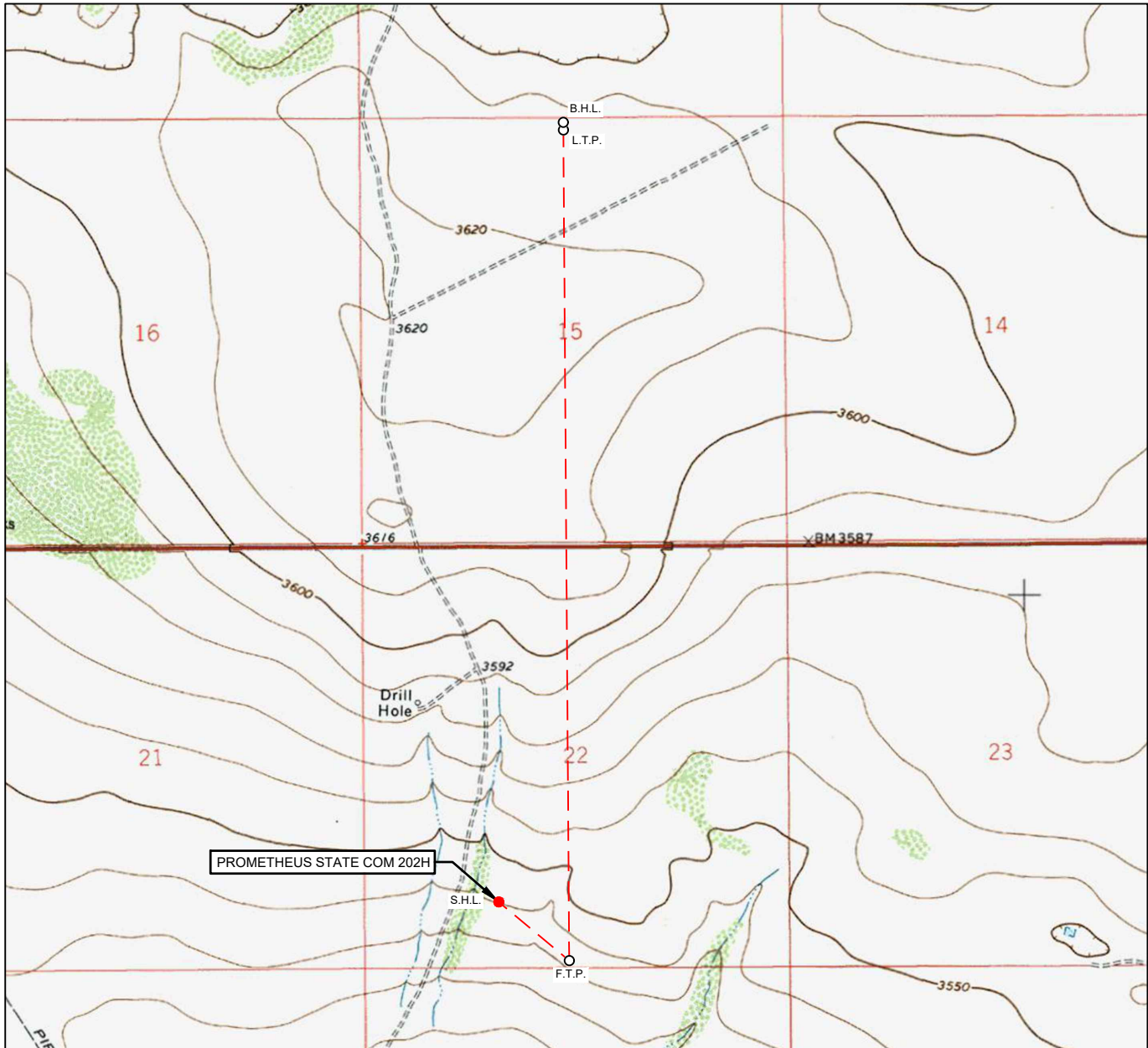
03/30/2021

Date of Survey  
Signature and Seal of Professional Surveyor



Certificate Number

## LOCATION &amp; ELEVATION VERIFICATION MAP

LEASE NAME & WELL NO.: PROMETHEUS STATE COM 202H

SECTION 22 TWP 24-S RGE 33-E SURVEY N.M.P.M.  
 COUNTY LEA STATE NM ELEVATION 3541'  
 DESCRIPTION 836' FSL & 1720' FWL

LATITUDE N 32.1981584 LONGITUDE W 103.5631563

SCALE: 1" = 2000'  
 0' 1000' 2000'

THIS EASEMENT/SERVITUDE 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.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.



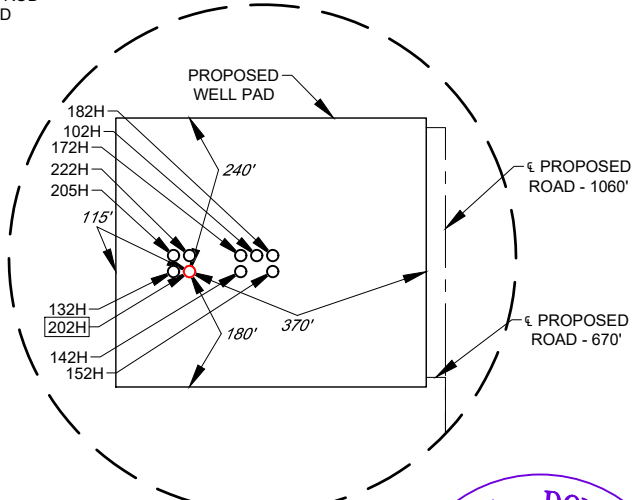
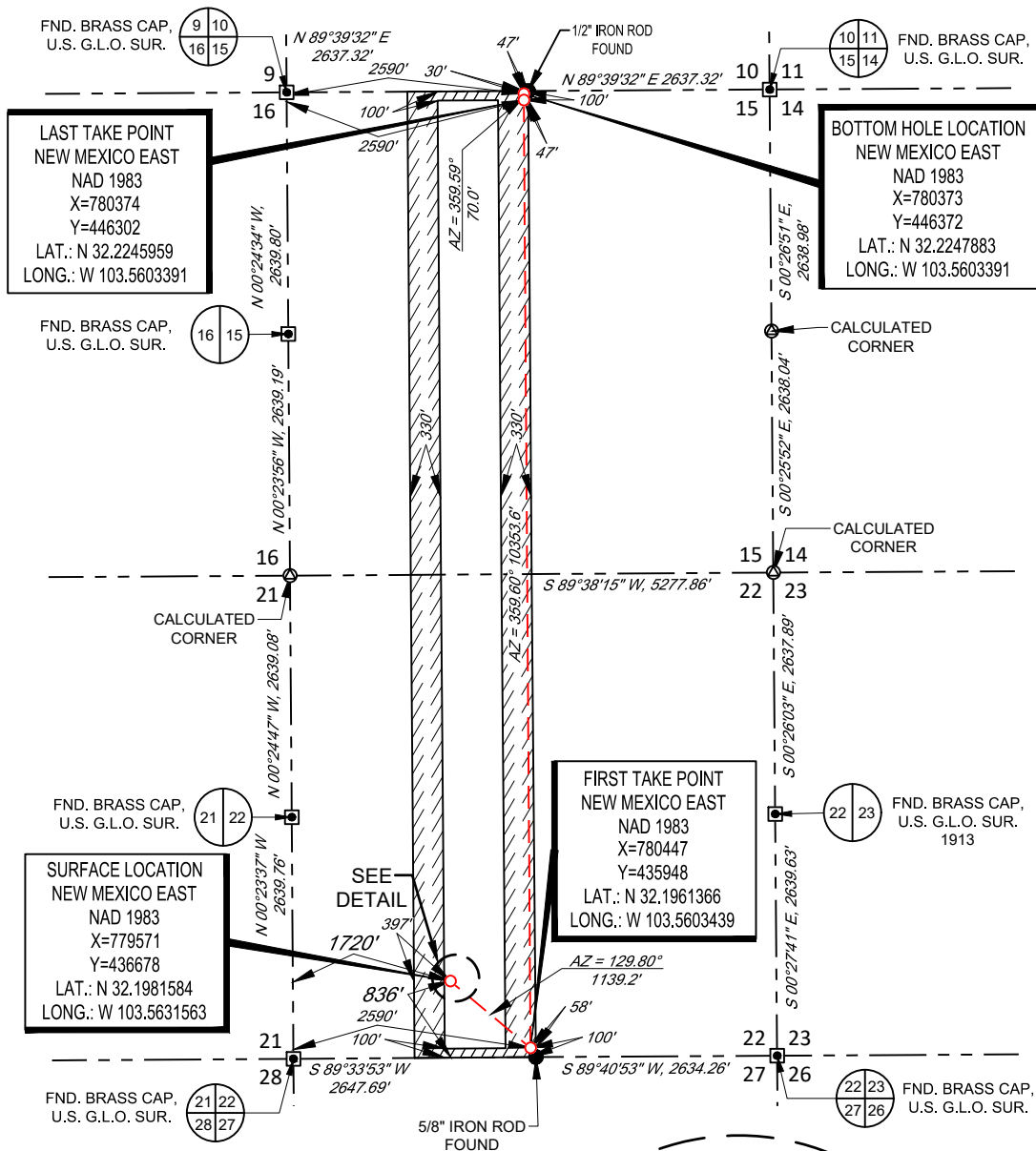
**TOPOGRAPHIC**  
 LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140  
 TELEPHONE: (817) 744-7512 • FAX (817) 744-7554  
 2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705  
 TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743  
 WWW.TOPOGRAPHIC.COM



