

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

State of New Mexico  
 Energy, Minerals and Natural Resources

Form C-103  
 Revised July 18, 2013

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

|                                                                                                     |
|-----------------------------------------------------------------------------------------------------|
| WELL API NO.<br>30-015-46534                                                                        |
| 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>Miso State                                                  |
| 8. Well Number 164H                                                                                 |
| 9. OGRID Number 372043                                                                              |
| 10. Pool name or Wildcat<br>PURPLE SAGE;WOLFCAMP (GAS)                                              |

|                                                                                                                                                                                                                         |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 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 type="checkbox"/> Gas Well <input checked="" 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>O</u> : <u>263'</u> feet from the <u>South</u> line and <u>1446'</u> feet from the <u>East</u> line<br>Section <u>2</u> Township <u>26S</u> Range <u>25E</u> NMPM County <u>EDDY</u> |  |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br>3611 GR                                                                                                                                                           |  |

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 plans and name for the originally permitted Miso State 164H. Tap Rock would like to change the name from the Miso State 164H to the Miso State 233H.

Tap Rock would like to change the BHL:

Previously approved BHL: 200 FNL, 1320 FEL, Section 2, Township 26 South, Range 25 East  
 Proposed new BHL: 200 FNL, 2160 FEL, Section 2, Township 26 South, Range 25 East

Please see the attached drill plan and changes to the casing as a result of the bottom hole location and depth change:

| Interval       | Hole Size | Casing OD | Casing Weight | Casing Grade | Set Depth | Sacks of Cement | Planned TOC | Mud Type        |
|----------------|-----------|-----------|---------------|--------------|-----------|-----------------|-------------|-----------------|
| Surface        | 17.5      | 13.375    | 54.5          | J-55         | 350       | 360             | 0           | Fresh Water     |
| Intermediate 1 | 12.25     | 9.625     | 40            | J-55         | 1750      | 500             | 0           | Saturated Brine |
| Intermediate 2 | 8.75      | 7.625     | 29.7          | P-110        | 8320      | 460             | 1450        | Cut Brine / FW  |
| Production     | 6.75      | 5.5       | 20            | P-110        | 13816     | 550             | 7620        | OBM             |

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

SIGNATURE Bill Ramsey TITLE Regulatory Analyst DATE 10/15/2021

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

**For State Use Only**

APPROVED BY: John Garcia TITLE Petroleum Engineer DATE 10/19/2021

Conditions of Approval (if any):

District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
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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>30-015-46534 | <sup>2</sup> Pool Code<br>98220                        | <sup>3</sup> Pool Name<br>PURPLE SAGE; WOLFCAMP (GAS) |
| <sup>4</sup> Property Code<br>324989    | <sup>5</sup> Property Name<br>MISO STATE               | <sup>6</sup> Well Number<br>233H                      |
| <sup>7</sup> OGRID No.<br>372043        | <sup>8</sup> Operator Name<br>TAP ROCK OPERATING, LLC. | <sup>9</sup> Elevation<br>3611'                       |

<sup>10</sup>Surface Location

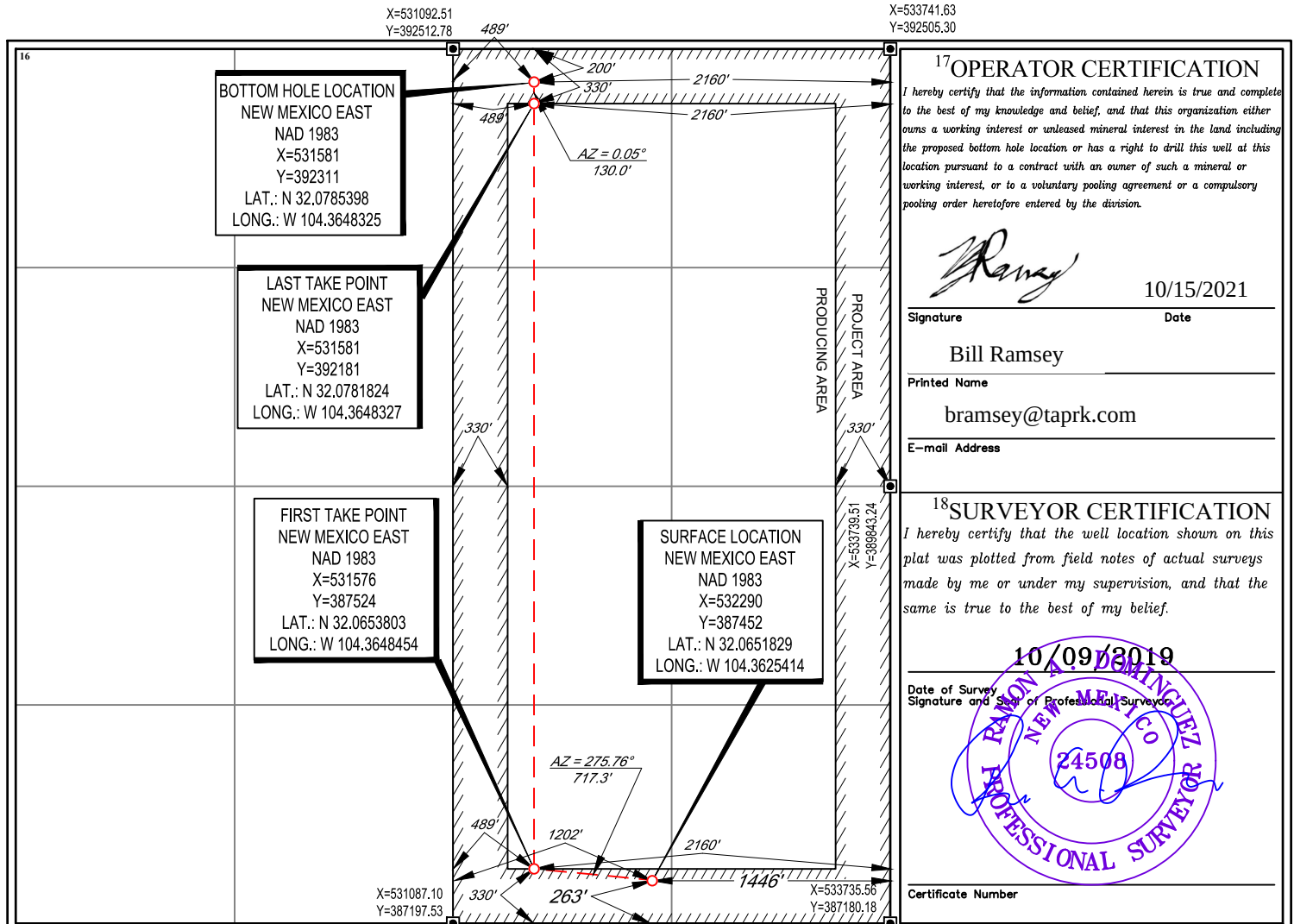
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| 0             | 2       | 26-S     | 25-E  | -       | 263'          | SOUTH            | 1446'         | EAST           | EDDY   |

