

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

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

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

WELL API NO. 30-025-48776
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 214H
9. OGRID Number 372043
10. Pool name or Wildcat WC-025 G-08 S243310P;UPPER WOLFCAMP
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3551

SUNDRY NOTICES AND REPORTS ON WELLS (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 ☒ Gas Well ☐ Other ☐	
2. Name of Operator TAP ROCK OPERATING, LLC	
3. Address of Operator 523 PARK POINT DR, SUITE 200, GOLDEN, CO 80401	
4. Well Location Unit Letter <u>O</u> : <u>823</u> feet from the <u>South</u> line and <u>1566</u> feet from the <u>East</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.) 3551	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☒	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
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 214H. 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, 945 FEL, Section 15, Township 24S, Range 33E

Proposed Bottom Hole Location: 30 FNL, 792 FEL, 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
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District IV
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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

¹ API Number 30-025-48776	² Pool Code 98135	³ Pool Name WC-025 G-08 S243310P; UPPER WOLFCAMP
⁴ Property Code 330700	⁵ Property Name PROMETHEUS STATE COM	
⁷ OGRID No. #372043	⁸ Operator Name TAP ROCK OPERATING, LLC.	⁶ Well Number 214H ⁹ Elevation 3552'

¹⁰Surface Location

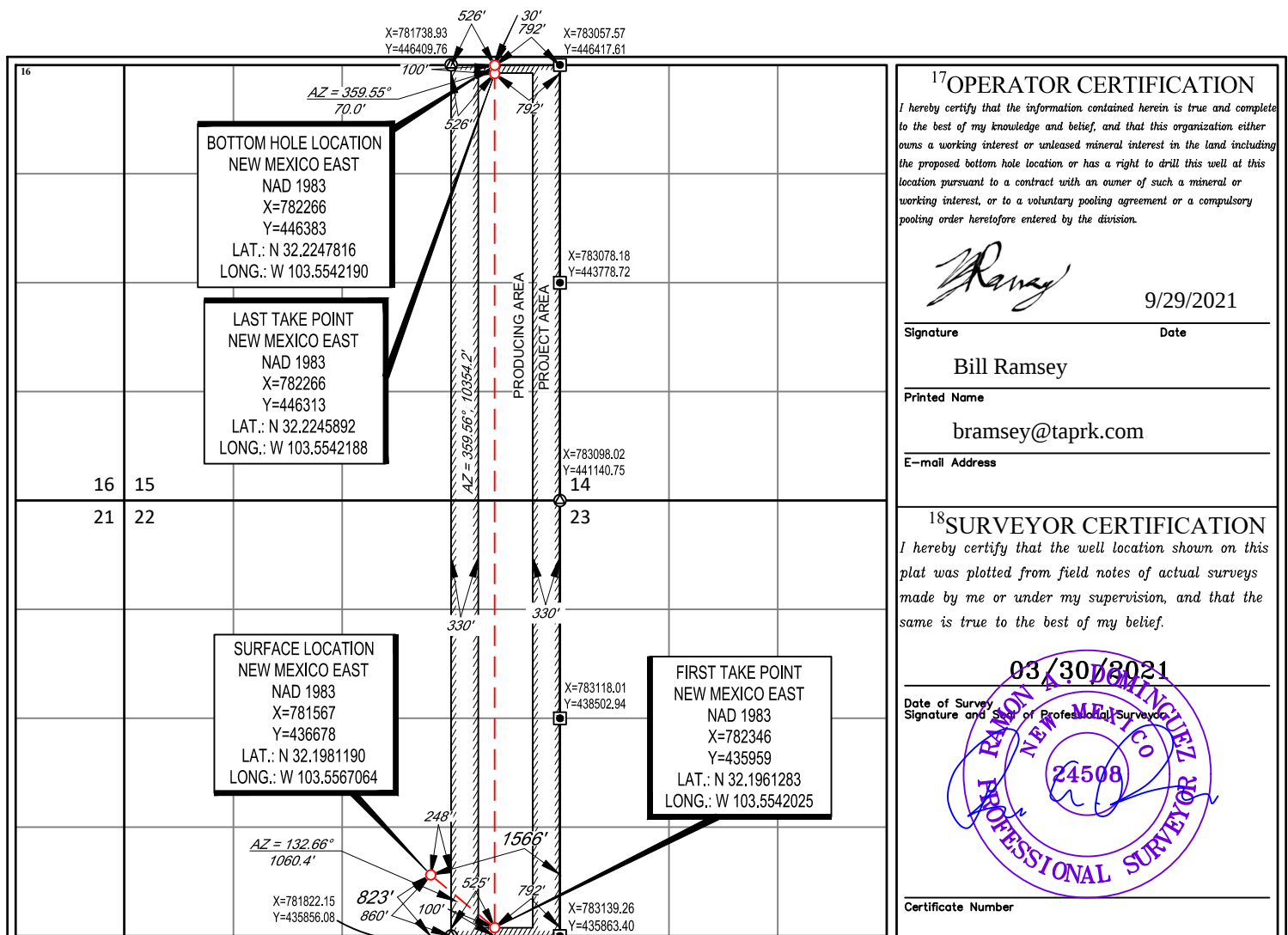
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	22	24-S	33-E	-	823'	SOUTH	1566'	EAST	LEA