TAP  
ROCK  
EXHIBIT 2A

SECTION 22, TOWNSHIP 24-S, RANGE 33-E, N.M.P.M.  
LEA COUNTY, NEW MEXICO



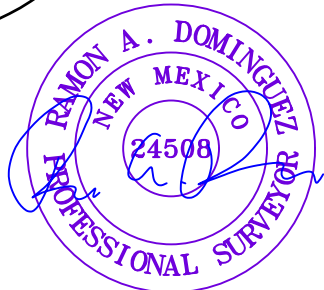
SCALE: 1" = 2000'  
0' 1000' 2000'

LEASE NAME & WELL NO.: \_\_\_\_\_ PROMETHEUS STATE COM 202H

SECTION 22 TWP 24-S RGE 33-E SURVEY N.M.P.M.  
COUNTY LEA STATE NM  
DESCRIPTION 836' FSL & 1720' FWL

DISTANCE & DIRECTION  
FROM INT. OF NM-128. & DELAWARE BASIN RD.. GO WEST ON NM-128  
±3.3 MILES. THENCE SOUTH (LEFT) ON DIAMOND RD./J-2 ±1.1 MILES.  
THENCE EAST (LEFT) ON A PROPOSED RD. ±1335 FEET, THENCE  
NORTH (LEFT) ON A PROPOSED RD. ±670 FEET TO A POINT ±405 FEET  
SOUTHEAST OF THE LOCATION.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID  
BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY  
FEET.  
THIS EASEMENT/SERVITUDE 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.



Ramon A. Dominguez, P.S. No. 25408  
SEPTEMBER 13, 2021

**TOPOGRAPHIC**  
LOYALTY INNOVATION LEGACY  
1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140  
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554  
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705  
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743  
WWW.TOPOGRAPHIC.COM



## EXHIBIT 2B

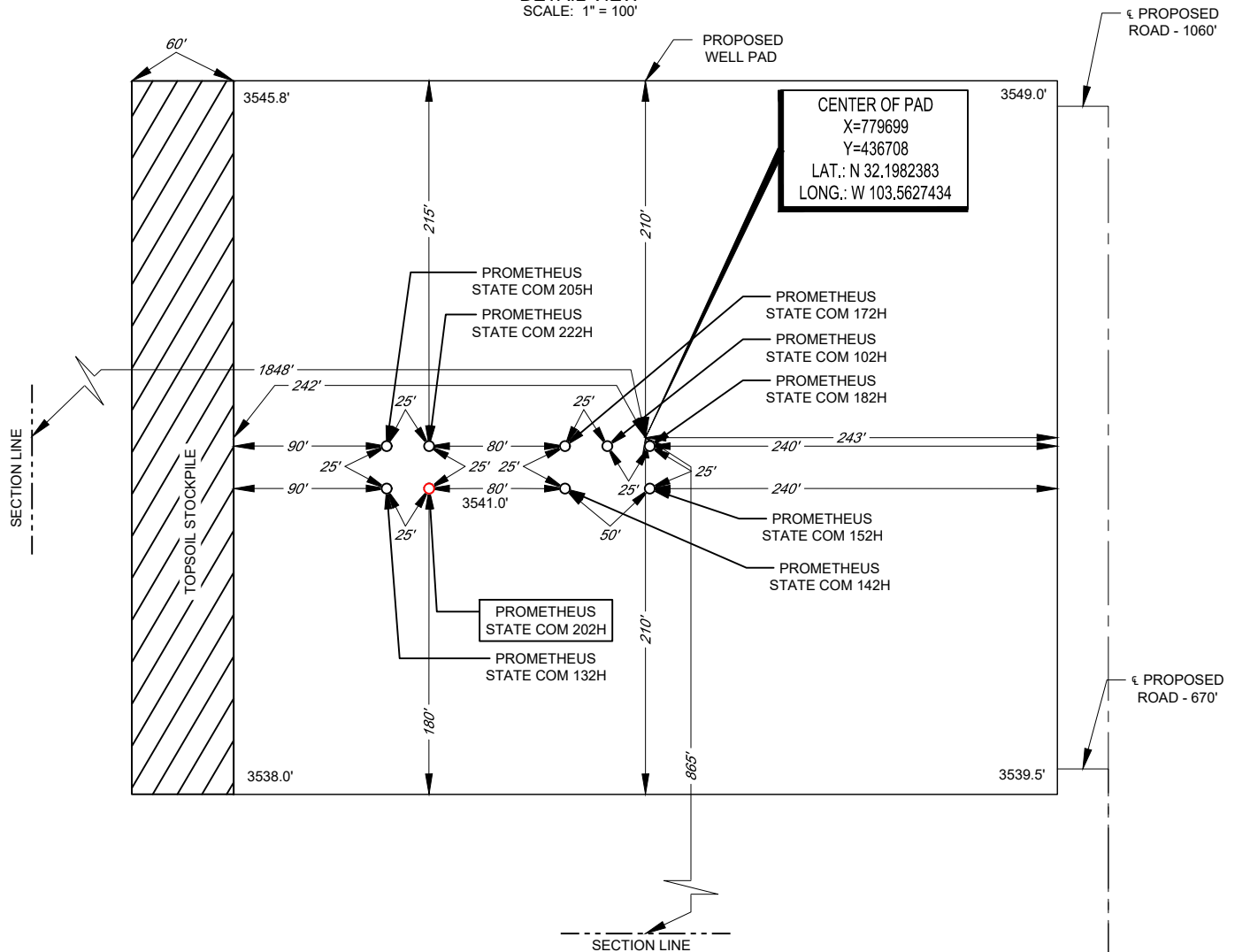


SECTION 22, TOWNSHIP 24-S, RANGE 33-E, N.M.P.M.  
LEA COUNTY, NEW MEXICO

## LEGEND

----- SECTION LINE  
----- PROPOSED ROAD

DETAIL VIEW  
SCALE: 1" = 100'



LEASE NAME & WELL NO.: PROMETHEUS STATE COM 202H  
202H LATITUDE N 32.1981584 202H LONGITUDE W 103.5631563

CENTER OF PAD IS 865' FSL & 1848' FWL

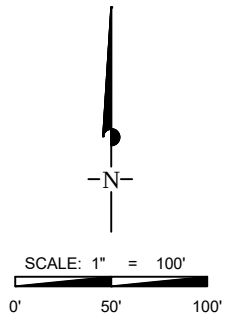


Ramon A. Dominguez, P.S. No. 25408

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET. ELEVATIONS USED ARE NAVD88, OBTAINED THROUGH AN OPUS SOLUTION.

THIS PROPOSED PAD SITE 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. ONLY THE DATA SHOWN ABOVE IS BEING CERTIFIED TO, ALL OTHER INFORMATION WAS INTENTIONALLY OMITTED. THIS PLAT IS ONLY INTENDED TO BE USED FOR A PERMIT AND IS NOT A BOUNDARY SURVEY. 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.

ORIGINAL DOCUMENT SIZE: 8.5" X 11"



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WWW.TOPOGRAPHIC.COM

PROMETHEUS STATE COM 202H

| Interval     | Hole Size | Casing OD | Casing Weight | Casing Grade | Set Depth | Sacks of Cement | Planned TOC | Mud Type     |
|--------------|-----------|-----------|---------------|--------------|-----------|-----------------|-------------|--------------|
| Surface      | 13.5      | 10.75     | 45.5          | J-55         | 1252      | 566             | 0           | Fresh Water  |
| Intermediate | 9.875     | 7.625     | 29.7          | P-110        | 9250      | 1651            | 0           | Diesel Brine |
|              | 8.75      | 7.625     | 29.7          | P-110        | 11930     |                 |             |              |
| Production   | 6.75      | 5.5       | 20            | P-110        | 22830     | 843             | 11730       | OBM          |

Intermediate mud system will be the direct brine emulsion fluid (brine based with diesel emulsified in it). Tap Rock requests the option of switching to a two stage cement job on the 7-5/8" intermediate casing string with the first stage lead and tail being pumped conventionally with the calculated top of cement to surface. If necessary, the second stage will be performed as a bradenhead squeeze with planned cement from the Brushy Canyon (anticipated loss zone) to surface if cement is not circulated to surface during the first stage. Additionally, a top out consisting of Class C cement will be executed as needed after the first two stages. Tap Rock also requests the option to run a DV tool, the depth will be adjusted depending on current hole conditions. Cement volumes will be adjusted accordingly. The DV tool will be set a minimum of 50' below the previous casing shoe and a maximum of 200' above the current casing shoe. If cement is not circulated to surface on the 1st stage job, the 2nd stage will be pumped as planned. The DVT set depth will be between 5,000-6,000'.