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

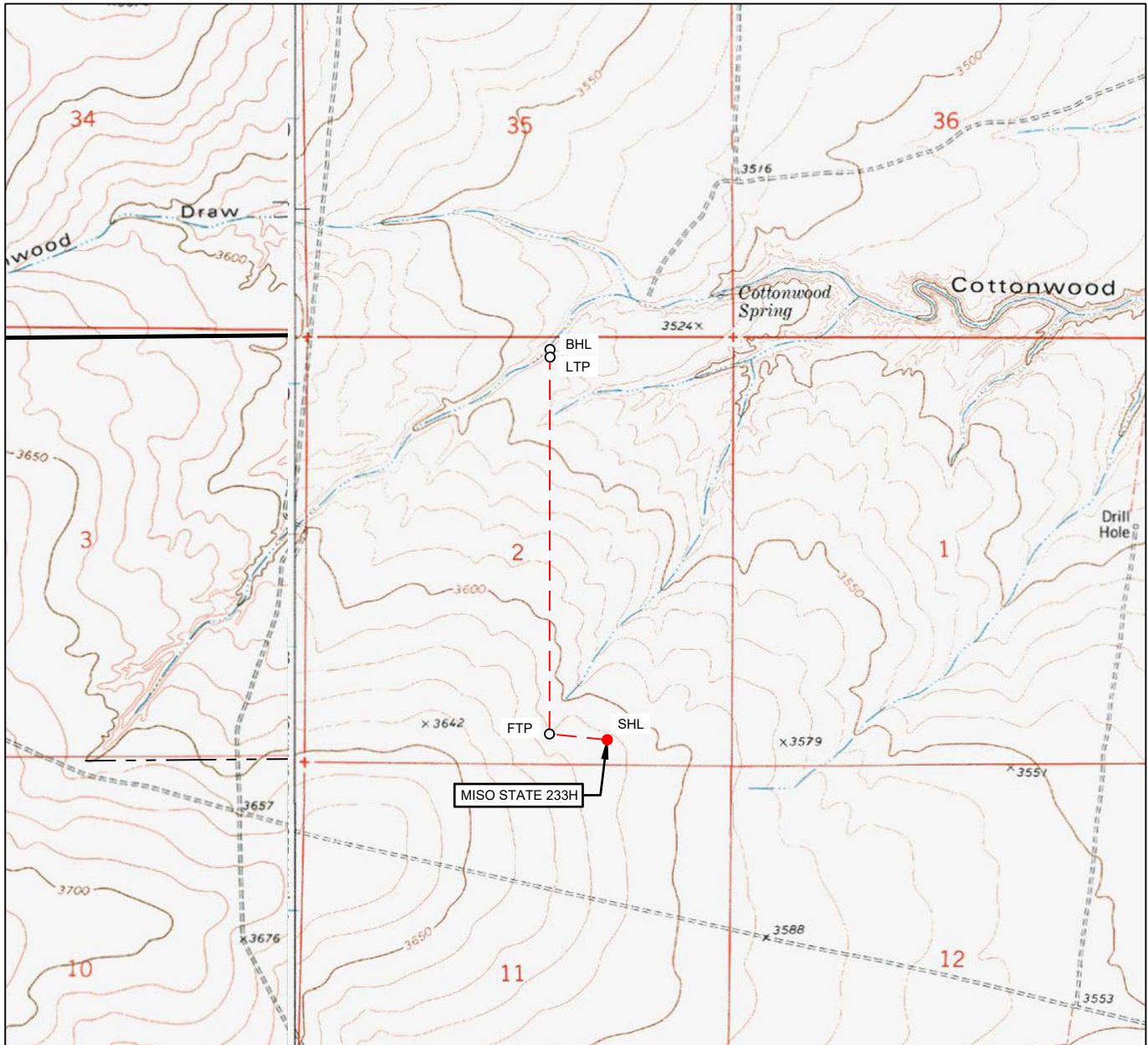
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| B             | 2       | 26-S     | 25-E  | -       | 200'          | NORTH            | 2160'         | EAST           | EDDY   |

|                                      |                               |                                  |                         |
|--------------------------------------|-------------------------------|----------------------------------|-------------------------|
| <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.



## LOCATION &amp; ELEVATION VERIFICATION MAP

LEASE NAME & WELL NO.: MISO STATE 233H

SECTION 2 TWP 26-S RGE 25-E SURVEY N.M.P.M.  
 COUNTY EDDY STATE NM ELEVATION 3611'  
 DESCRIPTION 263' FSL & 1446' FEL

LATITUDE N 32.0651829 LONGITUDE W 104.3625414

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

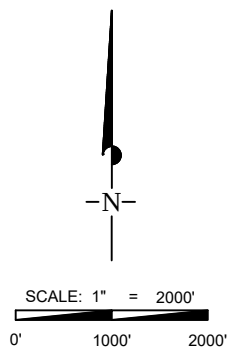
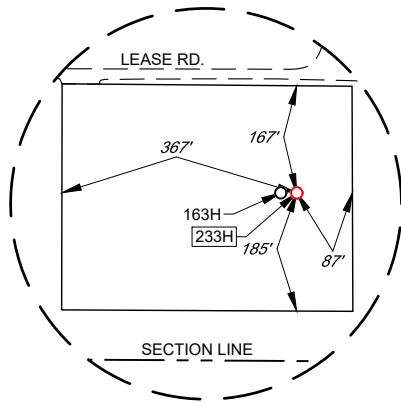
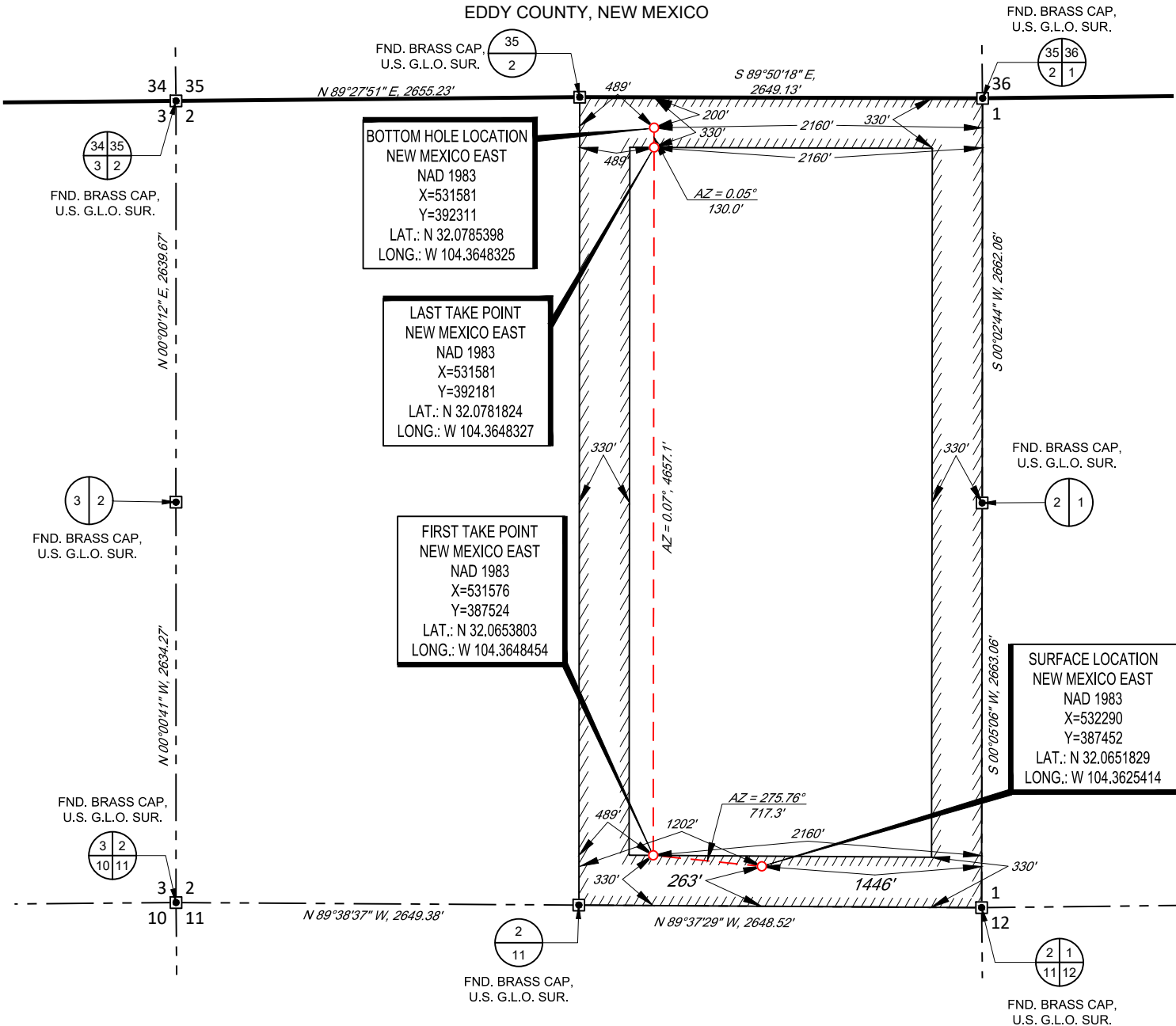
1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140  
 TELEPHONE: (817) 744-7512 • FAX (817) 744-7554  
 2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705  
 TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743  
 WWW.TOPOGRAPHIC.COM