¹¹Bottom Hole Location If Different From Surface

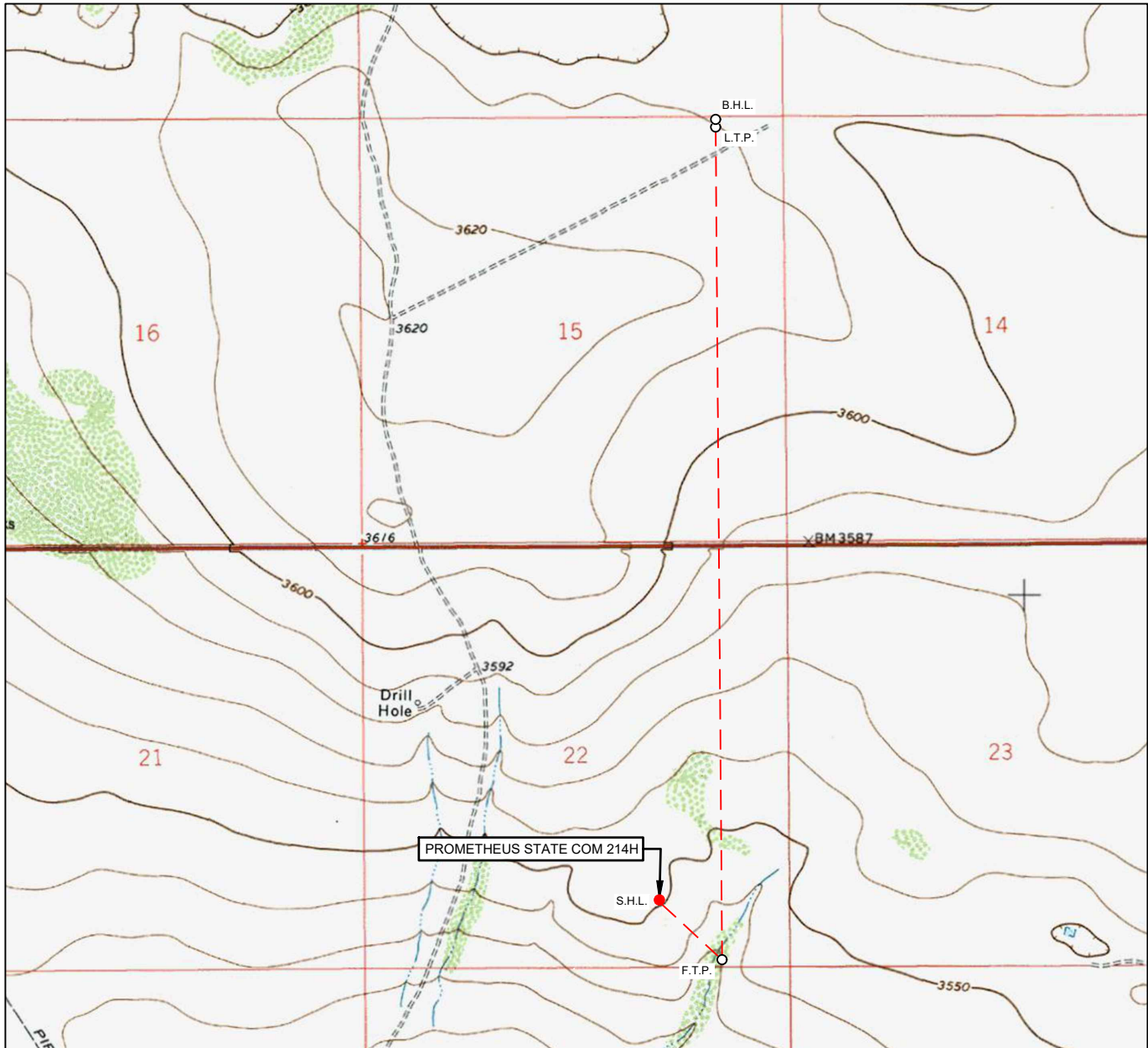
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	15	24-S	33-E	-	30'	NORTH	792'	EAST	LEA

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.