# **Tap Rock Resources, LLC**

**Lea County, NM (NAD 83 NME)  
(Prometheus State) Sec-22\_T-24-S\_R-34-E  
Prometheus State Com #202H**

**OWB**

**Plan: Plan #2**

## **Standard Planning Report**

**05 October, 2021**







# Intrepid Planning Report



|                  |                                        |                                     |                                 |
|------------------|----------------------------------------|-------------------------------------|---------------------------------|
| <b>Database:</b> | EDM 5000.15 Single User Db             | <b>Local Co-ordinate Reference:</b> | Well Prometheus State Com #202H |
| <b>Company:</b>  | Tap Rock Resources, LLC                | <b>TVD Reference:</b>               | KB @ 3567.0usft                 |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME)            | <b>MD Reference:</b>                | KB @ 3567.0usft                 |
| <b>Site:</b>     | (Promethus State) Sec-22_T-24-S_R-34-E | <b>North Reference:</b>             | Grid                            |
| <b>Well:</b>     | Prometheus State Com #202H             | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Wellbore:</b> | OWB                                    |                                     |                                 |
| <b>Design:</b>   | Plan #2                                |                                     |                                 |

|                    |                             |                      |                |
|--------------------|-----------------------------|----------------------|----------------|
| <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>                  | (Promethus State) Sec-22_T-24-S_R-34-E |                          |                  |
| <b>Site Position:</b>        |                                        | <b>Northing:</b>         | 436,982.00 usft  |
| <b>From:</b>                 | Map                                    | <b>Easting:</b>          | 778,079.00 usft  |
| <b>Position Uncertainty:</b> | 0.0 usft                               | <b>Slot Radius:</b>      | 13-3/16 "        |
|                              |                                        | <b>Latitude:</b>         | 32° 11' 56.488 N |
|                              |                                        | <b>Longitude:</b>        | 103° 34' 4.705 W |
|                              |                                        | <b>Grid Convergence:</b> | 0.41 °           |

|                             |                            |                            |                                     |
|-----------------------------|----------------------------|----------------------------|-------------------------------------|
| <b>Well</b>                 | Prometheus State Com #202H |                            |                                     |
| <b>Well Position</b>        | <b>+N/-S</b>               | -304.0 usft                | <b>Northing:</b> 436,678.00 usft    |
|                             | <b>+E/-W</b>               | 1,492.0 usft               | <b>Easting:</b> 779,571.00 usft     |
| <b>Position Uncertainty</b> | 0.0 usft                   | <b>Wellhead Elevation:</b> | <b>Latitude:</b> 32° 11' 53.374 N   |
|                             |                            |                            | <b>Longitude:</b> 103° 33' 47.367 W |
|                             |                            |                            | <b>Ground Level:</b> 3,541.0 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> |
|                  | IGRF2015          | 04/10/21           | 6.53                   | 59.99                | 47,530.88647389            |

|                          |                                |                     |                      |                      |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| <b>Design</b>            | Plan #2                        |                     |                      |                      |
| <b>Audit Notes:</b>      |                                |                     |                      |                      |
| <b>Version:</b>          | <b>Phase:</b>                  | PLAN                | <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                  | 359.59               |

|                                 |                        |                          |                     |                |
|---------------------------------|------------------------|--------------------------|---------------------|----------------|
| <b>Plan Survey Tool Program</b> | <b>Date</b>            | 10/05/21                 |                     |                |
| <b>Depth From (usft)</b>        | <b>Depth To (usft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b>    | <b>Remarks</b> |
| 1                               | 0.0                    | 22,832.5 Plan #2 (OWB)   | MWD                 |                |
|                                 |                        |                          | OWSG MWD - Standard |                |

|                              |                        |                    |                              |                     |                     |                                |                               |                              |                |                   |
|------------------------------|------------------------|--------------------|------------------------------|---------------------|---------------------|--------------------------------|-------------------------------|------------------------------|----------------|-------------------|
| <b>Plan Sections</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>Dogleg Rate (°/100usft)</b> | <b>Build Rate (°/100usft)</b> | <b>Turn Rate (°/100usft)</b> | <b>TFO (°)</b> | <b>Target</b>     |
| 0.0                          | 0.00                   | 0.00               | 0.0                          | 0.0                 | 0.0                 | 0.00                           | 0.00                          | 0.00                         | 0.00           |                   |
| 1,500.0                      | 0.00                   | 0.00               | 1,500.0                      | 0.0                 | 0.0                 | 0.00                           | 0.00                          | 0.00                         | 0.00           |                   |
| 2,400.0                      | 9.00                   | 131.67             | 2,396.3                      | -46.9               | 52.7                | 1.00                           | 1.00                          | 0.00                         | 131.67         |                   |
| 8,998.7                      | 9.00                   | 131.67             | 8,913.7                      | -733.1              | 823.8               | 0.00                           | 0.00                          | 0.00                         | 0.00           |                   |
| 9,898.6                      | 0.00                   | 0.00               | 9,810.0                      | -780.0              | 876.5               | 1.00                           | -1.00                         | 0.00                         | 180.00         |                   |
| 12,030.6                     | 0.00                   | 0.00               | 11,942.0                     | -780.0              | 876.5               | 0.00                           | 0.00                          | 0.00                         | 0.00           |                   |
| 12,936.7                     | 90.60                  | 359.59             | 12,514.9                     | -201.0              | 872.4               | 10.00                          | 10.00                         | -0.04                        | 359.59         |                   |
| 22,832.5                     | 90.60                  | 359.59             | 12,410.5                     | 9,694.0             | 802.0               | 0.00                           | 0.00                          | 0.00                         | 0.00           | PBHL (Prometheus) |



# Intrepid Planning Report



**Database:** EDM 5000.15 Single User Db  
**Company:** Tap Rock Resources, LLC  
**Project:** Lea County, NM (NAD 83 NME)  
**Site:** (Prometheus State) Sec-22\_T-24-S\_R-34-E  
**Well:** Prometheus State Com #202H  
**Wellbore:** OWB  
**Design:** Plan #2

**Local Co-ordinate Reference:** Well Prometheus State Com #202H  
**TVD Reference:** KB @ 3567.0usft  
**MD Reference:** KB @ 3567.0usft  
**North Reference:** Grid  
**Survey Calculation Method:** Minimum Curvature

| Planned 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) |
