

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. 30-025-48729
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Prometheus State Com
8. Well Number 135H
9. OGRID Number 372043
10. Pool name or Wildcat TRIPLE X;BONE SPRING, WEST
4. Well Location Unit Letter <u>M</u> : <u>1153</u> feet from the <u>South</u> line and <u>124</u> feet from the <u>West</u> line 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.) 3549

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

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
DOWNHOLE COMMINGLE ☐	P AND A ☐
CLOSED-LOOP SYSTEM ☐	CASING/CEMENT JOB ☐
OTHER: Bottom Hole Location ☒	OTHER: ☐

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 135H. 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, 850 FWL, Section 15, Township 24S, Range 33E

Proposed Bottom Hole Location: 30 FNL, 792 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
Phone: (575) 393-6161 Fax: (575) 393-0720

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Phone: (575) 748-1283 Fax: (575) 748-9720

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

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

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

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office☐ **AMENDED REPORT**

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-48729	² Pool Code 96674	³ Pool Name TRIPLE X;BONE SPRING, WEST
⁴ Property Code 330700	⁵ Property Name PROMETHEUS STATE COM	
⁷ OGRID No. #372043	⁸ Operator Name TAP ROCK OPERATING, LLC.	⁶ Well Number 135H ⁹ Elevation 3549'

¹⁰Surface Location

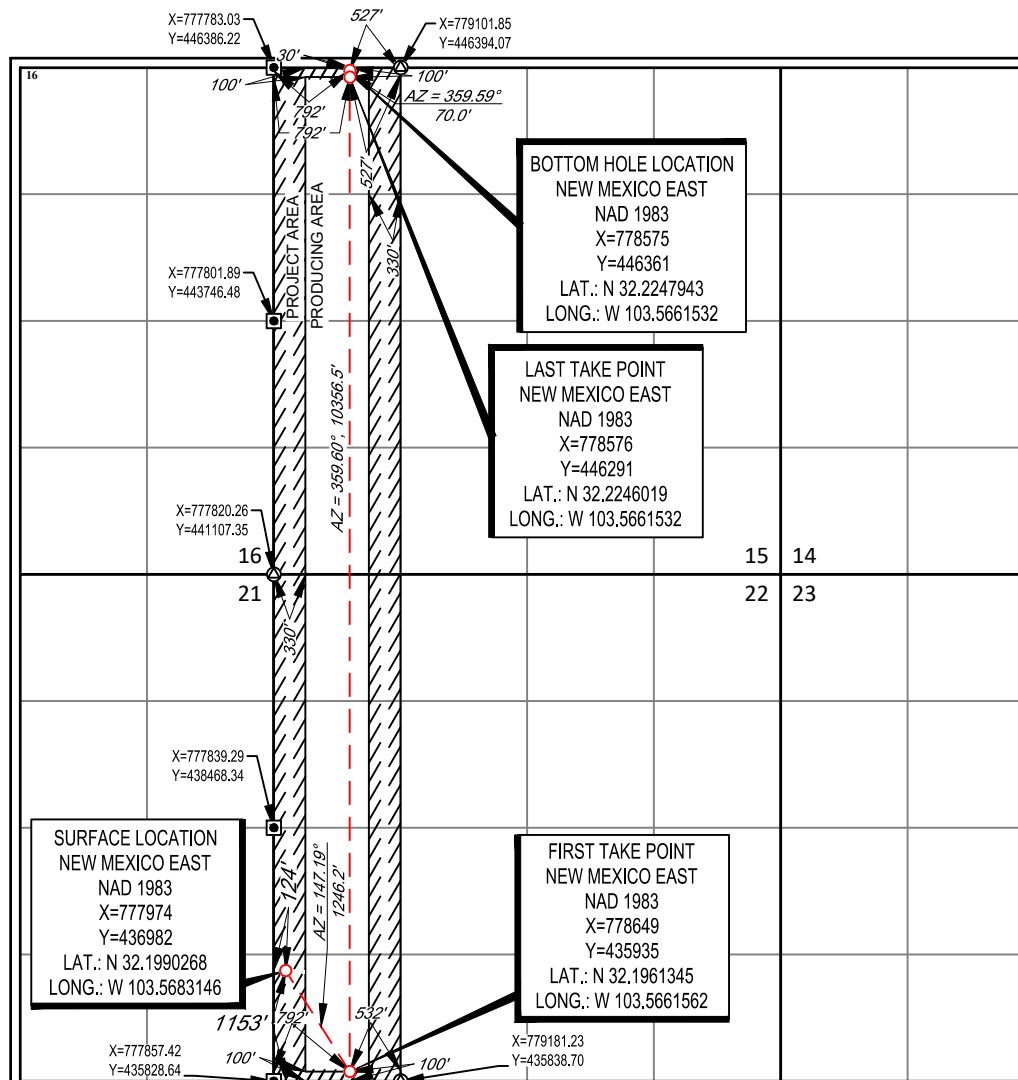
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	22	24-S	33-E	-	1153'	SOUTH	124'	WEST	LEA

¹¹Bottom 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
D	15	24-S	33-E	-	30'	NORTH	792'	WEST	LEA