LOCATION & ELEVATION VERIFICATION MAP

LEASE NAME & WELL NO.: PROMETHEUS STATE COM 214H

SECTION 22 TWP 24-S RGE 33-E SURVEY N.M.P.M.
 COUNTY LEA STATE NM ELEVATION 3552'
 DESCRIPTION 823' FSL & 1566' FEL

LATITUDE N 32.1981190 LONGITUDE W 103.5567064

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

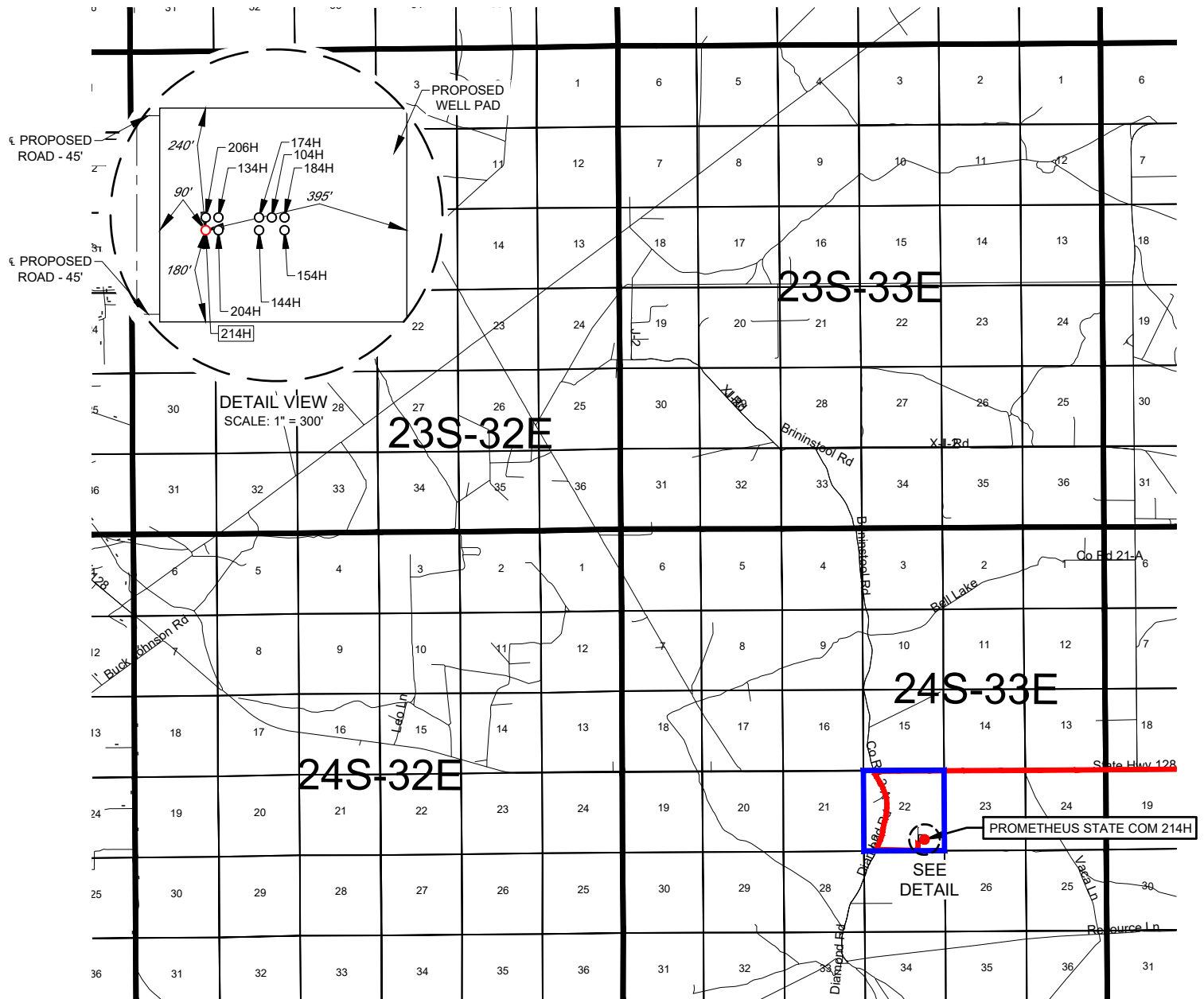
THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY TAP ROCK OPERATING, LLC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF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