| 0.0                   | 0.00            | 0.00        | 0.0                   | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 100.0                 | 0.00            | 0.00        | 100.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 200.0                 | 0.00            | 0.00        | 200.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 300.0                 | 0.00            | 0.00        | 300.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 400.0                 | 0.00            | 0.00        | 400.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 500.0                 | 0.00            | 0.00        | 500.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 600.0                 | 0.00            | 0.00        | 600.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 700.0                 | 0.00            | 0.00        | 700.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 800.0                 | 0.00            | 0.00        | 800.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 900.0                 | 0.00            | 0.00        | 900.0                 | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,000.0               | 0.00            | 0.00        | 1,000.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,100.0               | 0.00            | 0.00        | 1,100.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,200.0               | 0.00            | 0.00        | 1,200.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,300.0               | 0.00            | 0.00        | 1,300.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,400.0               | 0.00            | 0.00        | 1,400.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,500.0               | 0.00            | 0.00        | 1,500.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,600.0               | 1.00            | 131.67      | 1,600.0               | -0.6         | 0.7          | -0.6                    | 1.00                    | 1.00                   | 0.00                  |
| 1,700.0               | 2.00            | 131.67      | 1,700.0               | -2.3         | 2.6          | -2.3                    | 1.00                    | 1.00                   | 0.00                  |
| 1,800.0               | 3.00            | 131.67      | 1,799.9               | -5.2         | 5.9          | -5.3                    | 1.00                    | 1.00                   | 0.00                  |
| 1,900.0               | 4.00            | 131.67      | 1,899.7               | -9.3         | 10.4         | -9.4                    | 1.00                    | 1.00                   | 0.00                  |
| 2,000.0               | 5.00            | 131.67      | 1,999.4               | -14.5        | 16.3         | -14.6                   | 1.00                    | 1.00                   | 0.00                  |
| 2,100.0               | 6.00            | 131.67      | 2,098.9               | -20.9        | 23.4         | -21.0                   | 1.00                    | 1.00                   | 0.00                  |
| 2,200.0               | 7.00            | 131.67      | 2,198.3               | -28.4        | 31.9         | -28.6                   | 1.00                    | 1.00                   | 0.00                  |
| 2,300.0               | 8.00            | 131.67      | 2,297.4               | -37.1        | 41.7         | -37.4                   | 1.00                    | 1.00                   | 0.00                  |
| 2,400.0               | 9.00            | 131.67      | 2,396.3               | -46.9        | 52.7         | -47.3                   | 1.00                    | 1.00                   | 0.00                  |
| 2,500.0               | 9.00            | 131.67      | 2,495.1               | -57.3        | 64.4         | -57.8                   | 0.00                    | 0.00                   | 0.00                  |
| 2,600.0               | 9.00            | 131.67      | 2,593.8               | -67.7        | 76.1         | -68.2                   | 0.00                    | 0.00                   | 0.00                  |
| 2,700.0               | 9.00            | 131.67      | 2,692.6               | -78.1        | 87.8         | -78.7                   | 0.00                    | 0.00                   | 0.00                  |
| 2,800.0               | 9.00            | 131.67      | 2,791.4               | -88.5        | 99.4         | -89.2                   | 0.00                    | 0.00                   | 0.00                  |
| 2,900.0               | 9.00            | 131.67      | 2,890.1               | -98.9        | 111.1        | -99.7                   | 0.00                    | 0.00                   | 0.00                  |
| 3,000.0               | 9.00            | 131.67      | 2,988.9               | -109.3       | 122.8        | -110.2                  | 0.00                    | 0.00                   | 0.00                  |
| 3,100.0               | 9.00            | 131.67      | 3,087.7               | -119.7       | 134.5        | -120.6                  | 0.00                    | 0.00                   | 0.00                  |
| 3,200.0               | 9.00            | 131.67      | 3,186.5               | -130.1       | 146.2        | -131.1                  | 0.00                    | 0.00                   | 0.00                  |
| 3,300.0               | 9.00            | 131.67      | 3,285.2               | -140.5       | 157.9        | -141.6                  | 0.00                    | 0.00                   | 0.00                  |
| 3,400.0               | 9.00            | 131.67      | 3,384.0               | -150.9       | 169.6        | -152.1                  | 0.00                    | 0.00                   | 0.00                  |
| 3,500.0               | 9.00            | 131.67      | 3,482.8               | -161.3       | 181.2        | -162.6                  | 0.00                    | 0.00                   | 0.00                  |
| 3,600.0               | 9.00            | 131.67      | 3,581.5               | -171.7       | 192.9        | -173.1                  | 0.00                    | 0.00                   | 0.00                  |
| 3,700.0               | 9.00            | 131.67      | 3,680.3               | -182.1       | 204.6        | -183.5                  | 0.00                    | 0.00                   | 0.00                  |
| 3,800.0               | 9.00            | 131.67      | 3,779.1               | -192.5       | 216.3        | -194.0                  | 0.00                    | 0.00                   | 0.00                  |
| 3,900.0               | 9.00            | 131.67      | 3,877.8               | -202.9       | 228.0        | -204.5                  | 0.00                    | 0.00                   | 0.00                  |
| 4,000.0               | 9.00            | 131.67      | 3,976.6               | -213.3       | 239.7        | -215.0                  | 0.00                    | 0.00                   | 0.00                  |
| 4,100.0               | 9.00            | 131.67      | 4,075.4               | -223.7       | 251.4        | -225.5                  | 0.00                    | 0.00                   | 0.00                  |
| 4,200.0               | 9.00            | 131.67      | 4,174.1               | -234.1       | 263.0        | -236.0                  | 0.00                    | 0.00                   | 0.00                  |
| 4,300.0               | 9.00            | 131.67      | 4,272.9               | -244.5       | 274.7        | -246.4                  | 0.00                    | 0.00                   | 0.00                  |
| 4,400.0               | 9.00            | 131.67      | 4,371.7               | -254.9       | 286.4        | -256.9                  | 0.00                    | 0.00                   | 0.00                  |
| 4,500.0               | 9.00            | 131.67      | 4,470.5               | -265.3       | 298.1        | -267.4                  | 0.00                    | 0.00                   | 0.00                  |
| 4,600.0               | 9.00            | 131.67      | 4,569.2               | -275.7       | 309.8        | -277.9                  | 0.00                    | 0.00                   | 0.00                  |
| 4,700.0               | 9.00            | 131.67      | 4,668.0               | -286.1       | 321.5        | -288.4                  | 0.00                    | 0.00                   | 0.00                  |
| 4,800.0               | 9.00            | 131.67      | 4,766.8               | -296.5       | 333.2        | -298.9                  | 0.00                    | 0.00                   | 0.00                  |
| 4,900.0               | 9.00            | 131.67      | 4,865.5               | -306.9       | 344.8        | -309.3                  | 0.00                    | 0.00                   | 0.00                  |
| 5,000.0               | 9.00            | 131.67      | 4,964.3               | -317.3       | 356.5        | -319.8                  | 0.00                    | 0.00                   | 0.00                  |
| 5,100.0               | 9.00            | 131.67      | 5,063.1               | -327.7       | 368.2        | -330.3                  | 0.00                    | 0.00                   | 0.00                  |
| 5,200.0               | 9.00            | 131.67      | 5,161.8               | -338.1       | 379.9        | -340.8                  | 0.00                    | 0.00                   | 0.00                  |
| 5,300.0               | 9.00            | 131.67      | 5,260.6               | -348.5       | 391.6        | -351.3                  | 0.00                    | 0.00                   | 0.00                  |