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



17 OPERATOR CERTIFICATION

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

Kenny

9/29/2021

Signature _____

Date _____

Bill Ramsey

Printed Name _____

bramsey@taprk.com

E-mail Address

18 SURVEYOR CERTIFICATION

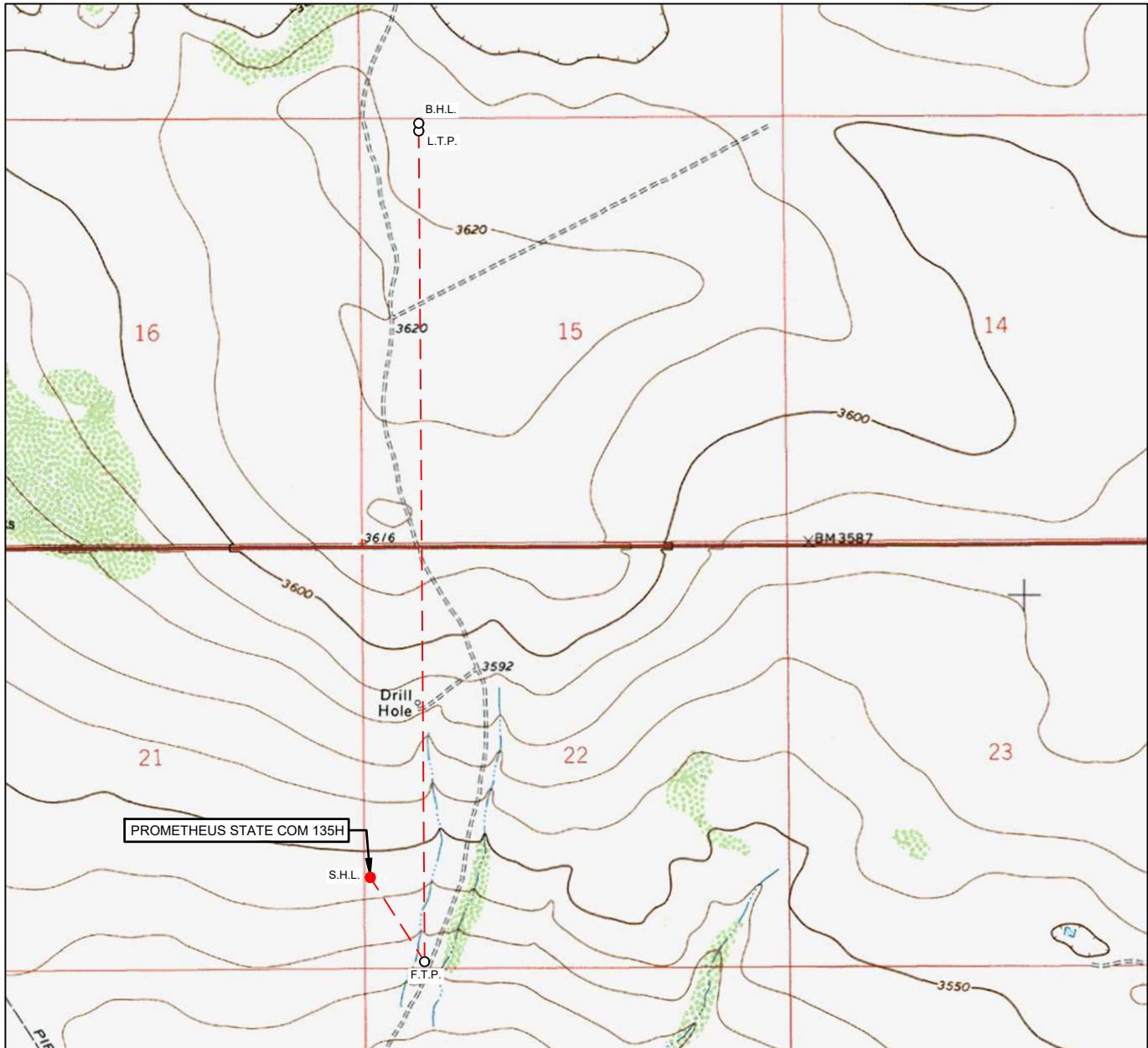
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.

~~03/29/2021~~

Date of Survey _____
Signature and Seal of Professional Surveyor _____

Certificate Number

LOCATION & ELEVATION VERIFICATION MAP

LEASE NAME & WELL NO.: PROMETHEUS STATE COM 135H

SECTION 22 TWP 24-S RGE 33-E SURVEY N.M.P.M.
 COUNTY LEA STATE NM ELEVATION 3549'
 DESCRIPTION 1153' FSL & 124' FWL

LATITUDE N 32.1990268 LONGITUDE W 103.5683146

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

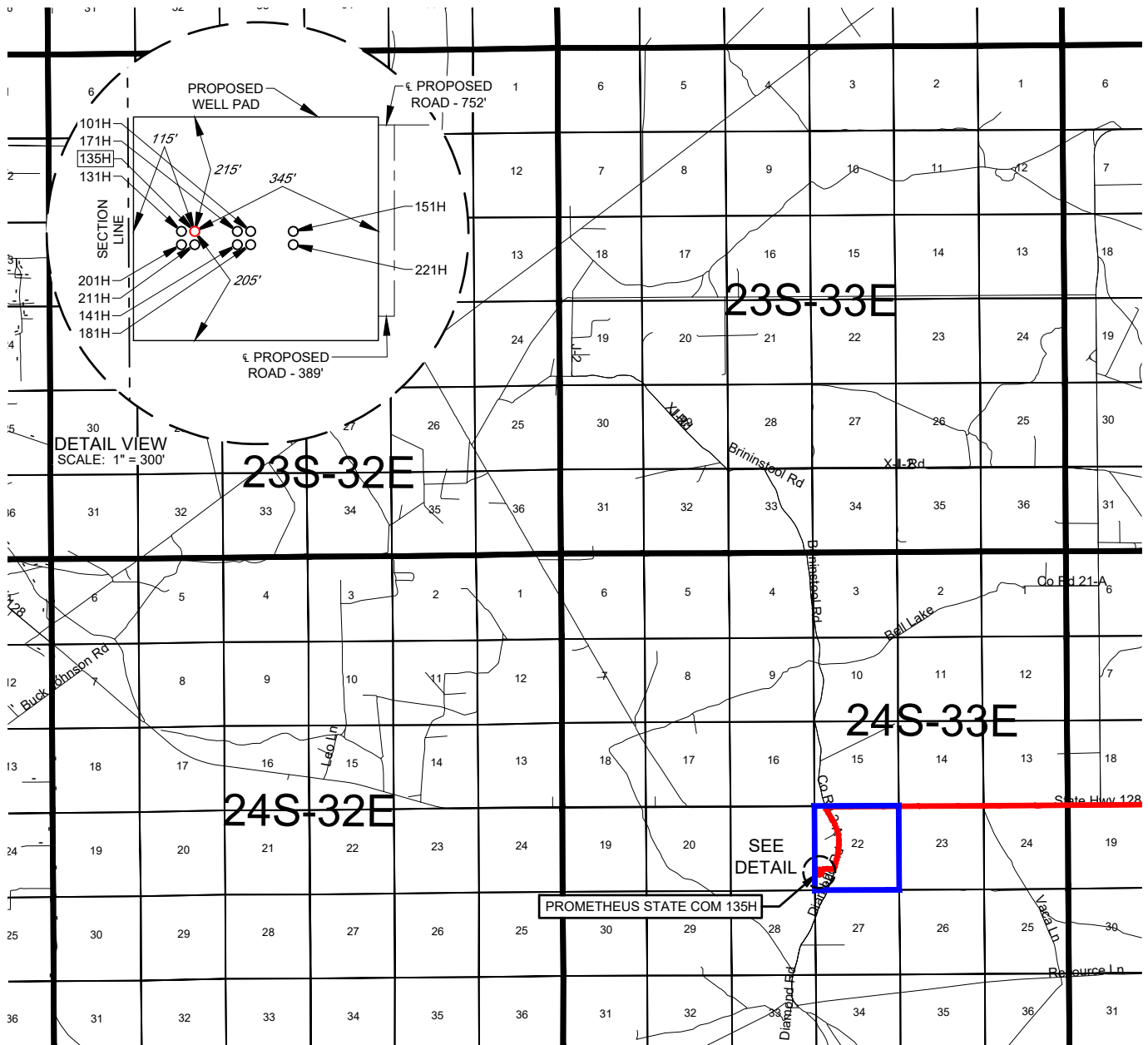
THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY TAP ROCK OPERATING, LLC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF 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

EXHIBIT 2
VICINITY MAPLEASE NAME & WELL NO.: PROMETHEUS STATE COM 135HSECTION 22 TWP 24-S RGE 33-E SURVEY N.M.P.M.COUNTY LEA STATE NMDESCRIPTION 1153' FSL & 124' 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 ±0.8 MILES,
 THENCE WEST (RIGHT) ON A PROPOSED RD. ±752 FEET TO A POINT
 ±399 FEET NORTHEAST OF THE LOCATION.

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.