LEASE NAME & WELL NO.: PROMETHEUS STATE COM 214HSECTION 22 TWP 24-S RGE 33-E SURVEY N.M.P.M.COUNTY LEA STATE NMDESCRIPTION 823' FSL & 1566' FEL

DISTANCE & DIRECTION

FROM INT. OF NM-128, & DELAWARE BASIN RD., GO WEST ON NM-128 ± 3.3 MILES, THENCE SOUTH (LEFT) ON DIAMOND RD./J-2 ± 1.1 MILES, THENCE EAST (LEFT) ON A PROPOSED RD. ± 2796 FEET, THENCE NORTH (LEFT) ON A PROPOSED RD. ± 628 FEET, THENCE EAST (RIGHT) ON A PROPOSED RD. ± 45 FEET TO A POINT ± 188 FEET SOUTHWEST 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'

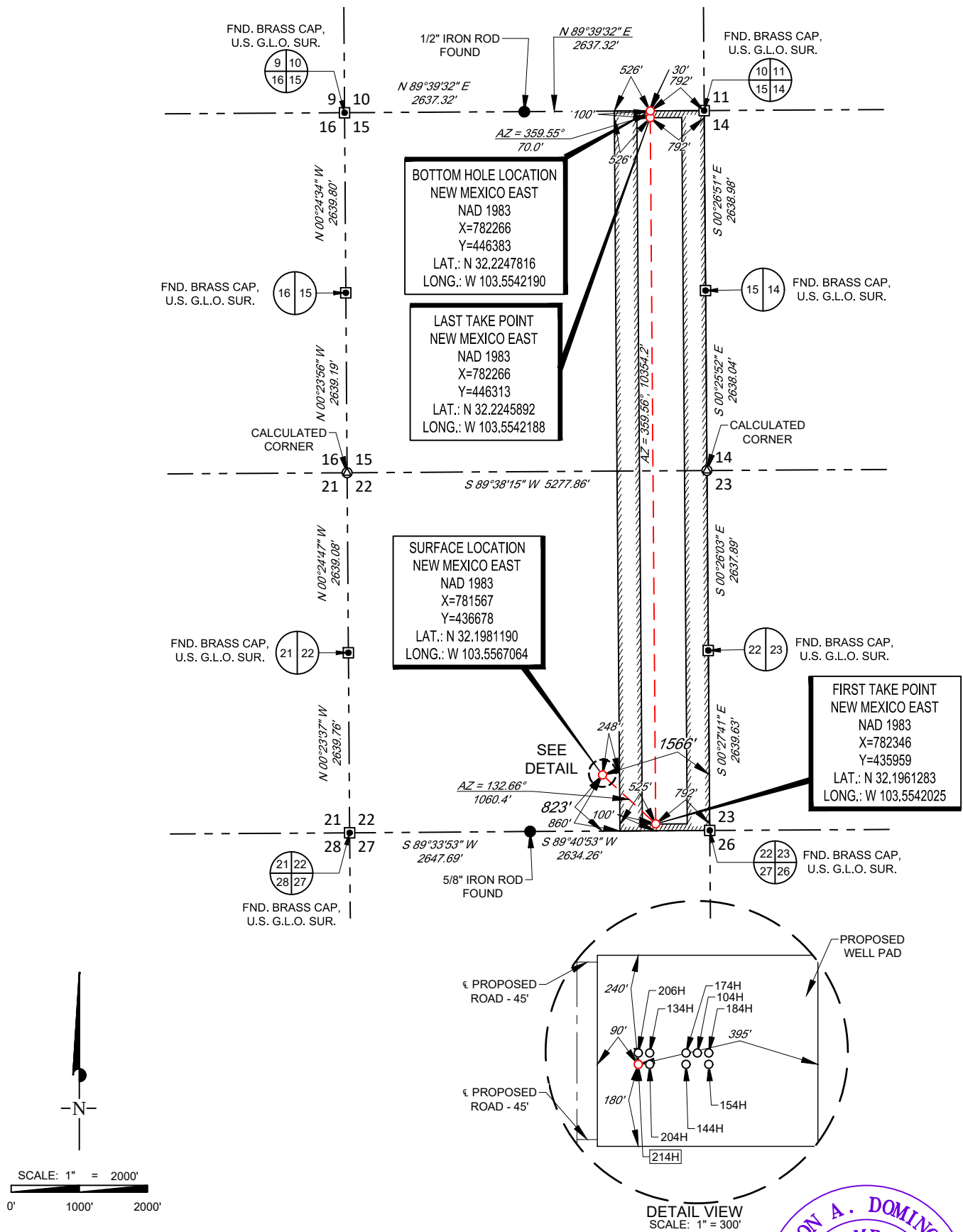


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TAP
ROCK
EXHIBIT 2A

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