# Intrepid Planning Report



|                  |                                         |                                     |                                 |
|------------------|-----------------------------------------|-------------------------------------|---------------------------------|
| <b>Database:</b> | EDM 5000.15 Single User Db              | <b>Local Co-ordinate Reference:</b> | Well Prometheus State Com #202H |
| <b>Company:</b>  | Tap Rock Resources, LLC                 | <b>TVD Reference:</b>               | KB @ 3567.0usft                 |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME)             | <b>MD Reference:</b>                | KB @ 3567.0usft                 |
| <b>Site:</b>     | (Prometheus State) Sec-22_T-24-S_R-34-E | <b>North Reference:</b>             | Grid                            |
| <b>Well:</b>     | Prometheus State Com #202H              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Wellbore:</b> | OWB                                     |                                     |                                 |
| <b>Design:</b>   | Plan #2                                 |                                     |                                 |

| Planned 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) |
| 5,400.0               | 9.00            | 131.67      | 5,359.4               | -358.9       | 403.3        | -361.7                  | 0.00                    | 0.00                   | 0.00                  |
| 5,500.0               | 9.00            | 131.67      | 5,458.1               | -369.3       | 415.0        | -372.2                  | 0.00                    | 0.00                   | 0.00                  |
| 5,600.0               | 9.00            | 131.67      | 5,556.9               | -379.7       | 426.6        | -382.7                  | 0.00                    | 0.00                   | 0.00                  |
| 5,700.0               | 9.00            | 131.67      | 5,655.7               | -390.1       | 438.3        | -393.2                  | 0.00                    | 0.00                   | 0.00                  |
| 5,800.0               | 9.00            | 131.67      | 5,754.4               | -400.5       | 450.0        | -403.7                  | 0.00                    | 0.00                   | 0.00                  |
| 5,900.0               | 9.00            | 131.67      | 5,853.2               | -410.9       | 461.7        | -414.2                  | 0.00                    | 0.00                   | 0.00                  |
| 6,000.0               | 9.00            | 131.67      | 5,952.0               | -421.3       | 473.4        | -424.6                  | 0.00                    | 0.00                   | 0.00                  |
| 6,100.0               | 9.00            | 131.67      | 6,050.8               | -431.7       | 485.1        | -435.1                  | 0.00                    | 0.00                   | 0.00                  |
| 6,200.0               | 9.00            | 131.67      | 6,149.5               | -442.1       | 496.8        | -445.6                  | 0.00                    | 0.00                   | 0.00                  |
| 6,300.0               | 9.00            | 131.67      | 6,248.3               | -452.5       | 508.4        | -456.1                  | 0.00                    | 0.00                   | 0.00                  |
| 6,400.0               | 9.00            | 131.67      | 6,347.1               | -462.9       | 520.1        | -466.6                  | 0.00                    | 0.00                   | 0.00                  |
| 6,500.0               | 9.00            | 131.67      | 6,445.8               | -473.3       | 531.8        | -477.1                  | 0.00                    | 0.00                   | 0.00                  |
| 6,600.0               | 9.00            | 131.67      | 6,544.6               | -483.7       | 543.5        | -487.5                  | 0.00                    | 0.00                   | 0.00                  |
| 6,700.0               | 9.00            | 131.67      | 6,643.4               | -494.1       | 555.2        | -498.0                  | 0.00                    | 0.00                   | 0.00                  |
| 6,800.0               | 9.00            | 131.67      | 6,742.1               | -504.5       | 566.9        | -508.5                  | 0.00                    | 0.00                   | 0.00                  |
| 6,900.0               | 9.00            | 131.67      | 6,840.9               | -514.9       | 578.6        | -519.0                  | 0.00                    | 0.00                   | 0.00                  |
| 7,000.0               | 9.00            | 131.67      | 6,939.7               | -525.3       | 590.2        | -529.5                  | 0.00                    | 0.00                   | 0.00                  |
| 7,100.0               | 9.00            | 131.67      | 7,038.4               | -535.7       | 601.9        | -540.0                  | 0.00                    | 0.00                   | 0.00                  |
| 7,200.0               | 9.00            | 131.67      | 7,137.2               | -546.1       | 613.6        | -550.4                  | 0.00                    | 0.00                   | 0.00                  |
| 7,300.0               | 9.00            | 131.67      | 7,236.0               | -556.5       | 625.3        | -560.9                  | 0.00                    | 0.00                   | 0.00                  |
| 7,400.0               | 9.00            | 131.67      | 7,334.7               | -566.9       | 637.0        | -571.4                  | 0.00                    | 0.00                   | 0.00                  |
| 7,500.0               | 9.00            | 131.67      | 7,433.5               | -577.3       | 648.7        | -581.9                  | 0.00                    | 0.00                   | 0.00                  |
| 7,600.0               | 9.00            | 131.67      | 7,532.3               | -587.7       | 660.4        | -592.4                  | 0.00                    | 0.00                   | 0.00                  |
| 7,700.0               | 9.00            | 131.67      | 7,631.1               | -598.1       | 672.0        | -602.9                  | 0.00                    | 0.00                   | 0.00                  |
| 7,800.0               | 9.00            | 131.67      | 7,729.8               | -608.5       | 683.7        | -613.3                  | 0.00                    | 0.00                   | 0.00                  |
| 7,900.0               | 9.00            | 131.67      | 7,828.6               | -618.9       | 695.4        | -623.8                  | 0.00                    | 0.00                   | 0.00                  |
| 8,000.0               | 9.00            | 131.67      | 7,927.4               | -629.3       | 707.1        | -634.3                  | 0.00                    | 0.00                   | 0.00                  |
| 8,100.0               | 9.00            | 131.67      | 8,026.1               | -639.7       | 718.8        | -644.8                  | 0.00                    | 0.00                   | 0.00                  |
| 8,200.0               | 9.00            | 131.67      | 8,124.9               | -650.1       | 730.5        | -655.3                  | 0.00                    | 0.00                   | 0.00                  |
| 8,300.0               | 9.00            | 131.67      | 8,223.7               | -660.5       | 742.2        | -665.7                  | 0.00                    | 0.00                   | 0.00                  |
| 8,400.0               | 9.00            | 131.67      | 8,322.4               | -670.9       | 753.8        | -676.2                  | 0.00                    | 0.00                   | 0.00                  |
| 8,500.0               | 9.00            | 131.67      | 8,421.2               | -681.3       | 765.5        | -686.7                  | 0.00                    | 0.00                   | 0.00                  |
| 8,600.0               | 9.00            | 131.67      | 8,520.0               | -691.7       | 777.2        | -697.2                  | 0.00                    | 0.00                   | 0.00                  |
| 8,700.0               | 9.00            | 131.67      | 8,618.7               | -702.1       | 788.9        | -707.7                  | 0.00                    | 0.00                   | 0.00                  |
| 8,800.0               | 9.00            | 131.67      | 8,717.5               | -712.4       | 800.6        | -718.2                  | 0.00                    | 0.00                   | 0.00                  |
| 8,900.0               | 9.00            | 131.67      | 8,816.3               | -722.8       | 812.3        | -728.6                  | 0.00                    | 0.00                   | 0.00                  |
| 8,998.7               | 9.00            | 131.67      | 8,913.7               | -733.1       | 823.8        | -739.0                  | 0.00                    | 0.00                   | 0.00                  |
| 9,000.0               | 8.99            | 131.67      | 8,915.1               | -733.2       | 824.0        | -739.1                  | 1.00                    | -1.00                  | 0.00                  |
| 9,100.0               | 7.99            | 131.67      | 9,014.0               | -743.1       | 835.0        | -749.0                  | 1.00                    | -1.00                  | 0.00                  |
| 9,200.0               | 6.99            | 131.67      | 9,113.1               | -751.7       | 844.7        | -757.7                  | 1.00                    | -1.00                  | 0.00                  |
| 9,300.0               | 5.99            | 131.67      | 9,212.5               | -759.2       | 853.2        | -765.3                  | 1.00                    | -1.00                  | 0.00                  |
| 9,400.0               | 4.99            | 131.67      | 9,312.0               | -765.6       | 860.3        | -771.7                  | 1.00                    | -1.00                  | 0.00                  |
| 9,500.0               | 3.99            | 131.67      | 9,411.7               | -770.8       | 866.1        | -777.0                  | 1.00                    | -1.00                  | 0.00                  |
| 9,600.0               | 2.99            | 131.67      | 9,511.5               | -774.8       | 870.7        | -781.0                  | 1.00                    | -1.00                  | 0.00                  |
| 9,700.0               | 1.99            | 131.67      | 9,611.4               | -777.7       | 873.9        | -783.9                  | 1.00                    | -1.00                  | 0.00                  |
| 9,800.0               | 0.99            | 131.67      | 9,711.4               | -779.4       | 875.9        | -785.7                  | 1.00                    | -1.00                  | 0.00                  |
| 9,898.6               | 0.00            | 0.00        | 9,810.0               | -780.0       | 876.5        | -786.3                  | 1.00                    | -1.00                  | 0.00                  |
| 9,900.0               | 0.00            | 0.00        | 9,811.4               | -780.0       | 876.5        | -786.3                  | 0.00                    | 0.00                   | 0.00                  |
| 10,000.0              | 0.00            | 0.00        | 9,911.4               | -780.0       | 876.5        | -786.3                  | 0.00                    | 0.00                   | 0.00                  |
| 10,100.0              | 0.00            | 0.00        | 10,011.4              | -780.0       | 876.5        | -786.3                  | 0.00                    | 0.00                   | 0.00                  |
| 10,200.0              | 0.00            | 0.00        | 10,111.4              | -780.0       | 876.5        | -786.3                  | 0.00                    | 0.00                   | 0.00                  |
| 10,300.0              | 0.00            | 0.00        | 10,211.4              | -780.0       | 876.5        | -786.3                  | 0.00                    | 0.00                   | 0.00                  |
| 10,400.0              | 0.00            | 0.00        | 10,311.4              | -780.0       | 876.5        | -786.3                  | 0.00                    | 0.00                   | 0.00                  |
| 10,500.0              | 0.00            | 0.00        | 10,411.4              | -780.0       | 876.5        | -786.3                  | 0.00                    | 0.00                   | 0.00                  |