TAP  
ROCK  
EXHIBIT 2A

SECTION 2, TOWNSHIP 26-S, RANGE 25-E, N.M.P.M.  
EDDY COUNTY, NEW MEXICO



LEASE NAME & WELL NO.: MISO STATE 233H

SECTION 2 TWP 26-S RGE 25-E SURVEY N.M.P.M.  
COUNTY EDDY STATE NM  
DESCRIPTION 263' FSL & 1446' FWL

DISTANCE & DIRECTION  
FROM INT. OF CR 720 N. & US-180 E. GO SOUTHWEST ON US-180 E ±12.0  
MILES. THENCE EAST (LEFT) ON DILLAHUNTY RD. ±4.5 MILES. THENCE  
NORTH (LEFT) ON A LEASE RD. ±0.4 MILE, THENCE NORTHEAST (RIGHT)  
ON A LEASE RD. ±1216 FEET, THENCE SOUTH (RIGHT) ON A LEASE RD.  
±15 FEET TO A POINT ±378 FEET NORTHWEST 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. 24508  
OCTOBER 6, 2021

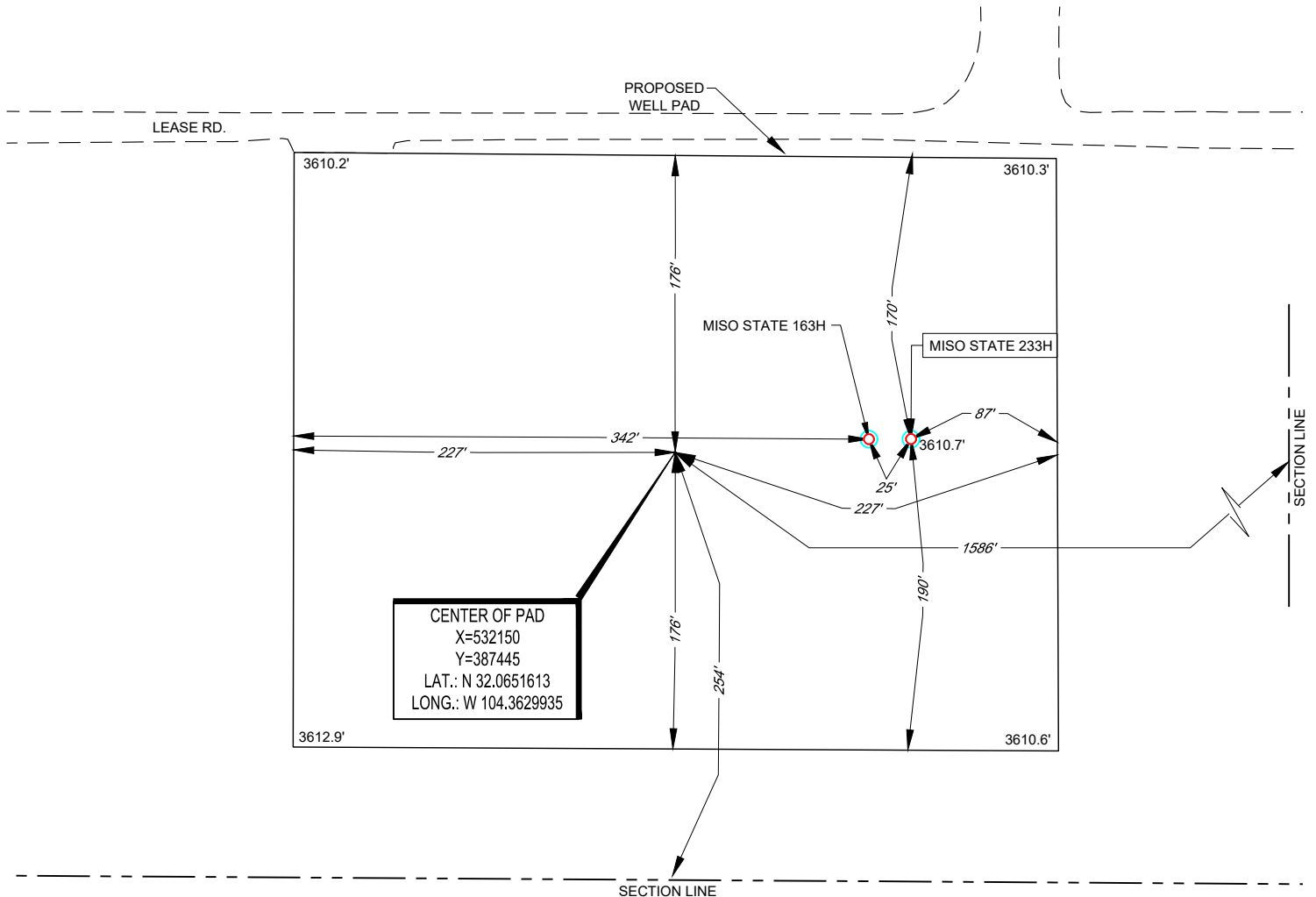
**TOPOGRAPHIC**  
LOYALTY INNOVATION LEGACY  
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## EXHIBIT 2B



SECTION 2, TOWNSHIP 26-S, RANGE 25-E, N.M.P.M.  
EDDY COUNTY, NEW MEXICO

DETAIL VIEW  
SCALE: 1" = 100'



LEASE NAME & WELL NO.: \_\_\_\_\_ MISO STATE 233H  
233H LATITUDE \_\_\_\_\_ N 32.0651829 233H LONGITUDE \_\_\_\_\_ W 104.3625414

CENTER OF PAD IS 254' FSL & 1586' FEL

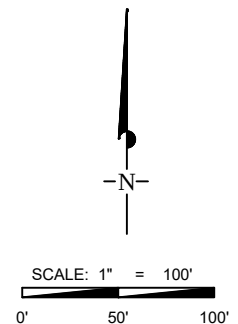


Ramon A. Dominguez, P.S. No. 24508

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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# **Tap Rock Resources, LLC**