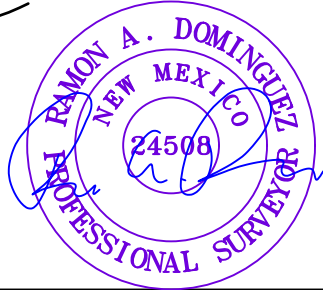


LEASE NAME & WELL NO.: _____ PROMETHEUS STATE COM 214H

SECTION 22 TWP 24-S RGE 33-E SURVEY N.M.P.M.
COUNTY LEA STATE NM
DESCRIPTION 823' FSL & 1566' FEL

DISTANCE & DIRECTION
FROM INT. OF NM-128. & DELAWARE BASIN RD.. GO WEST ON NM-128 ±3.3
MILES. THENCE SOUTH (LEFT) ON DIAMOND RD./J-2 ±1.1 MILES. THENCE
EAST (LEFT) ON A PROPOSED RD. ±2796 FEET, THENCE NORTH (LEFT) ON
A PROPOSED RD. ±628 FEET, THENCE EAST (RIGHT) ON A PROPOSED RD.
±45 FEET TO A POINT ±188 FEET SOUTHWEST 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 10, 2021

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
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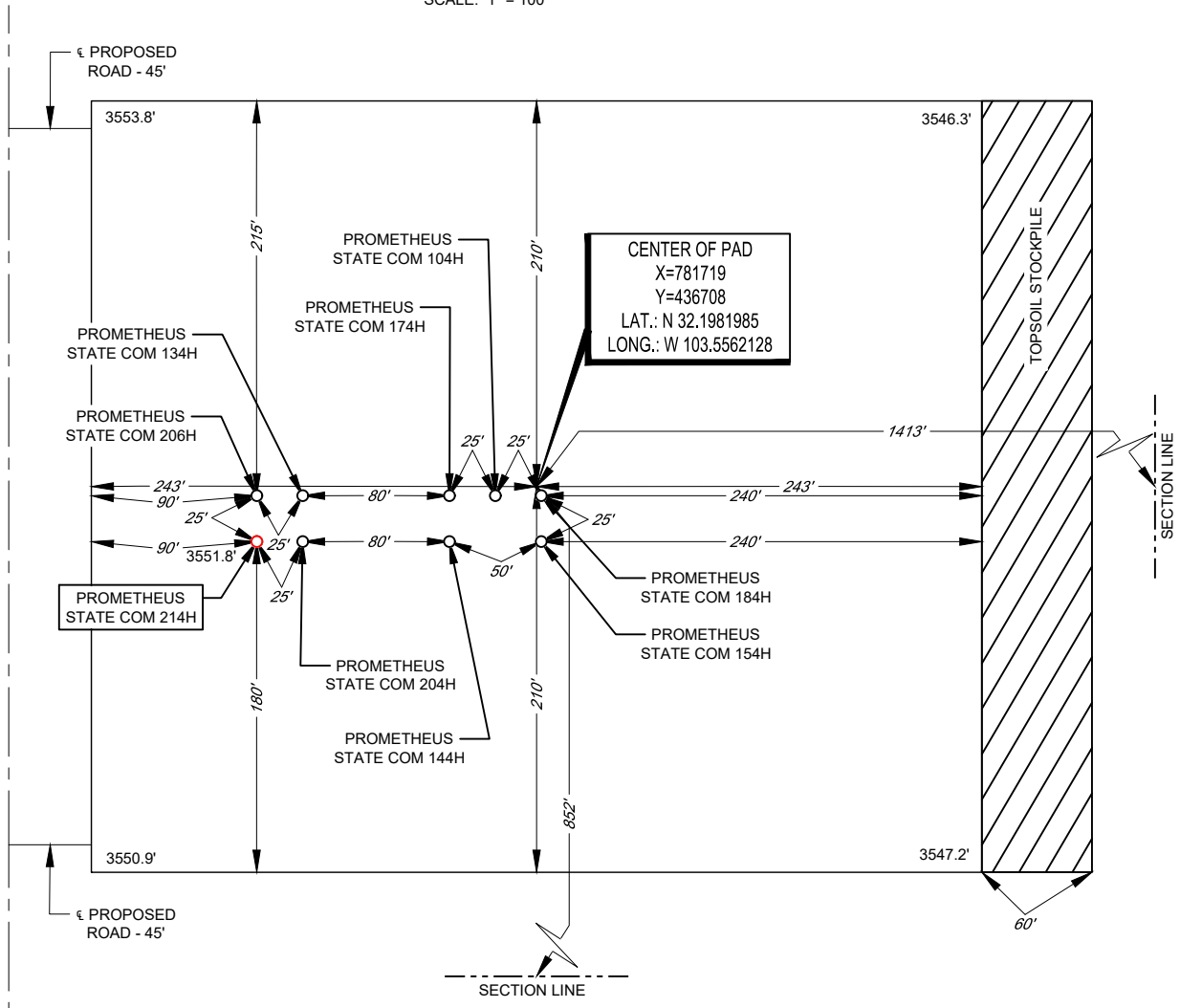