# Intrepid Planning Report



|                  |                                         |                                     |                                 |
|------------------|-----------------------------------------|-------------------------------------|---------------------------------|
| <b>Database:</b> | EDM 5000.15 Single User Db              | <b>Local Co-ordinate Reference:</b> | Well Prometheus State Com #202H |
| <b>Company:</b>  | Tap Rock Resources, LLC                 | <b>TVD Reference:</b>               | KB @ 3567.0usft                 |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME)             | <b>MD Reference:</b>                | KB @ 3567.0usft                 |
| <b>Site:</b>     | (Prometheus State) Sec-22_T-24-S_R-34-E | <b>North Reference:</b>             | Grid                            |
| <b>Well:</b>     | Prometheus State Com #202H              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Wellbore:</b> | OWB                                     |                                     |                                 |
| <b>Design:</b>   | Plan #2                                 |                                     |                                 |

| Planned 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) |
| 10,600.0              | 0.00            | 0.00        | 10,511.4              | -780.0       | 876.5        | -786.3                  | 0.00                    | 0.00                   | 0.00                  |
| 10,700.0              | 0.00            | 0.00        | 10,611.4              | -780.0       | 876.5        | -786.3                  | 0.00                    | 0.00                   | 0.00                  |
| 10,800.0              | 0.00            | 0.00        | 10,711.4              | -780.0       | 876.5        | -786.3                  | 0.00                    | 0.00                   | 0.00                  |
| 10,900.0              | 0.00            | 0.00        | 10,811.4              | -780.0       | 876.5        | -786.3                  | 0.00                    | 0.00                   | 0.00                  |
| 11,000.0              | 0.00            | 0.00        | 10,911.4              | -780.0       | 876.5        | -786.3                  | 0.00                    | 0.00                   | 0.00                  |
| 11,100.0              | 0.00            | 0.00        | 11,011.4              | -780.0       | 876.5        | -786.3                  | 0.00                    | 0.00                   | 0.00                  |
| 11,200.0              | 0.00            | 0.00        | 11,111.4              | -780.0       | 876.5        | -786.3                  | 0.00                    | 0.00                   | 0.00                  |
| 11,300.0              | 0.00            | 0.00        | 11,211.4              | -780.0       | 876.5        | -786.3                  | 0.00                    | 0.00                   | 0.00                  |
| 11,400.0              | 0.00            | 0.00        | 11,311.4              | -780.0       | 876.5        | -786.3                  | 0.00                    | 0.00                   | 0.00                  |
| 11,500.0              | 0.00            | 0.00        | 11,411.4              | -780.0       | 876.5        | -786.3                  | 0.00                    | 0.00                   | 0.00                  |
| 11,600.0              | 0.00            | 0.00        | 11,511.4              | -780.0       | 876.5        | -786.3                  | 0.00                    | 0.00                   | 0.00                  |
| 11,700.0              | 0.00            | 0.00        | 11,611.4              | -780.0       | 876.5        | -786.3                  | 0.00                    | 0.00                   | 0.00                  |
| 11,800.0              | 0.00            | 0.00        | 11,711.4              | -780.0       | 876.5        | -786.3                  | 0.00                    | 0.00                   | 0.00                  |
| 11,900.0              | 0.00            | 0.00        | 11,811.4              | -780.0       | 876.5        | -786.3                  | 0.00                    | 0.00                   | 0.00                  |
| 12,000.0              | 0.00            | 0.00        | 11,911.4              | -780.0       | 876.5        | -786.3                  | 0.00                    | 0.00                   | 0.00                  |
| 12,030.6              | 0.00            | 0.00        | 11,942.0              | -780.0       | 876.5        | -786.3                  | 0.00                    | 0.00                   | 0.00                  |
| 12,050.0              | 1.94            | 359.59      | 11,961.4              | -779.7       | 876.5        | -785.9                  | 10.00                   | 10.00                  | 0.00                  |
| 12,100.0              | 6.94            | 359.59      | 12,011.2              | -775.8       | 876.5        | -782.1                  | 10.00                   | 10.00                  | 0.00                  |
| 12,150.0              | 11.94           | 359.59      | 12,060.5              | -767.6       | 876.4        | -773.9                  | 10.00                   | 10.00                  | 0.00                  |
| 12,200.0              | 16.94           | 359.59      | 12,108.9              | -755.1       | 876.3        | -761.4                  | 10.00                   | 10.00                  | 0.00                  |
| 12,250.0              | 21.94           | 359.59      | 12,156.1              | -738.5       | 876.2        | -744.8                  | 10.00                   | 10.00                  | 0.00                  |
| 12,300.0              | 26.94           | 359.59      | 12,201.6              | -717.8       | 876.1        | -724.1                  | 10.00                   | 10.00                  | 0.00                  |
| 12,350.0              | 31.94           | 359.59      | 12,245.1              | -693.3       | 875.9        | -699.5                  | 10.00                   | 10.00                  | 0.00                  |
| 12,400.0              | 36.94           | 359.59      | 12,286.3              | -665.0       | 875.7        | -671.3                  | 10.00                   | 10.00                  | 0.00                  |
| 12,450.0              | 41.94           | 359.59      | 12,324.9              | -633.3       | 875.5        | -639.5                  | 10.00                   | 10.00                  | 0.00                  |
| 12,500.0              | 46.94           | 359.59      | 12,360.6              | -598.3       | 875.2        | -604.5                  | 10.00                   | 10.00                  | 0.00                  |
| 12,550.0              | 51.94           | 359.59      | 12,393.1              | -560.3       | 874.9        | -566.5                  | 10.00                   | 10.00                  | 0.00                  |
| 12,600.0              | 56.94           | 359.59      | 12,422.2              | -519.6       | 874.6        | -525.9                  | 10.00                   | 10.00                  | 0.00                  |
| 12,650.0              | 61.94           | 359.59      | 12,447.6              | -476.6       | 874.3        | -482.8                  | 10.00                   | 10.00                  | 0.00                  |
| 12,700.0              | 66.94           | 359.59      | 12,469.2              | -431.5       | 874.0        | -437.7                  | 10.00                   | 10.00                  | 0.00                  |
| 12,750.0              | 71.94           | 359.59      | 12,486.7              | -384.7       | 873.7        | -390.9                  | 10.00                   | 10.00                  | 0.00                  |
| 12,800.0              | 76.94           | 359.59      | 12,500.1              | -336.6       | 873.3        | -342.8                  | 10.00                   | 10.00                  | 0.00                  |
| 12,850.0              | 81.94           | 359.59      | 12,509.3              | -287.4       | 873.0        | -293.7                  | 10.00                   | 10.00                  | 0.00                  |
| 12,900.0              | 86.94           | 359.59      | 12,514.1              | -237.7       | 872.6        | -243.9                  | 10.00                   | 10.00                  | 0.00                  |
| 12,936.7              | 90.60           | 359.59      | 12,514.9              | -201.0       | 872.4        | -207.3                  | 10.00                   | 10.00                  | 0.00                  |
| 13,000.0              | 90.60           | 359.59      | 12,514.3              | -137.7       | 871.9        | -143.9                  | 0.00                    | 0.00                   | 0.00                  |
| 13,100.0              | 90.60           | 359.59      | 12,513.2              | -37.7        | 871.2        | -43.9                   | 0.00                    | 0.00                   | 0.00                  |
| 13,200.0              | 90.60           | 359.59      | 12,512.1              | 62.3         | 870.5        | 56.1                    | 0.00                    | 0.00                   | 0.00                  |
| 13,300.0              | 90.60           | 359.59      | 12,511.1              | 162.3        | 869.8        | 156.1                   | 0.00                    | 0.00                   | 0.00                  |
| 13,400.0              | 90.60           | 359.59      | 12,510.0              | 262.3        | 869.1        | 256.1                   | 0.00                    | 0.00                   | 0.00                  |
| 13,500.0              | 90.60           | 359.59      | 12,509.0              | 362.3        | 868.4        | 356.0                   | 0.00                    | 0.00                   | 0.00                  |
| 13,600.0              | 90.60           | 359.59      | 12,507.9              | 462.3        | 867.7        | 456.0                   | 0.00                    | 0.00                   | 0.00                  |
| 13,700.0              | 90.60           | 359.59      | 12,506.9              | 562.3        | 867.0        | 556.0                   | 0.00                    | 0.00                   | 0.00                  |
| 13,800.0              | 90.60           | 359.59      | 12,505.8              | 662.2        | 866.2        | 656.0                   | 0.00                    | 0.00                   | 0.00                  |
| 13,900.0              | 90.60           | 359.59      | 12,504.8              | 762.2        | 865.5        | 756.0                   | 0.00                    | 0.00                   | 0.00                  |
| 14,000.0              | 90.60           | 359.59      | 12,503.7              | 862.2        | 864.8        | 856.0                   | 0.00                    | 0.00                   | 0.00                  |
| 14,100.0              | 90.60           | 359.59      | 12,502.7              | 962.2        | 864.1        | 956.0                   | 0.00                    | 0.00                   | 0.00                  |
| 14,200.0              | 90.60           | 359.59      | 12,501.6              | 1,062.2      | 863.4        | 1,056.0                 | 0.00                    | 0.00                   | 0.00                  |
| 14,300.0              | 90.60           | 359.59      | 12,500.5              | 1,162.2      | 862.7        | 1,156.0                 | 0.00                    | 0.00                   | 0.00                  |
| 14,400.0              | 90.60           | 359.59      | 12,499.5              | 1,262.2      | 862.0        | 1,256.0                 | 0.00                    | 0.00                   | 0.00                  |
| 14,500.0              | 90.60           | 359.59      | 12,498.4              | 1,362.2      | 861.3        | 1,356.0                 | 0.00                    | 0.00                   | 0.00                  |
| 14,600.0              | 90.60           | 359.59      | 12,497.4              | 1,462.2      | 860.6        | 1,456.0                 | 0.00                    | 0.00                   | 0.00                  |
| 14,700.0              | 90.60           | 359.59      | 12,496.3              | 1,562.2      | 859.8        | 1,556.0                 | 0.00                    | 0.00                   | 0.00                  |
| 14,800.0              | 90.60           | 359.59      | 12,495.3              | 1,662.2      | 859.1        | 1,656.0                 | 0.00                    | 0.00                   | 0.00                  |



# Intrepid Planning Report



|                  |                                         |                                     |                                 |
|------------------|-----------------------------------------|-------------------------------------|---------------------------------|
| <b>Database:</b> | EDM 5000.15 Single User Db              | <b>Local Co-ordinate Reference:</b> | Well Prometheus State Com #202H |
| <b>Company:</b>  | Tap Rock Resources, LLC                 | <b>TVD Reference:</b>               | KB @ 3567.0usft                 |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME)             | <b>MD Reference:</b>                | KB @ 3567.0usft                 |
| <b>Site:</b>     | (Prometheus State) Sec-22_T-24-S_R-34-E | <b>North Reference:</b>             | Grid                            |
| <b>Well:</b>     | Prometheus State Com #202H              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Wellbore:</b> | OWB                                     |                                     |                                 |
| <b>Design:</b>   | Plan #2                                 |                                     |                                 |