SCALE: 1" = 10000'
 0' 5000' 10000'

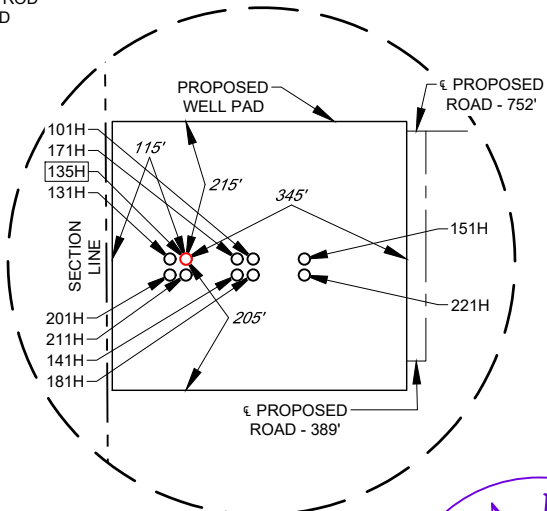
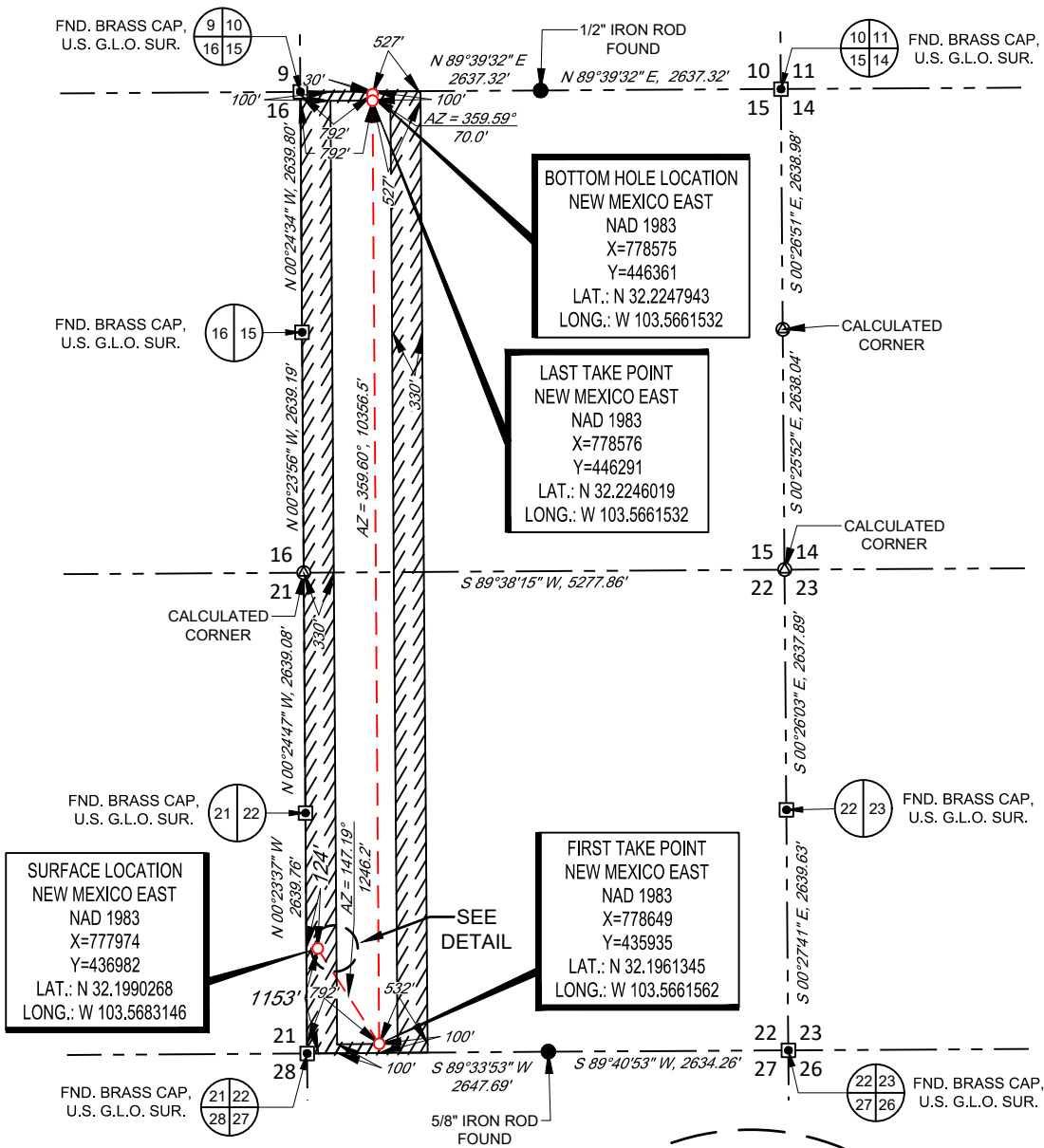


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 WWW.TOPOGRAPHIC.COM

TAP
ROCK
EXHIBIT 2A

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



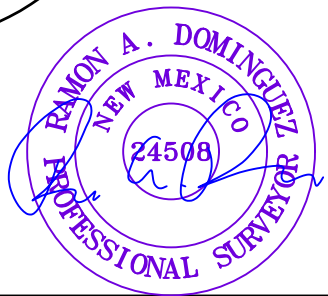
SCALE: 1" = 2000'