**Eddy County, NM (NAD 83 NME)  
(Miso State) Sec-2\_T-26-S\_R-25-E  
Miso State #233H**

**OWB**

**Plan: Plan #1**

## **Standard Planning Report**

**14 October, 2021**





# Intrepid Planning Report



|                  |                                  |                                     |                       |
|------------------|----------------------------------|-------------------------------------|-----------------------|
| <b>Database:</b> | EDM 5000.15 Single User Db       | <b>Local Co-ordinate Reference:</b> | Well Miso State #233H |
| <b>Company:</b>  | Tap Rock Resources, LLC          | <b>TVD Reference:</b>               | KB @ 3637.0usft       |
| <b>Project:</b>  | Eddy County, NM (NAD 83 NME)     | <b>MD Reference:</b>                | KB @ 3637.0usft       |
| <b>Site:</b>     | (Miso State) Sec-2_T-26-S_R-25-E | <b>North Reference:</b>             | Grid                  |
| <b>Well:</b>     | Miso State #233H                 | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Wellbore:</b> | OWB                              |                                     |                       |
| <b>Design:</b>   | Plan #1                          |                                     |                       |

|                    |                              |                      |                |
|--------------------|------------------------------|----------------------|----------------|
| <b>Project</b>     | Eddy 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>                  | (Miso State) Sec-2_T-26-S_R-25-E |                          |                   |
| <b>Site Position:</b>        |                                  | <b>Northing:</b>         | 387,500.00 usft   |
| <b>From:</b>                 | Map                              | <b>Easting:</b>          | 533,218.00 usft   |
| <b>Position Uncertainty:</b> | 0.0 usft                         | <b>Slot Radius:</b>      | 13-3/16 "         |
|                              |                                  | <b>Latitude:</b>         | 32° 3' 55.133 N   |
|                              |                                  | <b>Longitude:</b>        | 104° 21' 34.362 W |
|                              |                                  | <b>Grid Convergence:</b> | -0.01 °           |

|                             |                  |                            |                                     |
|-----------------------------|------------------|----------------------------|-------------------------------------|
| <b>Well</b>                 | Miso State #233H |                            |                                     |
| <b>Well Position</b>        | <b>+N/-S</b>     | -48.0 usft                 | <b>Northing:</b> 387,452.00 usft    |
|                             | <b>+E/-W</b>     | -928.0 usft                | <b>Easting:</b> 532,290.00 usft     |
| <b>Position Uncertainty</b> | 0.0 usft         | <b>Wellhead Elevation:</b> | <b>Latitude:</b> 32° 3' 54.655 N    |
|                             |                  |                            | <b>Longitude:</b> 104° 21' 45.146 W |
|                             |                  |                            | <b>Ground Level:</b> 3,611.0 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          | 10/14/21           | 6.84                   | 59.74                | 47,316.29135646            |

|                          |                                |                     |                      |                      |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| <b>Design</b>            | Plan #1                        |                     |                      |                      |
| <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                  | 0.06                 |

|                                 |                        |                          |                  |                     |
|---------------------------------|------------------------|--------------------------|------------------|---------------------|
| <b>Plan Survey Tool Program</b> | <b>Date</b>            | 10/14/21                 |                  |                     |
| <b>Depth From (usft)</b>        | <b>Depth To (usft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b> | <b>Remarks</b>      |
| 1                               | 0.0                    | 13,816.1                 | Plan #1 (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           |                    |
| 1,700.0                      | 0.00                   | 0.00               | 1,700.0                      | 0.0                 | 0.0                 | 0.00                           | 0.00                          | 0.00                         | 0.00           |                    |
| 2,600.1                      | 9.00                   | 253.77             | 2,596.4                      | -19.7               | -67.7               | 1.00                           | 1.00                          | 0.00                         | 253.77         |                    |
| 6,454.8                      | 9.00                   | 253.77             | 6,403.6                      | -188.3              | -646.8              | 0.00                           | 0.00                          | 0.00                         | 0.00           |                    |
| 7,354.9                      | 0.00                   | 360.00             | 7,300.0                      | -208.0              | -714.5              | 1.00                           | -1.00                         | 0.00                         | 180.00         |                    |
| 8,420.9                      | 0.00                   | 360.00             | 8,366.0                      | -208.0              | -714.5              | 0.00                           | 0.00                          | 0.00                         | 360.00         |                    |
| 9,307.8                      | 88.70                  | 0.06               | 8,938.8                      | 351.9               | -713.9              | 10.00                          | 10.00                         | 0.01                         | 0.06           |                    |
| 13,816.1                     | 88.70                  | 0.06               | 9,041.4                      | 4,859.0             | -709.0              | 0.00                           | 0.00                          | 0.00                         | 0.00           | PBHL (Miso State # |





# Intrepid Planning Report



|                  |                                  |                                     |                       |
|------------------|----------------------------------|-------------------------------------|-----------------------|
| <b>Database:</b> | EDM 5000.15 Single User Db       | <b>Local Co-ordinate Reference:</b> | Well Miso State #233H |
| <b>Company:</b>  | Tap Rock Resources, LLC          | <b>TVD Reference:</b>               | KB @ 3637.0usft       |
| <b>Project:</b>  | Eddy County, NM (NAD 83 NME)     | <b>MD Reference:</b>                | KB @ 3637.0usft       |
| <b>Site:</b>     | (Miso State) Sec-2_T-26-S_R-25-E | <b>North Reference:</b>             | Grid                  |
| <b>Well:</b>     | Miso State #233H                 | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Wellbore:</b> | OWB                              |                                     |                       |
| <b>Design:</b>   | Plan #1                          |                                     |                       |