| Planned 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) |
| 14,900.0              | 90.60           | 359.59      | 12,494.2              | 1,762.2      | 858.4        | 1,756.0                 | 0.00                    | 0.00                   | 0.00                  |
| 15,000.0              | 90.60           | 359.59      | 12,493.2              | 1,862.1      | 857.7        | 1,856.0                 | 0.00                    | 0.00                   | 0.00                  |
| 15,100.0              | 90.60           | 359.59      | 12,492.1              | 1,962.1      | 857.0        | 1,956.0                 | 0.00                    | 0.00                   | 0.00                  |
| 15,200.0              | 90.60           | 359.59      | 12,491.1              | 2,062.1      | 856.3        | 2,056.0                 | 0.00                    | 0.00                   | 0.00                  |
| 15,300.0              | 90.60           | 359.59      | 12,490.0              | 2,162.1      | 855.6        | 2,155.9                 | 0.00                    | 0.00                   | 0.00                  |
| 15,400.0              | 90.60           | 359.59      | 12,488.9              | 2,262.1      | 854.9        | 2,255.9                 | 0.00                    | 0.00                   | 0.00                  |
| 15,500.0              | 90.60           | 359.59      | 12,487.9              | 2,362.1      | 854.2        | 2,355.9                 | 0.00                    | 0.00                   | 0.00                  |
| 15,600.0              | 90.60           | 359.59      | 12,486.8              | 2,462.1      | 853.4        | 2,455.9                 | 0.00                    | 0.00                   | 0.00                  |
| 15,700.0              | 90.60           | 359.59      | 12,485.8              | 2,562.1      | 852.7        | 2,555.9                 | 0.00                    | 0.00                   | 0.00                  |
| 15,800.0              | 90.60           | 359.59      | 12,484.7              | 2,662.1      | 852.0        | 2,655.9                 | 0.00                    | 0.00                   | 0.00                  |
| 15,900.0              | 90.60           | 359.59      | 12,483.7              | 2,762.1      | 851.3        | 2,755.9                 | 0.00                    | 0.00                   | 0.00                  |
| 16,000.0              | 90.60           | 359.59      | 12,482.6              | 2,862.1      | 850.6        | 2,855.9                 | 0.00                    | 0.00                   | 0.00                  |
| 16,100.0              | 90.60           | 359.59      | 12,481.6              | 2,962.1      | 849.9        | 2,955.9                 | 0.00                    | 0.00                   | 0.00                  |
| 16,200.0              | 90.60           | 359.59      | 12,480.5              | 3,062.0      | 849.2        | 3,055.9                 | 0.00                    | 0.00                   | 0.00                  |
| 16,300.0              | 90.60           | 359.59      | 12,479.4              | 3,162.0      | 848.5        | 3,155.9                 | 0.00                    | 0.00                   | 0.00                  |
| 16,400.0              | 90.60           | 359.59      | 12,478.4              | 3,262.0      | 847.7        | 3,255.9                 | 0.00                    | 0.00                   | 0.00                  |
| 16,500.0              | 90.60           | 359.59      | 12,477.3              | 3,362.0      | 847.0        | 3,355.9                 | 0.00                    | 0.00                   | 0.00                  |
| 16,600.0              | 90.60           | 359.59      | 12,476.3              | 3,462.0      | 846.3        | 3,455.9                 | 0.00                    | 0.00                   | 0.00                  |
| 16,700.0              | 90.60           | 359.59      | 12,475.2              | 3,562.0      | 845.6        | 3,555.9                 | 0.00                    | 0.00                   | 0.00                  |
| 16,800.0              | 90.60           | 359.59      | 12,474.2              | 3,662.0      | 844.9        | 3,655.9                 | 0.00                    | 0.00                   | 0.00                  |
| 16,900.0              | 90.60           | 359.59      | 12,473.1              | 3,762.0      | 844.2        | 3,755.9                 | 0.00                    | 0.00                   | 0.00                  |
| 17,000.0              | 90.60           | 359.59      | 12,472.1              | 3,862.0      | 843.5        | 3,855.9                 | 0.00                    | 0.00                   | 0.00                  |
| 17,100.0              | 90.60           | 359.59      | 12,471.0              | 3,962.0      | 842.8        | 3,955.8                 | 0.00                    | 0.00                   | 0.00                  |
| 17,200.0              | 90.60           | 359.59      | 12,470.0              | 4,062.0      | 842.1        | 4,055.8                 | 0.00                    | 0.00                   | 0.00                  |
| 17,300.0              | 90.60           | 359.59      | 12,468.9              | 4,162.0      | 841.3        | 4,155.8                 | 0.00                    | 0.00                   | 0.00                  |
| 17,400.0              | 90.60           | 359.59      | 12,467.8              | 4,262.0      | 840.6        | 4,255.8                 | 0.00                    | 0.00                   | 0.00                  |
| 17,500.0              | 90.60           | 359.59      | 12,466.8              | 4,361.9      | 839.9        | 4,355.8                 | 0.00                    | 0.00                   | 0.00                  |
| 17,600.0              | 90.60           | 359.59      | 12,465.7              | 4,461.9      | 839.2        | 4,455.8                 | 0.00                    | 0.00                   | 0.00                  |
| 17,700.0              | 90.60           | 359.59      | 12,464.7              | 4,561.9      | 838.5        | 4,555.8                 | 0.00                    | 0.00                   | 0.00                  |
| 17,800.0              | 90.60           | 359.59      | 12,463.6              | 4,661.9      | 837.8        | 4,655.8                 | 0.00                    | 0.00                   | 0.00                  |
| 17,900.0              | 90.60           | 359.59      | 12,462.6              | 4,761.9      | 837.1        | 4,755.8                 | 0.00                    | 0.00                   | 0.00                  |
| 18,000.0              | 90.60           | 359.59      | 12,461.5              | 4,861.9      | 836.4        | 4,855.8                 | 0.00                    | 0.00                   | 0.00                  |
| 18,100.0              | 90.60           | 359.59      | 12,460.5              | 4,961.9      | 835.7        | 4,955.8                 | 0.00                    | 0.00                   | 0.00                  |
| 18,200.0              | 90.60           | 359.59      | 12,459.4              | 5,061.9      | 834.9        | 5,055.8                 | 0.00                    | 0.00                   | 0.00                  |
| 18,300.0              | 90.60           | 359.59      | 12,458.4              | 5,161.9      | 834.2        | 5,155.8                 | 0.00                    | 0.00                   | 0.00                  |
| 18,400.0              | 90.60           | 359.59      | 12,457.3              | 5,261.9      | 833.5        | 5,255.8                 | 0.00                    | 0.00                   | 0.00                  |
| 18,500.0              | 90.60           | 359.59      | 12,456.2              | 5,361.9      | 832.8        | 5,355.8                 | 0.00                    | 0.00                   | 0.00                  |
| 18,600.0              | 90.60           | 359.59      | 12,455.2              | 5,461.9      | 832.1        | 5,455.8                 | 0.00                    | 0.00                   | 0.00                  |
| 18,700.0              | 90.60           | 359.59      | 12,454.1              | 5,561.8      | 831.4        | 5,555.8                 | 0.00                    | 0.00                   | 0.00                  |
| 18,800.0              | 90.60           | 359.59      | 12,453.1              | 5,661.8      | 830.7        | 5,655.8                 | 0.00                    | 0.00                   | 0.00                  |
| 18,900.0              | 90.60           | 359.59      | 12,452.0              | 5,761.8      | 830.0        | 5,755.7                 | 0.00                    | 0.00                   | 0.00                  |
| 19,000.0              | 90.60           | 359.59      | 12,451.0              | 5,861.8      | 829.3        | 5,855.7                 | 0.00                    | 0.00                   | 0.00                  |
| 19,100.0              | 90.60           | 359.59      | 12,449.9              | 5,961.8      | 828.5        | 5,955.7                 | 0.00                    | 0.00                   | 0.00                  |
| 19,200.0              | 90.60           | 359.59      | 12,448.9              | 6,061.8      | 827.8        | 6,055.7                 | 0.00                    | 0.00                   | 0.00                  |
| 19,300.0              | 90.60           | 359.59      | 12,447.8              | 6,161.8      | 827.1        | 6,155.7                 | 0.00                    | 0.00                   | 0.00                  |
| 19,400.0              | 90.60           | 359.59      | 12,446.7              | 6,261.8      | 826.4        | 6,255.7                 | 0.00                    | 0.00                   | 0.00                  |
| 19,500.0              | 90.60           | 359.59      | 12,445.7              | 6,361.8      | 825.7        | 6,355.7                 | 0.00                    | 0.00                   | 0.00                  |
| 19,600.0              | 90.60           | 359.59      | 12,444.6              | 6,461.8      | 825.0        | 6,455.7                 | 0.00                    | 0.00                   | 0.00                  |
| 19,700.0              | 90.60           | 359.59      | 12,443.6              | 6,561.8      | 824.3        | 6,555.7                 | 0.00                    | 0.00                   | 0.00                  |
| 19,800.0              | 90.60           | 359.59      | 12,442.5              | 6,661.8      | 823.6        | 6,655.7                 | 0.00                    | 0.00                   | 0.00                  |
| 19,900.0              | 90.60           | 359.59      | 12,441.5              | 6,761.8      | 822.9        | 6,755.7                 | 0.00                    | 0.00                   | 0.00                  |
| 20,000.0              | 90.60           | 359.59      | 12,440.4              | 6,861.7      | 822.1        | 6,855.7                 | 0.00                    | 0.00                   | 0.00                  |
| 20,100.0              | 90.60           | 359.59      | 12,439.4              | 6,961.7      | 821.4        | 6,955.7                 | 0.00                    | 0.00                   | 0.00                  |
| 20,200.0              | 90.60           | 359.59      | 12,438.3              | 7,061.7      | 820.7        | 7,055.7                 | 0.00                    | 0.00                   | 0.00                  |





# Intrepid Planning Report



|                  |                                         |                                     |                                 |
|------------------|-----------------------------------------|-------------------------------------|---------------------------------|
| <b>Database:</b> | EDM 5000.15 Single User Db              | <b>Local Co-ordinate Reference:</b> | Well Prometheus State Com #202H |
| <b>Company:</b>  | Tap Rock Resources, LLC                 | <b>TVD Reference:</b>               | KB @ 3567.0usft                 |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME)             | <b>MD Reference:</b>                | KB @ 3567.0usft                 |
| <b>Site:</b>     | (Prometheus State) Sec-22_T-24-S_R-34-E | <b>North Reference:</b>             | Grid                            |
| <b>Well:</b>     | Prometheus State Com #202H              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Wellbore:</b> | OWB                                     |                                     |                                 |
| <b>Design:</b>   | Plan #2                                 |                                     |                                 |