LEASE NAME & WELL NO.: _____ PROMETHEUS STATE COM 135H

SECTION 22 TWP 24-S RGE 33-E SURVEY N.M.P.M.
COUNTY LEA STATE NM
DESCRIPTION 1153' FSL & 124' 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 ±0.8 MILES.
THENCE WEST (RIGHT) ON A PROPOSED RD. ±752 FEET TO A POINT
±399 FEET NORTHEAST 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
September 9, 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
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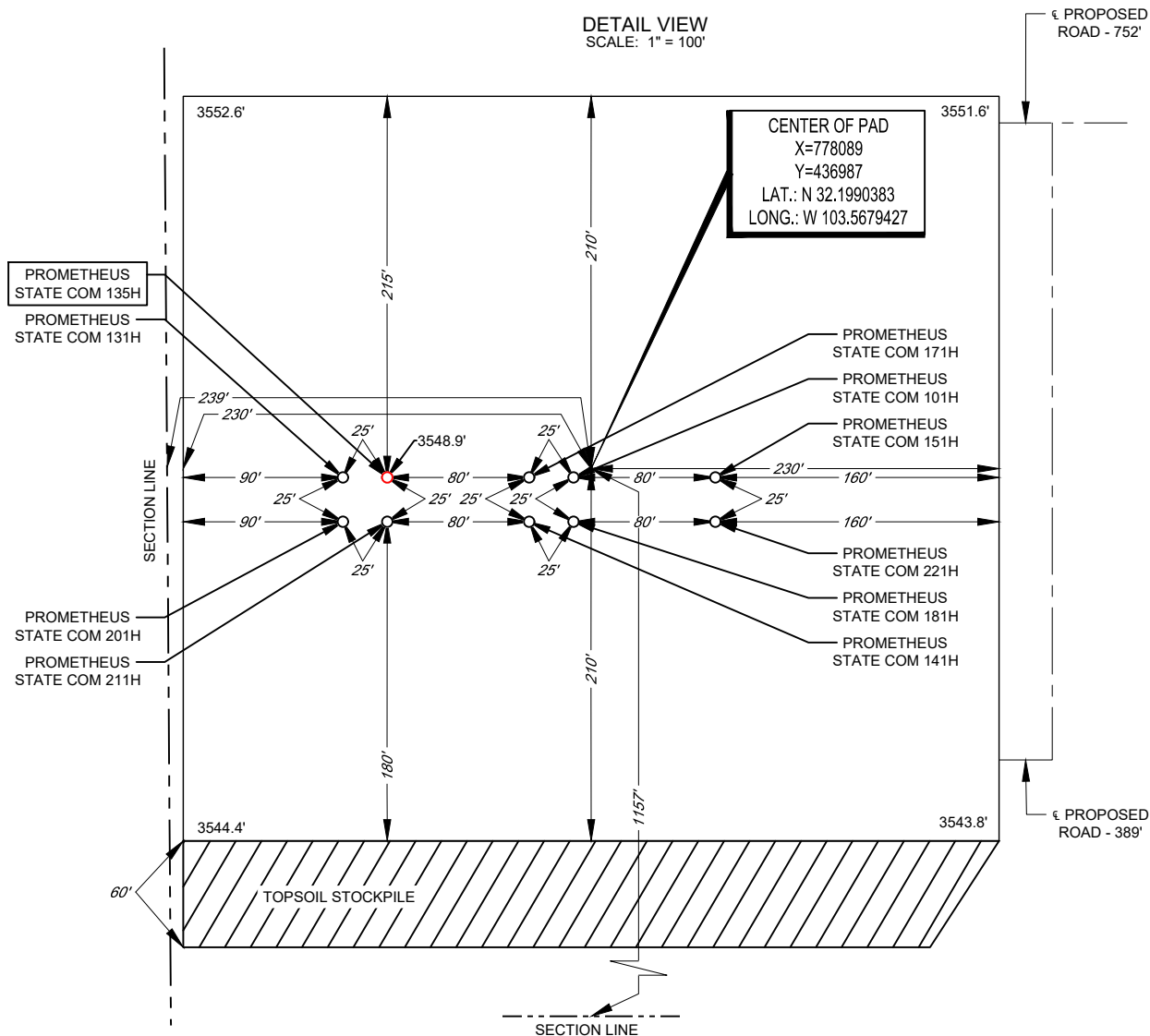


SECTION 22, TOWNSHIP 24-S, RANGE 33-E, N.M.P.M.
LEA COUNTY, NEW MEXICO

LEGEND

 SECTION LINE
 PROPOSED ROAD

DETAIL VIEW
SCALE: 1" = 100'



LEASE NAME & WELL NO.: PROMETHEUS STATE COM 135H
135H LATITUDE N 32.1990268 135H LONGITUDE W 103.5683146

CENTER OF PAD IS 1157' FSL & 239' FWL



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



SCALE: 1" = 100'



0' 50' 100'

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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PROMETHEUS STATE COM 135H

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	1258	568	0	Fresh Water
Intermediate	9.875	7.625	29.7	P-110	9280	1656	0	Diesel Brine
	8.75	7.625	29.7	P-110	11960			
Production	6.75	5.5	20	P-110	22860	843	11760	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 #135H**

OWB

Plan: Plan #2

Standard Planning Report

04 October, 2021





Intrepid Planning Report



Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well Prometheus State Com #135H
Company:	Tap Rock Resources, LLC	TVD Reference:	KB @ 3575.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB @ 3575.0usft
Site:	(Promethus State) Sec-22_T-24-S_R-34-E	North Reference:	Grid
Well:	Prometheus State Com #135H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	Plan #2		

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

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

Well	Prometheus State Com #135H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	-105.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	
		Latitude:	32° 11' 56.495 N
		Longitude:	103° 34' 5.927 W
		Ground Level:	3,549.0 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	04/08/21	6.54	59.99	47,531.38280131

Design	Plan #2			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	359.59

Plan Survey Tool Program	Date	10/04/21		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	22,861.3 Plan #2 (OWB)	MWD	
			OWSG MWD - Standard	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,799.8	10.00	148.38	2,794.8	-74.1	45.6	1.00	1.00	0.00	148.38	
9,217.8	10.00	148.38	9,115.2	-1,022.9	629.9	0.00	0.00	0.00	0.00	
10,217.6	0.00	0.01	10,110.0	-1,097.0	675.5	1.00	-1.00	0.00	180.00	
12,057.6	0.00	0.01	11,950.0	-1,097.0	675.5	0.00	0.00	0.00	0.01	
12,962.6	90.50	359.59	12,522.9	-519.0	671.4	10.00	10.00	-0.05	359.59	
22,861.3	90.50	359.59	12,436.2	9,379.0	601.0	0.00	0.00	0.00	0.00	PBHL (Prometheus)



Intrepid Planning Report



Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well Prometheus State Com #135H
Company:	Tap Rock Resources, LLC	TVD Reference:	KB @ 3575.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB @ 3575.0usft
Site:	(Prometheus State) Sec-22_T-24-S_R-34-E	North Reference:	Grid
Well:	Prometheus State Com #135H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	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)
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	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	1.00	148.38	1,900.0	-0.7	0.5	-0.7	1.00	1.00	0.00
2,000.0	2.00	148.38	2,000.0	-3.0	1.8	-3.0	1.00	1.00	0.00
2,100.0	3.00	148.38	2,099.9	-6.7	4.1	-6.7	1.00	1.00	0.00
2,200.0	4.00	148.38	2,199.7	-11.9	7.3	-11.9	1.00	1.00	0.00
2,300.0	5.00	148.38	2,299.4	-18.6	11.4	-18.6	1.00	1.00	0.00
2,400.0	6.00	148.38	2,398.9	-26.7	16.5	-26.8	1.00	1.00	0.00
2,500.0	7.00	148.38	2,498.3	-36.4	22.4	-36.5	1.00	1.00	0.00
2,600.0	8.00	148.38	2,597.4	-47.5	29.2	-47.7	1.00	1.00	0.00
2,700.0	9.00	148.38	2,696.3	-60.1	37.0	-60.3	1.00	1.00	0.00
2,799.8	10.00	148.38	2,794.8	-74.1	45.6	-74.4	1.00	1.00	0.00
2,900.0	10.00	148.38	2,893.4	-88.9	54.7	-89.3	0.00	0.00	0.00
3,000.0	10.00	148.38	2,991.9	-103.7	63.8	-104.1	0.00	0.00	0.00
3,100.0	10.00	148.38	3,090.4	-118.5	73.0	-119.0	0.00	0.00	0.00
3,200.0	10.00	148.38	3,188.9	-133.3	82.1	-133.8	0.00	0.00	0.00
3,300.0	10.00	148.38	3,287.3	-148.0	91.2	-148.7	0.00	0.00	0.00
3,400.0	10.00	148.38	3,385.8	-162.8	100.3	-163.5	0.00	0.00	0.00
3,500.0	10.00	148.38	3,484.3	-177.6	109.4	-178.4	0.00	0.00	0.00
3,600.0	10.00	148.38	3,582.8	-192.4	118.5	-193.2	0.00	0.00	0.00
3,700.0	10.00	148.38	3,681.3	-207.2	127.6	-208.1	0.00	0.00	0.00
3,800.0	10.00	148.38	3,779.7	-222.0	136.7	-222.9	0.00	0.00	0.00
3,900.0	10.00	148.38	3,878.2	-236.7	145.8	-237.8	0.00	0.00	0.00
4,000.0	10.00	148.38	3,976.7	-251.5	154.9	-252.6	0.00	0.00	0.00
4,100.0	10.00	148.38	4,075.2	-266.3	164.0	-267.5	0.00	0.00	0.00
4,200.0	10.00	148.38	4,173.7	-281.1	173.1	-282.3	0.00	0.00	0.00
4,300.0	10.00	148.38	4,272.2	-295.9	182.2	-297.2	0.00	0.00	0.00
4,400.0	10.00	148.38	4,370.6	-310.7	191.3	-312.0	0.00	0.00	0.00
4,500.0	10.00	148.38	4,469.1	-325.4	200.4	-326.9	0.00	0.00	0.00
4,600.0	10.00	148.38	4,567.6	-340.2	209.5	-341.7	0.00	0.00	0.00
4,700.0	10.00	148.38	4,666.1	-355.0	218.6	-356.6	0.00	0.00	0.00
4,800.0	10.00	148.38	4,764.6	-369.8	227.7	-371.4	0.00	0.00	0.00
4,900.0	10.00	148.38	4,863.0	-384.6	236.8	-386.3	0.00	0.00	0.00
5,000.0	10.00	148.38	4,961.5	-399.4	245.9	-401.1	0.00	0.00	0.00
5,100.0	10.00	148.38	5,060.0	-414.1	255.0	-416.0	0.00	0.00	0.00
5,200.0	10.00	148.38	5,158.5	-428.9	264.1	-430.8	0.00	0.00	0.00
5,300.0	10.00	148.38	5,257.0	-443.7	273.2	-445.7	0.00	0.00	0.00