LEGEND

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

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

DETAIL VIEW
 SCALE: 1" = 100'

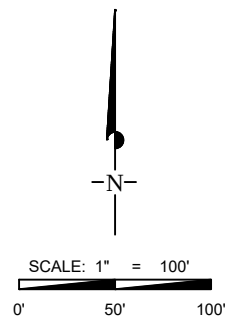


LEASE NAME & WELL NO.: PROMETHEUS STATE COM 214H
 214H LATITUDE N 32.1981190 214H LONGITUDE W 103.5567064

CENTER OF PAD IS 852' FSL & 1413' 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

**Lea County, NM (NAD 83 NME)
(Prometheus State) Sec-22_T-24-S_R-34-E
Prometheus State Com #214H**

OWB

Plan: Plan #2

Standard Planning Report

05 October, 2021





Intrepid Planning Report



Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well Prometheus State Com #214H
Company:	Tap Rock Resources, LLC	TVD Reference:	KB @ 3578.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB @ 3578.0usft
Site:	(Prometheus State) Sec-22_T-24-S_R-34-E	North Reference:	Grid
Well:	Prometheus State Com #214H	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	(Prometheus 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 #214H		
Well Position	+N/-S	-304.0 usft	Northing: 436,678.00 usft
	+E/-W	3,488.0 usft	Easting: 781,567.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	Latitude: 32° 11' 53.232 N
			Longitude: 103° 33' 24.139 W
			Ground Level: 3,552.0 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	04/19/21	6.53	59.99	47,528.90875777