| Planned 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) |
| 20,300.0              | 90.60           | 359.59      | 12,437.3              | 7,161.7      | 820.0        | 7,155.7                 | 0.00                    | 0.00                   | 0.00                  |
| 20,400.0              | 90.60           | 359.59      | 12,436.2              | 7,261.7      | 819.3        | 7,255.7                 | 0.00                    | 0.00                   | 0.00                  |
| 20,500.0              | 90.60           | 359.59      | 12,435.1              | 7,361.7      | 818.6        | 7,355.7                 | 0.00                    | 0.00                   | 0.00                  |
| 20,600.0              | 90.60           | 359.59      | 12,434.1              | 7,461.7      | 817.9        | 7,455.7                 | 0.00                    | 0.00                   | 0.00                  |
| 20,700.0              | 90.60           | 359.59      | 12,433.0              | 7,561.7      | 817.2        | 7,555.6                 | 0.00                    | 0.00                   | 0.00                  |
| 20,800.0              | 90.60           | 359.59      | 12,432.0              | 7,661.7      | 816.5        | 7,655.6                 | 0.00                    | 0.00                   | 0.00                  |
| 20,900.0              | 90.60           | 359.59      | 12,430.9              | 7,761.7      | 815.7        | 7,755.6                 | 0.00                    | 0.00                   | 0.00                  |
| 21,000.0              | 90.60           | 359.59      | 12,429.9              | 7,861.7      | 815.0        | 7,855.6                 | 0.00                    | 0.00                   | 0.00                  |
| 21,100.0              | 90.60           | 359.59      | 12,428.8              | 7,961.7      | 814.3        | 7,955.6                 | 0.00                    | 0.00                   | 0.00                  |
| 21,200.0              | 90.60           | 359.59      | 12,427.8              | 8,061.6      | 813.6        | 8,055.6                 | 0.00                    | 0.00                   | 0.00                  |
| 21,300.0              | 90.60           | 359.59      | 12,426.7              | 8,161.6      | 812.9        | 8,155.6                 | 0.00                    | 0.00                   | 0.00                  |
| 21,400.0              | 90.60           | 359.59      | 12,425.7              | 8,261.6      | 812.2        | 8,255.6                 | 0.00                    | 0.00                   | 0.00                  |
| 21,500.0              | 90.60           | 359.59      | 12,424.6              | 8,361.6      | 811.5        | 8,355.6                 | 0.00                    | 0.00                   | 0.00                  |
| 21,600.0              | 90.60           | 359.59      | 12,423.5              | 8,461.6      | 810.8        | 8,455.6                 | 0.00                    | 0.00                   | 0.00                  |
| 21,700.0              | 90.60           | 359.59      | 12,422.5              | 8,561.6      | 810.1        | 8,555.6                 | 0.00                    | 0.00                   | 0.00                  |
| 21,800.0              | 90.60           | 359.59      | 12,421.4              | 8,661.6      | 809.3        | 8,655.6                 | 0.00                    | 0.00                   | 0.00                  |
| 21,900.0              | 90.60           | 359.59      | 12,420.4              | 8,761.6      | 808.6        | 8,755.6                 | 0.00                    | 0.00                   | 0.00                  |
| 22,000.0              | 90.60           | 359.59      | 12,419.3              | 8,861.6      | 807.9        | 8,855.6                 | 0.00                    | 0.00                   | 0.00                  |
| 22,100.0              | 90.60           | 359.59      | 12,418.3              | 8,961.6      | 807.2        | 8,955.6                 | 0.00                    | 0.00                   | 0.00                  |
| 22,200.0              | 90.60           | 359.59      | 12,417.2              | 9,061.6      | 806.5        | 9,055.6                 | 0.00                    | 0.00                   | 0.00                  |
| 22,300.0              | 90.60           | 359.59      | 12,416.2              | 9,161.6      | 805.8        | 9,155.6                 | 0.00                    | 0.00                   | 0.00                  |
| 22,400.0              | 90.60           | 359.59      | 12,415.1              | 9,261.5      | 805.1        | 9,255.5                 | 0.00                    | 0.00                   | 0.00                  |
| 22,500.0              | 90.60           | 359.59      | 12,414.1              | 9,361.5      | 804.4        | 9,355.5                 | 0.00                    | 0.00                   | 0.00                  |
| 22,600.0              | 90.60           | 359.59      | 12,413.0              | 9,461.5      | 803.7        | 9,455.5                 | 0.00                    | 0.00                   | 0.00                  |
| 22,700.0              | 90.60           | 359.59      | 12,411.9              | 9,561.5      | 802.9        | 9,555.5                 | 0.00                    | 0.00                   | 0.00                  |
| 22,800.0              | 90.60           | 359.59      | 12,410.9              | 9,661.5      | 802.2        | 9,655.5                 | 0.00                    | 0.00                   | 0.00                  |
| 22,832.5              | 90.60           | 359.59      | 12,410.5              | 9,694.0      | 802.0        | 9,688.0                 | 0.00                    | 0.00                   | 0.00                  |

| Design Targets                                                                                                                |               |              |            |              |              |                 |                |                  |                   |
|-------------------------------------------------------------------------------------------------------------------------------|---------------|--------------|------------|--------------|--------------|-----------------|----------------|------------------|-------------------|
| Target Name                                                                                                                   | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude         | Longitude         |
| LTP (Prometheus Sta<br>- hit/miss target<br>- Shape                                                                           | 0.00          | 0.00         | 12,410.5   | 9,624.0      | 803.0        | 446,302.00      | 780,374.00     | 32° 13' 28.549 N | 103° 33' 37.217 W |
| - plan misses target center by 0.9usft at 22762.5usft MD (12411.3 TVD, 9624.0 N, 802.5 E)                                     |               |              |            |              |              |                 |                |                  |                   |
| - Point                                                                                                                       |               |              |            |              |              |                 |                |                  |                   |
| PBHL (Prometheus Si<br>- plan hits target center<br>- Rectangle (sides W100.0 H10,425.0 D30.0)                                | -0.60         | 359.59       | 12,410.5   | 9,694.0      | 802.0        | 446,372.00      | 780,373.00     | 32° 13' 29.241 N | 103° 33' 37.223 W |
| FTP (Prometheus Sta<br>- plan misses target center by 200.7usft at 12500.0usft MD (12360.6 TVD, -598.3 N, 875.2 E)<br>- Point | 0.00          | 0.00         | 12,512.0   | -730.0       | 876.0        | 435,948.00      | 780,447.00     | 32° 11' 46.089 N | 103° 33' 37.234 W |



# Intrepid Planning Report



|                  |                                         |                                     |                                 |
|------------------|-----------------------------------------|-------------------------------------|---------------------------------|
| <b>Database:</b> | EDM 5000.15 Single User Db              | <b>Local Co-ordinate Reference:</b> | Well Prometheus State Com #202H |
| <b>Company:</b>  | Tap Rock Resources, LLC                 | <b>TVD Reference:</b>               | KB @ 3567.0usft                 |
| <b>Project:</b>  | Lea County, NM (NAD 83 NME)             | <b>MD Reference:</b>                | KB @ 3567.0usft                 |
| <b>Site:</b>     | (Prometheus State) Sec-22_T-24-S_R-34-E | <b>North Reference:</b>             | Grid                            |
| <b>Well:</b>     | Prometheus State Com #202H              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Wellbore:</b> | OWB                                     |                                     |                                 |
| <b>Design:</b>   | Plan #2                                 |                                     |                                 |

## Formations

| Measured Depth (usft) | Vertical Depth (usft) | Name                 | Lithology | Dip (°) | Dip Direction (°) |
|-----------------------|-----------------------|----------------------|-----------|---------|-------------------|
| 1,227.0               | 1,227.0               | Rustler Anhydrite    |           |         |                   |
| 1,683.0               | 1,683.0               | Top Salt             |           |         |                   |
| 5,005.8               | 4,970.0               | Base Salt            |           |         |                   |
| 5,256.9               | 5,218.0               | Delaware Mountain Gp |           |         |                   |
| 5,267.0               | 5,228.0               | Lamar                |           |         |                   |
| 5,285.2               | 5,246.0               | Bell Canyon          |           |         |                   |
| 5,306.5               | 5,267.0               | Ramsey Sand          |           |         |                   |
| 6,290.6               | 6,239.0               | Cherry Canyon        |           |         |                   |
| 7,724.2               | 7,655.0               | Brushy Canyon        |           |         |                   |
| 9,254.3               | 9,167.0               | Bone Spring Lime     |           |         |                   |
| 9,351.8               | 9,264.0               | Upper Avalon         |           |         |                   |
| 9,527.4               | 9,439.0               | Middle Avalon        |           |         |                   |
| 9,892.6               | 9,804.0               | Lower Avalon         |           |         |                   |
| 10,232.6              | 10,144.0              | 1st Bone Spring Sand |           |         |                   |
| 10,527.6              | 10,439.0              | 2nd Bone Spring Carb |           |         |                   |
| 10,968.6              | 10,880.0              | 2nd Bone Spring Sand |           |         |                   |
| 11,448.6              | 11,360.0              | 3rd Bone Spring Carb |           |         |                   |
| 12,032.6              | 11,944.0              | 3rd Bone Spring Sand |           |         |                   |
| 12,339.4              | 12,236.0              | 3rd BS W Sand        |           |         |                   |
| 12,409.7              | 12,294.0              | Wolfcamp A X Sand    |           |         |                   |
| 12,636.3              | 12,441.0              | Wolfcamp A Y Sand    |           |         |                   |

## Plan Annotations

| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              | Comment                         |
|-----------------------|-----------------------|-------------------|--------------|---------------------------------|
|                       |                       | +N/-S (usft)      | +E/-W (usft) |                                 |
| 1,500.0               | 1,500.0               | 0.0               | 0.0          | NUDGE - Build 1.00              |
| 2,400.0               | 2,396.3               | -46.9             | 52.7         | HOLD - 6598.7 at 2400.0 MD      |
| 8,998.7               | 8,913.7               | -733.1            | 823.8        | DROP - -1.00                    |
| 9,898.6               | 9,810.0               | -780.0            | 876.5        | HOLD - 2132.0 at 9898.6 MD      |
| 12,030.6              | 11,942.0              | -780.0            | 876.5        | KOP - DLS 10.00 TFO 359.59      |
| 12,936.7              | 12,514.9              | -201.0            | 872.4        | EOC - 9895.8 hold at 12936.7 MD |
| 22,832.5              | 12,410.5              | 9,694.0           | 802.0        | TD at 22832.5                   |

**District I**

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

**District II**

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**District IV**

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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**

CONDITIONS

Action 55064

**CONDITIONS**

|                                                                                  |                                                      |
|----------------------------------------------------------------------------------|------------------------------------------------------|
| Operator:<br>TAP ROCK OPERATING, LLC<br>523 Park Point Drive<br>Golden, CO 80401 | OGRID:<br>372043                                     |
|                                                                                  | Action Number:<br>55064                              |
|                                                                                  | Action Type:<br>[C-103] NOI Change of Plans (C-103A) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|------------|-----------|----------------|
| pkautz     | None      | 10/12/2021     |