| 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               | 0.00            | 0.00        | 1,600.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,700.0               | 0.00            | 0.00        | 1,700.0               | 0.0          | 0.0          | 0.0                     | 0.00                    | 0.00                   | 0.00                  |
| 1,800.0               | 1.00            | 253.77      | 1,800.0               | -0.2         | -0.8         | -0.2                    | 1.00                    | 1.00                   | 0.00                  |
| 1,900.0               | 2.00            | 253.77      | 1,900.0               | -1.0         | -3.4         | -1.0                    | 1.00                    | 1.00                   | 0.00                  |
| 2,000.0               | 3.00            | 253.77      | 1,999.9               | -2.2         | -7.5         | -2.2                    | 1.00                    | 1.00                   | 0.00                  |
| 2,100.0               | 4.00            | 253.77      | 2,099.7               | -3.9         | -13.4        | -3.9                    | 1.00                    | 1.00                   | 0.00                  |
| 2,200.0               | 5.00            | 253.77      | 2,199.4               | -6.1         | -20.9        | -6.1                    | 1.00                    | 1.00                   | 0.00                  |
| 2,300.0               | 6.00            | 253.77      | 2,298.9               | -8.8         | -30.1        | -8.8                    | 1.00                    | 1.00                   | 0.00                  |
| 2,400.0               | 7.00            | 253.77      | 2,398.3               | -11.9        | -41.0        | -12.0                   | 1.00                    | 1.00                   | 0.00                  |
| 2,500.0               | 8.00            | 253.77      | 2,497.4               | -15.6        | -53.5        | -15.6                   | 1.00                    | 1.00                   | 0.00                  |
| 2,600.1               | 9.00            | 253.77      | 2,596.4               | -19.7        | -67.7        | -19.8                   | 1.00                    | 1.00                   | 0.00                  |
| 2,700.0               | 9.00            | 253.77      | 2,695.1               | -24.1        | -82.8        | -24.2                   | 0.00                    | 0.00                   | 0.00                  |
| 2,800.0               | 9.00            | 253.77      | 2,793.8               | -28.5        | -97.8        | -28.6                   | 0.00                    | 0.00                   | 0.00                  |
| 2,900.0               | 9.00            | 253.77      | 2,892.6               | -32.8        | -112.8       | -33.0                   | 0.00                    | 0.00                   | 0.00                  |
| 3,000.0               | 9.00            | 253.77      | 2,991.4               | -37.2        | -127.8       | -37.3                   | 0.00                    | 0.00                   | 0.00                  |
| 3,100.0               | 9.00            | 253.77      | 3,090.1               | -41.6        | -142.8       | -41.7                   | 0.00                    | 0.00                   | 0.00                  |
| 3,200.0               | 9.00            | 253.77      | 3,188.9               | -46.0        | -157.9       | -46.1                   | 0.00                    | 0.00                   | 0.00                  |
| 3,300.0               | 9.00            | 253.77      | 3,287.7               | -50.3        | -172.9       | -50.5                   | 0.00                    | 0.00                   | 0.00                  |
| 3,400.0               | 9.00            | 253.77      | 3,386.5               | -54.7        | -187.9       | -54.9                   | 0.00                    | 0.00                   | 0.00                  |
| 3,500.0               | 9.00            | 253.77      | 3,485.2               | -59.1        | -202.9       | -59.3                   | 0.00                    | 0.00                   | 0.00                  |
| 3,600.0               | 9.00            | 253.77      | 3,584.0               | -63.4        | -217.9       | -63.7                   | 0.00                    | 0.00                   | 0.00                  |
| 3,700.0               | 9.00            | 253.77      | 3,682.8               | -67.8        | -233.0       | -68.1                   | 0.00                    | 0.00                   | 0.00                  |
| 3,800.0               | 9.00            | 253.77      | 3,781.5               | -72.2        | -248.0       | -72.5                   | 0.00                    | 0.00                   | 0.00                  |
| 3,900.0               | 9.00            | 253.77      | 3,880.3               | -76.6        | -263.0       | -76.8                   | 0.00                    | 0.00                   | 0.00                  |
| 4,000.0               | 9.00            | 253.77      | 3,979.1               | -80.9        | -278.0       | -81.2                   | 0.00                    | 0.00                   | 0.00                  |
| 4,100.0               | 9.00            | 253.77      | 4,077.8               | -85.3        | -293.0       | -85.6                   | 0.00                    | 0.00                   | 0.00                  |
| 4,200.0               | 9.00            | 253.77      | 4,176.6               | -89.7        | -308.1       | -90.0                   | 0.00                    | 0.00                   | 0.00                  |
| 4,300.0               | 9.00            | 253.77      | 4,275.4               | -94.1        | -323.1       | -94.4                   | 0.00                    | 0.00                   | 0.00                  |
| 4,400.0               | 9.00            | 253.77      | 4,374.1               | -98.4        | -338.1       | -98.8                   | 0.00                    | 0.00                   | 0.00                  |
| 4,500.0               | 9.00            | 253.77      | 4,472.9               | -102.8       | -353.1       | -103.2                  | 0.00                    | 0.00                   | 0.00                  |
| 4,600.0               | 9.00            | 253.77      | 4,571.7               | -107.2       | -368.2       | -107.6                  | 0.00                    | 0.00                   | 0.00                  |
| 4,700.0               | 9.00            | 253.77      | 4,670.4               | -111.5       | -383.2       | -111.9                  | 0.00                    | 0.00                   | 0.00                  |
| 4,800.0               | 9.00            | 253.77      | 4,769.2               | -115.9       | -398.2       | -116.3                  | 0.00                    | 0.00                   | 0.00                  |
| 4,900.0               | 9.00            | 253.77      | 4,868.0               | -120.3       | -413.2       | -120.7                  | 0.00                    | 0.00                   | 0.00                  |
| 5,000.0               | 9.00            | 253.77      | 4,966.8               | -124.7       | -428.2       | -125.1                  | 0.00                    | 0.00                   | 0.00                  |
| 5,100.0               | 9.00            | 253.77      | 5,065.5               | -129.0       | -443.3       | -129.5                  | 0.00                    | 0.00                   | 0.00                  |
| 5,200.0               | 9.00            | 253.77      | 5,164.3               | -133.4       | -458.3       | -133.9                  | 0.00                    | 0.00                   | 0.00                  |
| 5,300.0               | 9.00            | 253.77      | 5,263.1               | -137.8       | -473.3       | -138.3                  | 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 Miso State #233H |
| <b>Company:</b>  | Tap Rock Resources, LLC          | <b>TVD Reference:</b>               | KB @ 3637.0usft       |
| <b>Project:</b>  | Eddy County, NM (NAD 83 NME)     | <b>MD Reference:</b>                | KB @ 3637.0usft       |
| <b>Site:</b>     | (Miso State) Sec-2_T-26-S_R-25-E | <b>North Reference:</b>             | Grid                  |
| <b>Well:</b>     | Miso State #233H                 | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Wellbore:</b> | OWB                              |                                     |                       |
| <b>Design:</b>   | Plan #1                          |                                     |                       |