Intrepid Planning Report



Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well Prometheus State Com #135H
Company:	Tap Rock Resources, LLC	TVD Reference:	KB @ 3575.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB @ 3575.0usft
Site:	(Prometheus State) Sec-22_T-24-S_R-34-E	North Reference:	Grid
Well:	Prometheus State Com #135H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	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	10.00	148.38	5,355.4	-458.5	282.3	-460.5	0.00	0.00	0.00
5,500.0	10.00	148.38	5,453.9	-473.3	291.4	-475.4	0.00	0.00	0.00
5,600.0	10.00	148.38	5,552.4	-488.1	300.5	-490.2	0.00	0.00	0.00
5,700.0	10.00	148.38	5,650.9	-502.8	309.6	-505.1	0.00	0.00	0.00
5,800.0	10.00	148.38	5,749.4	-517.6	318.7	-519.9	0.00	0.00	0.00
5,900.0	10.00	148.38	5,847.9	-532.4	327.8	-534.7	0.00	0.00	0.00
6,000.0	10.00	148.38	5,946.3	-547.2	336.9	-549.6	0.00	0.00	0.00
6,100.0	10.00	148.38	6,044.8	-562.0	346.1	-564.4	0.00	0.00	0.00
6,200.0	10.00	148.38	6,143.3	-576.8	355.2	-579.3	0.00	0.00	0.00
6,300.0	10.00	148.38	6,241.8	-591.6	364.3	-594.1	0.00	0.00	0.00
6,400.0	10.00	148.38	6,340.3	-606.3	373.4	-609.0	0.00	0.00	0.00
6,500.0	10.00	148.38	6,438.7	-621.1	382.5	-623.8	0.00	0.00	0.00
6,600.0	10.00	148.38	6,537.2	-635.9	391.6	-638.7	0.00	0.00	0.00
6,700.0	10.00	148.38	6,635.7	-650.7	400.7	-653.5	0.00	0.00	0.00
6,800.0	10.00	148.38	6,734.2	-665.5	409.8	-668.4	0.00	0.00	0.00
6,900.0	10.00	148.38	6,832.7	-680.3	418.9	-683.2	0.00	0.00	0.00
7,000.0	10.00	148.38	6,931.1	-695.0	428.0	-698.1	0.00	0.00	0.00
7,100.0	10.00	148.38	7,029.6	-709.8	437.1	-712.9	0.00	0.00	0.00
7,200.0	10.00	148.38	7,128.1	-724.6	446.2	-727.8	0.00	0.00	0.00
7,300.0	10.00	148.38	7,226.6	-739.4	455.3	-742.6	0.00	0.00	0.00
7,400.0	10.00	148.38	7,325.1	-754.2	464.4	-757.5	0.00	0.00	0.00
7,500.0	10.00	148.38	7,423.6	-769.0	473.5	-772.3	0.00	0.00	0.00
7,600.0	10.00	148.38	7,522.0	-783.7	482.6	-787.2	0.00	0.00	0.00
7,700.0	10.00	148.38	7,620.5	-798.5	491.7	-802.0	0.00	0.00	0.00
7,800.0	10.00	148.38	7,719.0	-813.3	500.8	-816.9	0.00	0.00	0.00
7,900.0	10.00	148.38	7,817.5	-828.1	509.9	-831.7	0.00	0.00	0.00
8,000.0	10.00	148.38	7,916.0	-842.9	519.0	-846.6	0.00	0.00	0.00
8,100.0	10.00	148.38	8,014.4	-857.7	528.1	-861.4	0.00	0.00	0.00
8,200.0	10.00	148.38	8,112.9	-872.4	537.2	-876.3	0.00	0.00	0.00
8,300.0	10.00	148.38	8,211.4	-887.2	546.3	-891.1	0.00	0.00	0.00
8,400.0	10.00	148.38	8,309.9	-902.0	555.4	-906.0	0.00	0.00	0.00
8,500.0	10.00	148.38	8,408.4	-916.8	564.5	-920.8	0.00	0.00	0.00
8,600.0	10.00	148.38	8,506.8	-931.6	573.6	-935.7	0.00	0.00	0.00
8,700.0	10.00	148.38	8,605.3	-946.4	582.7	-950.5	0.00	0.00	0.00
8,800.0	10.00	148.38	8,703.8	-961.1	591.8	-965.4	0.00	0.00	0.00
8,900.0	10.00	148.38	8,802.3	-975.9	600.9	-980.2	0.00	0.00	0.00
9,000.0	10.00	148.38	8,900.8	-990.7	610.1	-995.1	0.00	0.00	0.00
9,100.0	10.00	148.38	8,999.3	-1,005.5	619.2	-1,009.9	0.00	0.00	0.00
9,200.0	10.00	148.38	9,097.7	-1,020.3	628.3	-1,024.7	0.00	0.00	0.00
9,217.8	10.00	148.38	9,115.2	-1,022.9	629.9	-1,027.4	0.00	0.00	0.00
9,300.0	9.18	148.38	9,196.3	-1,034.6	637.1	-1,039.1	1.00	-1.00	0.00
9,400.0	8.18	148.38	9,295.2	-1,047.4	645.0	-1,052.0	1.00	-1.00	0.00
9,500.0	7.18	148.38	9,394.3	-1,058.8	652.0	-1,063.4	1.00	-1.00	0.00
9,600.0	6.18	148.38	9,493.6	-1,068.7	658.1	-1,073.4	1.00	-1.00	0.00
9,700.0	5.18	148.38	9,593.1	-1,077.1	663.2	-1,081.8	1.00	-1.00	0.00
9,800.0	4.18	148.38	9,692.8	-1,084.0	667.5	-1,088.8	1.00	-1.00	0.00
9,900.0	3.18	148.38	9,792.6	-1,089.5	670.9	-1,094.3	1.00	-1.00	0.00
10,000.0	2.18	148.38	9,892.5	-1,093.5	673.3	-1,098.3	1.00	-1.00	0.00
10,100.0	1.18	148.38	9,992.4	-1,096.0	674.9	-1,100.8	1.00	-1.00	0.00
10,200.0	0.18	148.38	10,092.4	-1,097.0	675.5	-1,101.8	1.00	-1.00	0.00
10,217.6	0.00	0.01	10,110.0	-1,097.0	675.5	-1,101.8	1.00	-1.00	0.00
10,300.0	0.00	0.00	10,192.4	-1,097.0	675.5	-1,101.8	0.00	0.00	0.00
10,400.0	0.00	0.00	10,292.4	-1,097.0	675.5	-1,101.8	0.00	0.00	0.00
10,500.0	0.00	0.00	10,392.4	-1,097.0	675.5	-1,101.8	0.00	0.00	0.00