| 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            | 253.77      | 5,361.8               | -142.2       | -488.3       | -142.7                  | 0.00                    | 0.00                   | 0.00                  |
| 5,500.0               | 9.00            | 253.77      | 5,460.6               | -146.5       | -503.3       | -147.1                  | 0.00                    | 0.00                   | 0.00                  |
| 5,600.0               | 9.00            | 253.77      | 5,559.4               | -150.9       | -518.4       | -151.4                  | 0.00                    | 0.00                   | 0.00                  |
| 5,700.0               | 9.00            | 253.77      | 5,658.1               | -155.3       | -533.4       | -155.8                  | 0.00                    | 0.00                   | 0.00                  |
| 5,800.0               | 9.00            | 253.77      | 5,756.9               | -159.6       | -548.4       | -160.2                  | 0.00                    | 0.00                   | 0.00                  |
| 5,900.0               | 9.00            | 253.77      | 5,855.7               | -164.0       | -563.4       | -164.6                  | 0.00                    | 0.00                   | 0.00                  |
| 6,000.0               | 9.00            | 253.77      | 5,954.4               | -168.4       | -578.4       | -169.0                  | 0.00                    | 0.00                   | 0.00                  |
| 6,100.0               | 9.00            | 253.77      | 6,053.2               | -172.8       | -593.5       | -173.4                  | 0.00                    | 0.00                   | 0.00                  |
| 6,200.0               | 9.00            | 253.77      | 6,152.0               | -177.1       | -608.5       | -177.8                  | 0.00                    | 0.00                   | 0.00                  |
| 6,300.0               | 9.00            | 253.77      | 6,250.7               | -181.5       | -623.5       | -182.2                  | 0.00                    | 0.00                   | 0.00                  |
| 6,400.0               | 9.00            | 253.77      | 6,349.5               | -185.9       | -638.5       | -186.6                  | 0.00                    | 0.00                   | 0.00                  |
| 6,454.8               | 9.00            | 253.77      | 6,403.6               | -188.3       | -646.8       | -189.0                  | 0.00                    | 0.00                   | 0.00                  |
| 6,500.0               | 8.55            | 253.77      | 6,448.3               | -190.2       | -653.4       | -190.9                  | 1.00                    | -1.00                  | 0.00                  |
| 6,600.0               | 7.55            | 253.77      | 6,547.3               | -194.1       | -666.8       | -194.8                  | 1.00                    | -1.00                  | 0.00                  |
| 6,700.0               | 6.55            | 253.77      | 6,646.6               | -197.6       | -678.6       | -198.3                  | 1.00                    | -1.00                  | 0.00                  |
| 6,800.0               | 5.55            | 253.77      | 6,746.0               | -200.5       | -688.7       | -201.2                  | 1.00                    | -1.00                  | 0.00                  |
| 6,900.0               | 4.55            | 253.77      | 6,845.6               | -203.0       | -697.2       | -203.7                  | 1.00                    | -1.00                  | 0.00                  |
| 7,000.0               | 3.55            | 253.77      | 6,945.4               | -204.9       | -704.0       | -205.7                  | 1.00                    | -1.00                  | 0.00                  |
| 7,100.0               | 2.55            | 253.77      | 7,045.2               | -206.4       | -709.1       | -207.2                  | 1.00                    | -1.00                  | 0.00                  |
| 7,200.0               | 1.55            | 253.77      | 7,145.2               | -207.4       | -712.5       | -208.2                  | 1.00                    | -1.00                  | 0.00                  |
| 7,300.0               | 0.55            | 253.77      | 7,245.1               | -207.9       | -714.2       | -208.7                  | 1.00                    | -1.00                  | 0.00                  |
| 7,354.9               | 0.00            | 360.00      | 7,300.0               | -208.0       | -714.5       | -208.7                  | 1.00                    | -1.00                  | 0.00                  |
| 7,400.0               | 0.00            | 0.00        | 7,345.1               | -208.0       | -714.5       | -208.7                  | 0.00                    | 0.00                   | 0.00                  |
| 7,500.0               | 0.00            | 0.00        | 7,445.1               | -208.0       | -714.5       | -208.7                  | 0.00                    | 0.00                   | 0.00                  |
| 7,600.0               | 0.00            | 0.00        | 7,545.1               | -208.0       | -714.5       | -208.7                  | 0.00                    | 0.00                   | 0.00                  |
| 7,700.0               | 0.00            | 0.00        | 7,645.1               | -208.0       | -714.5       | -208.7                  | 0.00                    | 0.00                   | 0.00                  |
| 7,800.0               | 0.00            | 0.00        | 7,745.1               | -208.0       | -714.5       | -208.7                  | 0.00                    | 0.00                   | 0.00                  |
| 7,900.0               | 0.00            | 0.00        | 7,845.1               | -208.0       | -714.5       | -208.7                  | 0.00                    | 0.00                   | 0.00                  |
| 8,000.0               | 0.00            | 0.00        | 7,945.1               | -208.0       | -714.5       | -208.7                  | 0.00                    | 0.00                   | 0.00                  |
| 8,100.0               | 0.00            | 0.00        | 8,045.1               | -208.0       | -714.5       | -208.7                  | 0.00                    | 0.00                   | 0.00                  |
| 8,200.0               | 0.00            | 0.00        | 8,145.1               | -208.0       | -714.5       | -208.7                  | 0.00                    | 0.00                   | 0.00                  |
| 8,300.0               | 0.00            | 0.00        | 8,245.1               | -208.0       | -714.5       | -208.7                  | 0.00                    | 0.00                   | 0.00                  |
| 8,400.0               | 0.00            | 0.00        | 8,345.1               | -208.0       | -714.5       | -208.7                  | 0.00                    | 0.00                   | 0.00                  |
| 8,420.9               | 0.00            | 360.00      | 8,366.0               | -208.0       | -714.5       | -208.7                  | 0.00                    | 0.00                   | 0.00                  |
| 8,450.0               | 2.91            | 0.06        | 8,395.1               | -207.3       | -714.5       | -208.0                  | 10.00                   | 10.00                  | 0.00                  |
| 8,500.0               | 7.91            | 0.06        | 8,444.9               | -202.5       | -714.5       | -203.3                  | 10.00                   | 10.00                  | 0.00                  |
| 8,550.0               | 12.91           | 0.06        | 8,494.0               | -193.5       | -714.5       | -194.3                  | 10.00                   | 10.00                  | 0.00                  |
| 8,600.0               | 17.91           | 0.06        | 8,542.2               | -180.2       | -714.5       | -181.0                  | 10.00                   | 10.00                  | 0.00                  |
| 8,650.0               | 22.91           | 0.06        | 8,589.1               | -162.8       | -714.5       | -163.5                  | 10.00                   | 10.00                  | 0.00                  |
| 8,700.0               | 27.91           | 0.06        | 8,634.2               | -141.3       | -714.4       | -142.1                  | 10.00                   | 10.00                  | 0.00                  |
| 8,750.0               | 32.91           | 0.06        | 8,677.3               | -116.0       | -714.4       | -116.8                  | 10.00                   | 10.00                  | 0.00                  |
| 8,800.0               | 37.91           | 0.06        | 8,718.1               | -87.1        | -714.4       | -87.8                   | 10.00                   | 10.00                  | 0.00                  |
| 8,850.0               | 42.91           | 0.06        | 8,756.1               | -54.7        | -714.3       | -55.4                   | 10.00                   | 10.00                  | 0.00                  |
| 8,900.0               | 47.91           | 0.06        | 8,791.2               | -19.1        | -714.3       | -19.8                   | 10.00                   | 10.00                  | 0.00                  |
| 8,950.0               | 52.91           | 0.06        | 8,823.1               | 19.5         | -714.3       | 18.7                    | 10.00                   | 10.00                  | 0.00                  |
| 9,000.0               | 57.91           | 0.06        | 8,851.4               | 60.6         | -714.2       | 59.9                    | 10.00                   | 10.00                  | 0.00                  |
| 9,050.0               | 62.91           | 0.06        | 8,876.1               | 104.1        | -714.2       | 103.3                   | 10.00                   | 10.00                  | 0.00                  |
| 9,100.0               | 67.91           | 0.06        | 8,896.9               | 149.5        | -714.1       | 148.8                   | 10.00                   | 10.00                  | 0.00                  |
| 9,150.0               | 72.91           | 0.06        | 8,913.7               | 196.6        | -714.1       | 195.9                   | 10.00                   | 10.00                  | 0.00                  |
| 9,200.0               | 77.91           | 0.06        | 8,926.3               | 245.0        | -714.0       | 244.2                   | 10.00                   | 10.00                  | 0.00                  |
| 9,250.0               | 82.91           | 0.06        | 8,934.6               | 294.3        | -714.0       | 293.5                   | 10.00                   | 10.00                  | 0.00                  |
| 9,300.0               | 87.91           | 0.06        | 8,938.6               | 344.1        | -713.9       | 343.4                   | 10.00                   | 10.00                  | 0.00                  |
| 9,307.8               | 88.70           | 0.06        | 8,938.8               | 351.9        | -713.9       | 351.2                   | 10.00                   | 10.00                  | 0.00                  |
| 9,400.0               | 88.70           | 0.06        | 8,940.9               | 444.1        | -713.8       | 443.3                   | 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 Miso State #233H |
| <b>Company:</b>  | Tap Rock Resources, LLC          | <b>TVD Reference:</b>               | KB @ 3637.0usft       |
| <b>Project:</b>  | Eddy County, NM (NAD 83 NME)     | <b>MD Reference:</b>                | KB @ 3637.0usft       |
| <b>Site:</b>     | (Miso State) Sec-2_T-26-S_R-25-E | <b>North Reference:</b>             | Grid                  |
| <b>Well:</b>     | Miso State #233H                 | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Wellbore:</b> | OWB                              |                                     |                       |
| <b>Design:</b>   | Plan #1                          |                                     |                       |

| 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) |
| 9,500.0               | 88.70           | 0.06        | 8,943.2               | 544.0        | -713.7       | 543.3                   | 0.00                    | 0.00                   | 0.00                  |
| 9,600.0               | 88.70           | 0.06        | 8,945.5               | 644.0        | -713.6       | 643.3                   | 0.00                    | 0.00                   | 0.00                  |
| 9,700.0               | 88.70           | 0.06        | 8,947.7               | 744.0        | -713.5       | 743.2                   | 0.00                    | 0.00                   | 0.00                  |
| 9,800.0               | 88.70           | 0.06        | 8,950.0               | 844.0        | -713.4       | 843.2                   | 0.00                    | 0.00                   | 0.00                  |
| 9,900.0               | 88.70           | 0.06        | 8,952.3               | 943.9        | -713.2       | 943.2                   | 0.00                    | 0.00                   | 0.00                  |
| 10,000.0              | 88.70           | 0.06        | 8,954.6               | 1,043.9      | -713.1       | 1,043.2                 | 0.00                    | 0.00                   | 0.00                  |
| 10,100.0              | 88.70           | 0.06        | 8,956.8               | 1,143.9      | -713.0       | 1,143.1                 | 0.00                    | 0.00                   | 0.00                  |
| 10,200.0              | 88.70           | 0.06        | 8,959.1               | 1,243.9      | -712.9       | 1,243.1                 | 0.00                    | 0.00                   | 0.00                  |
| 10,300.0              | 88.70           | 0.06        | 8,961.4               | 1,343.8      | -712.8       | 1,343.1                 | 0.00                    | 0.00                   | 0.00                  |
| 10,400.0              | 88.70           | 0.06        | 8,963.7               | 1,443.8      | -712.7       | 1,443.1                 | 0.00                    | 0.00                   | 0.00                  |
| 10,500.0              | 88.70           | 0.06        | 8,965.9               | 1,543.8      | -712.6       | 1,543.0                 | 0.00                    | 0.00                   | 0.00                  |
| 10,600.0              | 88.70           | 0.06        | 8,968.2               | 1,643.8      | -712.5       | 1,643.0                 | 0.00                    | 0.00                   | 0.00                  |
| 10,700.0              | 88.70           | 0.06        | 8,970.5               | 1,743.7      | -712.4       | 1,743.0                 | 0.00                    | 0.00                   | 0.00                  |
| 10,800.0              | 88.70           | 0.06        | 8,972.8               | 1,843.7      | -712.3       | 1,843.0                 | 0.00                    | 0.00                   | 0.00                  |
| 10,900.0              | 88.70           | 0.06        | 8,975.1               | 1,943.7      | -712.2       | 1,942.9                 | 0.00                    | 0.00                   | 0.00                  |
| 11,000.0              | 88.70           | 0.06        | 8,977.3               | 2,043.7      | -712.1       | 2,042.9                 | 0.00                    | 0.00                   | 0.00                  |
| 11,100.0              | 88.70           | 0.06        | 8,979.6               | 2,143.6      | -711.9       | 2,142.9                 | 0.00                    | 0.00                   | 0.00                  |
| 11,200.0              | 88.70           | 0.06        | 8,981.9               | 2,243.6      | -711.8       | 2,242.9                 | 0.00                    | 0.00                   | 0.00                  |
| 11,300.0              | 88.70           | 0.06        | 8,984.2               | 2,343.6      | -711.7       | 2,342.8                 | 0.00                    | 0.00                   | 0.00                  |
| 11,400.0              | 88.70           | 0.06        | 8,986.4               | 2,443.6      | -711.6       | 2,442.8                 | 0.00                    | 0.00                   | 0.00                  |
| 11,500.0              | 88.70           | 0.06        | 8,988.7               | 2,543.5      | -711.5       | 2,542.8                 | 0.00                    | 0.00                   | 0.00                  |
| 11,600.0              | 88.70           | 0.06        | 8,991.0               | 2,643.5      | -711.4       | 2,642.8                 | 0.00                    | 0.00                   | 0.00                  |
| 11,700.0              | 88.70           | 0.06        | 8,993.3               | 2,743.5      | -711.3       | 2,742.7                 | 0.00                    | 0.00                   | 0.00                  |
| 11,800.0              | 88.70           | 0.06        | 8,995.5               | 2,843.5      | -711.2       | 2,842.7                 | 0.00                    | 0.00                   | 0.00                  |
| 11,900.0              | 88.70           | 0.06        | 8,997.8               | 2,943.4      | -711.1       | 2,942.7                 | 0.00                    | 0.00                   | 0.00                  |
| 12,000.0              | 88.70           | 0.06        | 9,000.1               | 3,043.4      | -711.0       | 3,042.7                 | 0.00                    | 0.00                   | 0.00                  |
| 12,100.0              | 88.70           | 0.06        | 9,002.4               | 3,143.4      | -710.9       | 3,142.6                 | 0.00                    | 0.00                   | 0.00                  |
| 12,200.0              | 88.70           | 0.06        | 9,004.6               | 3,243.3      | -710.8       | 3,242.6                 | 0.00                    | 0.00                   | 0.00                  |
| 12,300.0              | 88.70           | 0.06        | 9,006.9               | 3,343.3      | -710.6       | 3,342.6                 | 0.00                    | 0.00                   | 0.00                  |
| 12,400.0              | 88.70           | 0.06        | 9,009.2               | 3,443.3      | -710.5       | 3,442.5                 | 0.00                    | 0.00                   | 0.00                  |
| 12,500.0              | 88.70           | 0.06        | 9,011.5               | 3,543.3      | -710.4       | 3,542.5                 | 0.00                    | 0.00                   | 0.00                  |
| 12,600.0              | 88.70           | 0.06        | 9,013.8               | 3,643.2      | -710.3       | 3,642.5                 | 0.00                    | 0.00                   | 0.00                  |
| 12,700.0              | 88.70           | 0.06        | 9,016.0               | 3,743.2      | -710.2       | 3,742.5                 | 0.00                    | 0.00                   | 0.00                  |
| 12,800.0              | 88.70           | 0.06        | 9,018.3               | 3,843.2      | -710.1       | 3,842.4                 | 0.00                    | 0.00                   | 0.00                  |
| 12,900.0              | 88.70           | 0.06        | 9,020.6               | 3,943.2      | -710.0       | 3,942.4                 | 0.00                    | 0.00                   | 0.00                  |
| 13,000.0              | 88.70           | 0.06        | 9,022.9               | 4,043.1      | -709.9       | 4,042.4                 | 0.00                    | 0.00                   | 0.00                  |
| 13,100.0              | 88.70           | 0.06        | 9,025.1               | 4,143.1      | -709.8       | 4,142.4                 | 0.00                    | 0.00                   | 0.00                  |
| 13,200.0              | 88.70           | 0.06        | 9,027.4               | 4,243.1      | -709.7       | 4,242.3                 | 0.00                    | 0.00                   | 0.00                  |
| 13,300.0              | 88.70           | 0.06        | 9,029.7               | 4,343.1      | -709.6       | 4,342.3                 | 0.00                    | 0.00                   | 0.00                  |
| 13,400.0              | 88.70           | 0.06        | 9,032.0               | 4,443.0      | -709.5       | 4,442.3                 | 0.00                    | 0.00                   | 0.00                  |
| 13,500.0              | 88.70           | 0.06        | 9,034.2               | 4,543.0      | -709.3       | 4,542.3                 | 0.00                    | 0.00                   | 0.00                  |
| 13,600.0              | 88.70           | 0.06        | 9,036.5               | 4,643.0      | -709.2       | 4,642.2                 | 0.00                    | 0.00                   | 0.00                  |
| 13,700.0              | 88.70           | 0.06        | 9,038.8               | 4,743.0      | -709.1       | 4,742.2                 | 0.00                    | 0.00                   | 0.00                  |
| 13,800.0              | 88.70           | 0.06        | 9,041.1               | 4,842.9      | -709.0       | 4,842.2                 | 0.00                    | 0.00                   | 0.00                  |
| 13,816.1              | 88.70           | 0.06        | 9,041.4               | 4,859.0      | -709.0       | 4,858.3                 | 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 Miso State #233H |
| <b>Company:</b>  | Tap Rock Resources, LLC          | <b>TVD Reference:</b>               | KB @ 3637.0usft       |
| <b>Project:</b>  | Eddy County, NM (NAD 83 NME)     | <b>MD Reference:</b>                | KB @ 3637.0usft       |
| <b>Site:</b>     | (Miso State) Sec-2_T-26-S_R-25-E | <b>North Reference:</b>             | Grid                  |
| <b>Well:</b>     | Miso State #233H                 | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Wellbore:</b> | OWB                              |                                     |                       |
| <b>Design:</b>   | Plan #1                          |                                     |                       |