Intrepid Planning Report



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Company:	Tap Rock Resources, LLC	TVD Reference:	KB @ 3575.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB @ 3575.0usft
Site:	(Prometheus State) Sec-22_T-24-S_R-34-E	North Reference:	Grid
Well:	Prometheus State Com #135H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	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	10,492.4	-1,097.0	675.5	-1,101.8	0.00	0.00	0.00
10,700.0	0.00	0.00	10,592.4	-1,097.0	675.5	-1,101.8	0.00	0.00	0.00
10,800.0	0.00	0.00	10,692.4	-1,097.0	675.5	-1,101.8	0.00	0.00	0.00
10,900.0	0.00	0.00	10,792.4	-1,097.0	675.5	-1,101.8	0.00	0.00	0.00
11,000.0	0.00	0.00	10,892.4	-1,097.0	675.5	-1,101.8	0.00	0.00	0.00
11,100.0	0.00	0.00	10,992.4	-1,097.0	675.5	-1,101.8	0.00	0.00	0.00
11,200.0	0.00	0.00	11,092.4	-1,097.0	675.5	-1,101.8	0.00	0.00	0.00
11,300.0	0.00	0.00	11,192.4	-1,097.0	675.5	-1,101.8	0.00	0.00	0.00
11,400.0	0.00	0.00	11,292.4	-1,097.0	675.5	-1,101.8	0.00	0.00	0.00
11,500.0	0.00	0.00	11,392.4	-1,097.0	675.5	-1,101.8	0.00	0.00	0.00
11,600.0	0.00	0.00	11,492.4	-1,097.0	675.5	-1,101.8	0.00	0.00	0.00
11,700.0	0.00	0.00	11,592.4	-1,097.0	675.5	-1,101.8	0.00	0.00	0.00
11,800.0	0.00	0.00	11,692.4	-1,097.0	675.5	-1,101.8	0.00	0.00	0.00
11,900.0	0.00	0.00	11,792.4	-1,097.0	675.5	-1,101.8	0.00	0.00	0.00
12,000.0	0.00	0.00	11,892.4	-1,097.0	675.5	-1,101.8	0.00	0.00	0.00
12,057.6	0.00	0.01	11,950.0	-1,097.0	675.5	-1,101.8	0.00	0.00	0.00
12,100.0	4.24	359.59	11,992.4	-1,095.4	675.5	-1,100.2	10.00	10.00	0.00
12,150.0	9.24	359.59	12,042.0	-1,089.6	675.4	-1,094.4	10.00	10.00	0.00
12,200.0	14.24	359.59	12,090.9	-1,079.4	675.4	-1,084.2	10.00	10.00	0.00
12,250.0	19.24	359.59	12,138.8	-1,065.0	675.3	-1,069.8	10.00	10.00	0.00
12,300.0	24.24	359.59	12,185.2	-1,046.5	675.1	-1,051.3	10.00	10.00	0.00
12,350.0	29.24	359.59	12,229.9	-1,024.0	675.0	-1,028.8	10.00	10.00	0.00
12,400.0	34.24	359.59	12,272.4	-997.7	674.8	-1,002.5	10.00	10.00	0.00
12,450.0	39.24	359.59	12,312.4	-967.8	674.6	-972.6	10.00	10.00	0.00
12,500.0	44.24	359.59	12,349.7	-934.5	674.3	-939.3	10.00	10.00	0.00
12,550.0	49.24	359.59	12,384.0	-898.1	674.1	-902.9	10.00	10.00	0.00
12,600.0	54.24	359.59	12,414.9	-858.9	673.8	-863.7	10.00	10.00	0.00
12,650.0	59.24	359.59	12,442.4	-817.1	673.5	-821.9	10.00	10.00	0.00
12,700.0	64.24	359.59	12,466.0	-773.1	673.2	-777.9	10.00	10.00	0.00
12,750.0	69.24	359.59	12,485.8	-727.1	672.9	-731.9	10.00	10.00	0.00
12,800.0	74.24	359.59	12,501.4	-679.7	672.5	-684.5	10.00	10.00	0.00
12,850.0	79.24	359.59	12,512.9	-631.0	672.2	-635.8	10.00	10.00	0.00
12,900.0	84.24	359.59	12,520.1	-581.6	671.8	-586.4	10.00	10.00	0.00
12,950.0	89.24	359.59	12,522.9	-531.7	671.5	-536.4	10.00	10.00	0.00
12,962.6	90.50	359.59	12,522.9	-519.0	671.4	-523.8	10.00	10.00	0.00
13,000.0	90.50	359.59	12,522.6	-481.7	671.1	-486.5	0.00	0.00	0.00
13,100.0	90.50	359.59	12,521.7	-381.7	670.4	-386.5	0.00	0.00	0.00
13,200.0	90.50	359.59	12,520.9	-281.7	669.7	-286.5	0.00	0.00	0.00
13,300.0	90.50	359.59	12,520.0	-181.7	669.0	-186.5	0.00	0.00	0.00
13,400.0	90.50	359.59	12,519.1	-81.7	668.3	-86.5	0.00	0.00	0.00
13,500.0	90.50	359.59	12,518.2	18.3	667.6	13.5	0.00	0.00	0.00
13,600.0	90.50	359.59	12,517.4	118.3	666.9	113.5	0.00	0.00	0.00
13,700.0	90.50	359.59	12,516.5	218.3	666.1	213.5	0.00	0.00	0.00
13,800.0	90.50	359.59	12,515.6	318.3	665.4	313.5	0.00	0.00	0.00
13,900.0	90.50	359.59	12,514.7	418.3	664.7	413.5	0.00	0.00	0.00
14,000.0	90.50	359.59	12,513.8	518.3	664.0	513.5	0.00	0.00	0.00
14,100.0	90.50	359.59	12,513.0	618.3	663.3	613.5	0.00	0.00	0.00
14,200.0	90.50	359.59	12,512.1	718.3	662.6	713.5	0.00	0.00	0.00
14,300.0	90.50	359.59	12,511.2	818.3	661.9	813.5	0.00	0.00	0.00
14,400.0	90.50	359.59	12,510.3	918.3	661.2	913.5	0.00	0.00	0.00
14,500.0	90.50	359.59	12,509.5	1,018.2	660.5	1,013.5	0.00	0.00	0.00
14,600.0	90.50	359.59	12,508.6	1,118.2	659.7	1,113.5	0.00	0.00	0.00
14,700.0	90.50	359.59	12,507.7	1,218.2	659.0	1,213.5	0.00	0.00	0.00
14,800.0	90.50	359.59	12,506.8	1,318.2	658.3	1,313.5	0.00	0.00	0.00



Intrepid Planning Report



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Company:	Tap Rock Resources, LLC	TVD Reference:	KB @ 3575.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB @ 3575.0usft
Site:	(Prometheus State) Sec-22_T-24-S_R-34-E	North Reference:	Grid
Well:	Prometheus State Com #135H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	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	90.50	359.59	12,506.0	1,418.2	657.6	1,413.5	0.00	0.00	0.00
15,000.0	90.50	359.59	12,505.1	1,518.2	656.9	1,513.5	0.00	0.00	0.00
15,100.0	90.50	359.59	12,504.2	1,618.2	656.2	1,613.5	0.00	0.00	0.00
15,200.0	90.50	359.59	12,503.3	1,718.2	655.5	1,713.5	0.00	0.00	0.00
15,300.0	90.50	359.59	12,502.5	1,818.2	654.8	1,813.5	0.00	0.00	0.00
15,400.0	90.50	359.59	12,501.6	1,918.2	654.1	1,913.5	0.00	0.00	0.00
15,500.0	90.50	359.59	12,500.7	2,018.2	653.3	2,013.5	0.00	0.00	0.00
15,600.0	90.50	359.59	12,499.8	2,118.2	652.6	2,113.4	0.00	0.00	0.00
15,700.0	90.50	359.59	12,498.9	2,218.2	651.9	2,213.4	0.00	0.00	0.00
15,800.0	90.50	359.59	12,498.1	2,318.2	651.2	2,313.4	0.00	0.00	0.00
15,900.0	90.50	359.59	12,497.2	2,418.2	650.5	2,413.4	0.00	0.00	0.00
16,000.0	90.50	359.59	12,496.3	2,518.1	649.8	2,513.4	0.00	0.00	0.00
16,100.0	90.50	359.59	12,495.4	2,618.1	649.1	2,613.4	0.00	0.00	0.00
16,200.0	90.50	359.59	12,494.6	2,718.1	648.4	2,713.4	0.00	0.00	0.00
16,300.0	90.50	359.59	12,493.7	2,818.1	647.7	2,813.4	0.00	0.00	0.00
16,400.0	90.50	359.59	12,492.8	2,918.1	646.9	2,913.4	0.00	0.00	0.00
16,500.0	90.50	359.59	12,491.9	3,018.1	646.2	3,013.4	0.00	0.00	0.00
16,600.0	90.50	359.59	12,491.1	3,118.1	645.5	3,113.4	0.00	0.00	0.00
16,700.0	90.50	359.59	12,490.2	3,218.1	644.8	3,213.4	0.00	0.00	0.00
16,800.0	90.50	359.59	12,489.3	3,318.1	644.1	3,313.4	0.00	0.00	0.00
16,900.0	90.50	359.59	12,488.4	3,418.1	643.4	3,413.4	0.00	0.00	0.00
17,000.0	90.50	359.59	12,487.6	3,518.1	642.7	3,513.4	0.00	0.00	0.00
17,100.0	90.50	359.59	12,486.7	3,618.1	642.0	3,613.4	0.00	0.00	0.00
17,200.0	90.50	359.59	12,485.8	3,718.1	641.3	3,713.4	0.00	0.00	0.00
17,300.0	90.50	359.59	12,484.9	3,818.1	640.5	3,813.4	0.00	0.00	0.00
17,400.0	90.50	359.59	12,484.0	3,918.1	639.8	3,913.4	0.00	0.00	0.00
17,500.0	90.50	359.59	12,483.2	4,018.1	639.1	4,013.4	0.00	0.00	0.00
17,600.0	90.50	359.59	12,482.3	4,118.0	638.4	4,113.4	0.00	0.00	0.00
17,700.0	90.50	359.59	12,481.4	4,218.0	637.7	4,213.4	0.00	0.00	0.00
17,800.0	90.50	359.59	12,480.5	4,318.0	637.0	4,313.4	0.00	0.00	0.00
17,900.0	90.50	359.59	12,479.7	4,418.0	636.3	4,413.4	0.00	0.00	0.00
18,000.0	90.50	359.59	12,478.8	4,518.0	635.6	4,513.4	0.00	0.00	0.00
18,100.0	90.50	359.59	12,477.9	4,618.0	634.9	4,613.4	0.00	0.00	0.00
18,200.0	90.50	359.59	12,477.0	4,718.0	634.1	4,713.3	0.00	0.00	0.00
18,300.0	90.50	359.59	12,476.2	4,818.0	633.4	4,813.3	0.00	0.00	0.00
18,400.0	90.50	359.59	12,475.3	4,918.0	632.7	4,913.3	0.00	0.00	0.00
18,500.0	90.50	359.59	12,474.4	5,018.0	632.0	5,013.3	0.00	0.00	0.00
18,600.0	90.50	359.59	12,473.5	5,118.0	631.3	5,113.3	0.00	0.00	0.00
18,700.0	90.50	359.59	12,472.7	5,218.0	630.6	5,213.3	0.00	0.00	0.00
18,800.0	90.50	359.59	12,471.8	5,318.0	629.9	5,313.3	0.00	0.00	0.00
18,900.0	90.50	359.59	12,470.9	5,418.0	629.2	5,413.3	0.00	0.00	0.00
19,000.0	90.50	359.59	12,470.0	5,518.0	628.5	5,513.3	0.00	0.00	0.00
19,100.0	90.50	359.59	12,469.2	5,618.0	627.7	5,613.3	0.00	0.00	0.00
19,200.0	90.50	359.59	12,468.3	5,717.9	627.0	5,713.3	0.00	0.00	0.00
19,300.0	90.50	359.59	12,467.4	5,817.9	626.3	5,813.3	0.00	0.00	0.00
19,400.0	90.50	359.59	12,466.5	5,917.9	625.6	5,913.3	0.00	0.00	0.00
19,500.0	90.50	359.59	12,465.6	6,017.9	624.9	6,013.3	0.00	0.00	0.00
19,600.0	90.50	359.59	12,464.8	6,117.9	624.2	6,113.3	0.00	0.00	0.00
19,700.0	90.50	359.59	12,463.9	6,217.9	623.5	6,213.3	0.00	0.00	0.00
19,800.0	90.50	359.59	12,463.0	6,317.9	622.8	6,313.3	0.00	0.00	0.00
19,900.0	90.50	359.59	12,462.1	6,417.9	622.1	6,413.3	0.00	0.00	0.00
20,000.0	90.50	359.59	12,461.3	6,517.9	621.3	6,513.3	0.00	0.00	0.00
20,100.0	90.50	359.59	12,460.4	6,617.9	620.6	6,613.3	0.00	0.00	0.00
20,200.0	90.50	359.59	12,459.5	6,717.9	619.9	6,713.3	0.00	0.00	0.00