## Design Targets

### Target Name

| - hit/miss target<br>- Shape                                                                                                 | Dip Angle<br>(°) | Dip Dir.<br>(°) | TVD<br>(usft) | +N/-S<br>(usft) | +E/-W<br>(usft) | Northing<br>(usft) | Easting<br>(usft) | Latitude        | Longitude         |
|------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------|---------------|-----------------|-----------------|--------------------|-------------------|-----------------|-------------------|
| FTP (Miso State #233<br>- plan misses target center by 62.6usft at 9048.7usft MD (8875.5 TVD, 102.9 N, -714.2 E)<br>- Point  | 0.00             | 360.00          | 8,930.0       | 72.0            | -714.0          | 387,524.00         | 531,576.00        | 32° 3' 55.366 N | 104° 21' 53.444 W |
| LTP (Miso State #233<br>- plan misses target center by 3.0usft at 13686.1usft MD (9038.5 TVD, 4729.1 N, -709.1 E)<br>- Point | 0.00             | 360.00          | 9,041.4       | 4,729.0         | -709.0          | 392,181.00         | 531,581.00        | 32° 4' 41.453 N | 104° 21' 53.402 W |
| PBHL (Miso State #233<br>- plan hits target center<br>- Rectangle (sides W100.0 H4,787.0 D30.0)                              | 1.30             | 0.06            | 9,041.4       | 4,859.0         | -709.0          | 392,311.00         | 531,581.00        | 32° 4' 42.739 N | 104° 21' 53.402 W |

## Formations

| Measured<br>Depth<br>(usft) | Vertical<br>Depth<br>(usft) | Name                 | Lithology | Dip<br>(°) | Dip<br>Direction<br>(°) |
|-----------------------------|-----------------------------|----------------------|-----------|------------|-------------------------|
| 115.0                       | 115.0                       | Rustler Anhydrite    |           |            |                         |
| 360.0                       | 360.0                       | Top Salt             |           |            |                         |
| 1,390.0                     | 1,390.0                     | Base Salt            |           |            |                         |
| 1,585.0                     | 1,585.0                     | Delaware Mountain Gp |           |            |                         |
| 1,595.0                     | 1,595.0                     | Lamar                |           |            |                         |
| 1,625.0                     | 1,625.0                     | Bell Canyon          |           |            |                         |
| 1,670.0                     | 1,670.0                     | Ramsey Sand          |           |            |                         |
| 2,487.5                     | 2,485.0                     | Cherry Canyon        |           |            |                         |
| 3,515.0                     | 3,500.0                     | Brushy Canyon        |           |            |                         |
| 5,150.1                     | 5,115.0                     | Bone Spring Lime     |           |            |                         |
| 5,231.1                     | 5,195.0                     | Upper Avalon         |           |            |                         |
| 5,570.3                     | 5,530.0                     | Middle Avalon        |           |            |                         |
| 5,909.4                     | 5,865.0                     | Lower Avalon         |           |            |                         |
| 6,046.1                     | 6,000.0                     | 1st Bone Spring Sand |           |            |                         |
| 6,268.9                     | 6,220.0                     | 2nd Bone Spring Carb |           |            |                         |
| 6,643.0                     | 6,590.0                     | 2nd Bone Spring Sand |           |            |                         |
| 7,064.7                     | 7,010.0                     | 3rd Bone Spring Carb |           |            |                         |
| 7,919.9                     | 7,865.0                     | 3rd Bone Spring Sand |           |            |                         |
| 8,179.9                     | 8,125.0                     | 3rd BS W Sand        |           |            |                         |
| 8,274.9                     | 8,220.0                     | Wolfcamp A X Sand    |           |            |                         |
| 8,369.9                     | 8,315.0                     | Wolfcamp A Y Sand    |           |            |                         |
| 8,409.9                     | 8,355.0                     | Wolfcamp A Lower     |           |            |                         |
| 8,500.1                     | 8,445.0                     | Wolfcamp B           |           |            |                         |
| 8,841.7                     | 8,750.0                     | Wolfcamp B1          |           |            |                         |
| 9,122.6                     | 8,905.0                     | Wolfcamp C           |           |            |                         |



# Intrepid Planning Report



|                  |                                  |                                     |                       |
|------------------|----------------------------------|-------------------------------------|-----------------------|
| <b>Database:</b> | EDM 5000.15 Single User Db       | <b>Local Co-ordinate Reference:</b> | Well Miso State #233H |
| <b>Company:</b>  | Tap Rock Resources, LLC          | <b>TVD Reference:</b>               | KB @ 3637.0usft       |
| <b>Project:</b>  | Eddy County, NM (NAD 83 NME)     | <b>MD Reference:</b>                | KB @ 3637.0usft       |
| <b>Site:</b>     | (Miso State) Sec-2_T-26-S_R-25-E | <b>North Reference:</b>             | Grid                  |
| <b>Well:</b>     | Miso State #233H                 | <b>Survey Calculation Method:</b>   | Minimum Curvature     |
| <b>Wellbore:</b> | OWB                              |                                     |                       |
| <b>Design:</b>   | Plan #1                          |                                     |                       |

| Plan Annotations      |                       |                   |              |                                |
|-----------------------|-----------------------|-------------------|--------------|--------------------------------|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates |              | Comment                        |
|                       |                       | +N/-S (usft)      | +E/-W (usft) |                                |
| 1,700.0               | 1,700.0               | 0.0               | 0.0          | NUDGE - Build 1.00             |
| 2,600.1               | 2,596.4               | -19.7             | -67.7        | HOLD - 3854.7 at 2600.1 MD     |
| 6,454.8               | 6,403.6               | -188.3            | -646.8       | DROP - -1.00                   |
| 7,354.9               | 7,300.0               | -208.0            | -714.5       | HOLD - 1066.0 at 7354.9 MD     |
| 8,420.9               | 8,366.0               | -208.0            | -714.5       | KOP - Start DLS 10.00 TFO 0.06 |
| 9,307.8               | 8,938.8               | 351.9             | -713.9       | EOC - 4508.3 hold at 9307.8 MD |
| 13,816.1              | 9,041.4               | 4,859.0           | -709.0       | TD at 13816.1                  |



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**District III**  
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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**

COMMENTS

Action 56356

COMMENTS

|                                                                                  |                                                      |
|----------------------------------------------------------------------------------|------------------------------------------------------|
| Operator:<br>TAP ROCK OPERATING, LLC<br>523 Park Point Drive<br>Golden, CO 80401 | OGRID:<br>372043                                     |
|                                                                                  | Action Number:<br>56356                              |
|                                                                                  | Action Type:<br>[C-103] NOI Change of Plans (C-103A) |

COMMENTS

| Created By | Comment                  | Comment Date |
|------------|--------------------------|--------------|
| kpickford  | KP GEO Review 10/18/2021 | 10/18/2021   |

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CONDITIONS

Action 56356

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|                                                                                  |                                                      |
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|                                                                                  | Action Type:<br>[C-103] NOI Change of Plans (C-103A) |

**CONDITIONS**

| Created By | Condition                                       | Condition Date |
|------------|-------------------------------------------------|----------------|
| kpickford  | Adhere to previous NMOCD Conditions of Approval | 10/18/2021     |