Intrepid Planning Report



Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well Prometheus State Com #135H
Company:	Tap Rock Resources, LLC	TVD Reference:	KB @ 3575.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB @ 3575.0usft
Site:	(Prometheus State) Sec-22_T-24-S_R-34-E	North Reference:	Grid
Well:	Prometheus State Com #135H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	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	90.50	359.59	12,458.6	6,817.9	619.2	6,813.3	0.00	0.00	0.00	
20,400.0	90.50	359.59	12,457.8	6,917.9	618.5	6,913.3	0.00	0.00	0.00	
20,500.0	90.50	359.59	12,456.9	7,017.9	617.8	7,013.3	0.00	0.00	0.00	
20,600.0	90.50	359.59	12,456.0	7,117.9	617.1	7,113.3	0.00	0.00	0.00	
20,700.0	90.50	359.59	12,455.1	7,217.8	616.4	7,213.3	0.00	0.00	0.00	
20,800.0	90.50	359.59	12,454.3	7,317.8	615.7	7,313.2	0.00	0.00	0.00	
20,900.0	90.50	359.59	12,453.4	7,417.8	614.9	7,413.2	0.00	0.00	0.00	
21,000.0	90.50	359.59	12,452.5	7,517.8	614.2	7,513.2	0.00	0.00	0.00	
21,100.0	90.50	359.59	12,451.6	7,617.8	613.5	7,613.2	0.00	0.00	0.00	
21,200.0	90.50	359.59	12,450.7	7,717.8	612.8	7,713.2	0.00	0.00	0.00	
21,300.0	90.50	359.59	12,449.9	7,817.8	612.1	7,813.2	0.00	0.00	0.00	
21,400.0	90.50	359.59	12,449.0	7,917.8	611.4	7,913.2	0.00	0.00	0.00	
21,500.0	90.50	359.59	12,448.1	8,017.8	610.7	8,013.2	0.00	0.00	0.00	
21,600.0	90.50	359.59	12,447.2	8,117.8	610.0	8,113.2	0.00	0.00	0.00	
21,700.0	90.50	359.59	12,446.4	8,217.8	609.3	8,213.2	0.00	0.00	0.00	
21,800.0	90.50	359.59	12,445.5	8,317.8	608.5	8,313.2	0.00	0.00	0.00	
21,900.0	90.50	359.59	12,444.6	8,417.8	607.8	8,413.2	0.00	0.00	0.00	
22,000.0	90.50	359.59	12,443.7	8,517.8	607.1	8,513.2	0.00	0.00	0.00	
22,100.0	90.50	359.59	12,442.9	8,617.8	606.4	8,613.2	0.00	0.00	0.00	
22,200.0	90.50	359.59	12,442.0	8,717.8	605.7	8,713.2	0.00	0.00	0.00	
22,300.0	90.50	359.59	12,441.1	8,817.7	605.0	8,813.2	0.00	0.00	0.00	
22,400.0	90.50	359.59	12,440.2	8,917.7	604.3	8,913.2	0.00	0.00	0.00	
22,500.0	90.50	359.59	12,439.4	9,017.7	603.6	9,013.2	0.00	0.00	0.00	
22,600.0	90.50	359.59	12,438.5	9,117.7	602.9	9,113.2	0.00	0.00	0.00	
22,700.0	90.50	359.59	12,437.6	9,217.7	602.1	9,213.2	0.00	0.00	0.00	
22,800.0	90.50	359.59	12,436.7	9,317.7	601.4	9,313.2	0.00	0.00	0.00	
22,861.3	90.50	359.59	12,436.2	9,379.0	601.0	9,374.5	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	
- hit/miss target										
- Shape										
PBHL (Prometheus Sta - plan hits target center - Rectangle (sides W100.0 H10,426.0 D30.0)	-0.50	359.59	12,436.2	9,379.0	601.0	446,361.00	778,575.00	32° 13' 29.260 N	103° 33' 58.154 W	
LTP (Prometheus Sta - plan misses target center by 0.8usft at 22791.3usft MD (12436.8 TVD, 9309.0 N, 601.5 E) - Point	0.00	0.00	12,436.2	9,309.0	602.0	446,291.00	778,576.00	32° 13' 28.567 N	103° 33' 58.148 W	
FTP (Prometheus Sta - plan misses target center by 199.1usft at 12533.4usft MD (12373.0 TVD, -910.5 N, 674.2 E) - Point	0.00	0.00	12,518.0	-1,047.0	675.0	435,935.00	778,649.00	32° 11' 46.088 N	103° 33' 58.159 W	



Intrepid Planning Report



Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well Prometheus State Com #135H
Company:	Tap Rock Resources, LLC	TVD Reference:	KB @ 3575.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB @ 3575.0usft
Site:	(Prometheus State) Sec-22_T-24-S_R-34-E	North Reference:	Grid
Well:	Prometheus State Com #135H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	Plan #2		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,233.0	1,233.0	Rustler Anhydrite			
1,689.0	1,689.0	Top Salt			
5,014.7	4,976.0	Base Salt			
5,266.5	5,224.0	Delaware Mountain Gp			
5,276.7	5,234.0	Lamar			
5,295.0	5,252.0	Bell Canyon			
5,316.3	5,273.0	Ramsey Sand			
6,303.3	6,245.0	Cherry Canyon			
7,741.1	7,661.0	Brushy Canyon			
9,276.4	9,173.0	Bone Spring Lime			
9,374.6	9,270.0	Upper Avalon			
9,551.1	9,445.0	Middle Avalon			
9,917.5	9,810.0	Lower Avalon			
10,257.6	10,150.0	1st Bone Spring Sand			
10,552.6	10,445.0	2nd Bone Spring Carb			
10,993.6	10,886.0	2nd Bone Spring Sand			
11,473.6	11,366.0	3rd Bone Spring Carb			
12,057.6	11,950.0	3rd Bone Spring Sand			
12,364.0	12,242.0	3rd BS W Sand			
12,434.1	12,300.0	Wolfcamp A X Sand			
12,659.2	12,447.0	Wolfcamp A Y Sand			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,800.0	1,800.0	0.0	0.0	NUDGE - Build 1.00
2,799.8	2,794.8	-74.1	45.6	HOLD - 6418.0 at 2799.8 MD
9,217.8	9,115.2	-1,022.9	629.9	DROP - -1.00
10,217.6	10,110.0	-1,097.0	675.5	HOLD - 1840.0 at 10217.6 MD
12,057.6	11,950.0	-1,097.0	675.5	KOP - DLS 10.00 TFO 359.59
12,962.6	12,522.9	-519.0	671.4	EOC - 9898.7 hold at 12962.6 MD
22,861.3	12,436.2	9,379.0	601.0	TD at 22861.3

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

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

CONDITIONS

Action 55034

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 55034
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

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