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	359.56

Plan Survey Tool Program	Date	10/05/21		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	22,835.3	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	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,399.7	9.00	134.63	2,396.0	-49.5	50.2	1.00	1.00	0.00	134.63	
8,497.7	9.00	134.63	8,419.0	-719.5	728.8	0.00	0.00	0.00	0.00	
9,397.4	0.00	0.00	9,315.0	-769.0	779.0	1.00	-1.00	0.00	180.00	
12,033.4	0.00	0.00	11,951.0	-769.0	779.0	0.00	0.00	0.00	0.00	
12,939.4	90.60	359.56	12,523.9	-190.1	774.6	10.00	10.00	-0.05	359.56	
22,835.3	90.60	359.56	12,420.4	9,705.0	699.0	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 #214H
Company:	Tap Rock Resources, LLC	TVD Reference:	KB @ 3578.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB @ 3578.0usft
Site:	(Prometheus State) Sec-22_T-24-S_R-34-E	North Reference:	Grid
Well:	Prometheus State Com #214H	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	1.00	134.63	1,600.0	-0.6	0.6	-0.6	1.00	1.00	0.00
1,700.0	2.00	134.63	1,700.0	-2.5	2.5	-2.5	1.00	1.00	0.00
1,800.0	3.00	134.63	1,799.9	-5.5	5.6	-5.6	1.00	1.00	0.00
1,900.0	4.00	134.63	1,899.7	-9.8	9.9	-9.9	1.00	1.00	0.00
2,000.0	5.00	134.63	1,999.4	-15.3	15.5	-15.4	1.00	1.00	0.00
2,100.0	6.00	134.63	2,098.9	-22.1	22.3	-22.2	1.00	1.00	0.00
2,200.0	7.00	134.63	2,198.3	-30.0	30.4	-30.2	1.00	1.00	0.00
2,300.0	8.00	134.63	2,297.4	-39.2	39.7	-39.5	1.00	1.00	0.00
2,399.7	9.00	134.63	2,396.0	-49.5	50.2	-49.9	1.00	1.00	0.00
2,500.0	9.00	134.63	2,495.1	-60.5	61.3	-61.0	0.00	0.00	0.00
2,600.0	9.00	134.63	2,593.8	-71.5	72.5	-72.1	0.00	0.00	0.00
2,700.0	9.00	134.63	2,692.6	-82.5	83.6	-83.2	0.00	0.00	0.00
2,800.0	9.00	134.63	2,791.4	-93.5	94.7	-94.2	0.00	0.00	0.00
2,900.0	9.00	134.63	2,890.2	-104.5	105.8	-105.3	0.00	0.00	0.00
3,000.0	9.00	134.63	2,988.9	-115.5	117.0	-116.4	0.00	0.00	0.00
3,100.0	9.00	134.63	3,087.7	-126.5	128.1	-127.4	0.00	0.00	0.00
3,200.0	9.00	134.63	3,186.5	-137.4	139.2	-138.5	0.00	0.00	0.00
3,300.0	9.00	134.63	3,285.2	-148.4	150.4	-149.6	0.00	0.00	0.00
3,400.0	9.00	134.63	3,384.0	-159.4	161.5	-160.7	0.00	0.00	0.00
3,500.0	9.00	134.63	3,482.8	-170.4	172.6	-171.7	0.00	0.00	0.00
3,600.0	9.00	134.63	3,581.5	-181.4	183.8	-182.8	0.00	0.00	0.00
3,700.0	9.00	134.63	3,680.3	-192.4	194.9	-193.9	0.00	0.00	0.00
3,800.0	9.00	134.63	3,779.1	-203.4	206.0	-204.9	0.00	0.00	0.00
3,900.0	9.00	134.63	3,877.8	-214.4	217.1	-216.0	0.00	0.00	0.00
4,000.0	9.00	134.63	3,976.6	-225.3	228.3	-227.1	0.00	0.00	0.00
4,100.0	9.00	134.63	4,075.4	-236.3	239.4	-238.2	0.00	0.00	0.00
4,200.0	9.00	134.63	4,174.2	-247.3	250.5	-249.2	0.00	0.00	0.00
4,300.0	9.00	134.63	4,272.9	-258.3	261.7	-260.3	0.00	0.00	0.00
4,400.0	9.00	134.63	4,371.7	-269.3	272.8	-271.4	0.00	0.00	0.00
4,500.0	9.00	134.63	4,470.5	-280.3	283.9	-282.4	0.00	0.00	0.00
4,600.0	9.00	134.63	4,569.2	-291.3	295.0	-293.5	0.00	0.00	0.00
4,700.0	9.00	134.63	4,668.0	-302.2	306.2	-304.6	0.00	0.00	0.00
4,800.0	9.00	134.63	4,766.8	-313.2	317.3	-315.7	0.00	0.00	0.00
4,900.0	9.00	134.63	4,865.5	-324.2	328.4	-326.7	0.00	0.00	0.00
5,000.0	9.00	134.63	4,964.3	-335.2	339.6	-337.8	0.00	0.00	0.00
5,100.0	9.00	134.63	5,063.1	-346.2	350.7	-348.9	0.00	0.00	0.00
5,200.0	9.00	134.63	5,161.9	-357.2	361.8	-359.9	0.00	0.00	0.00
5,300.0	9.00	134.63	5,260.6	-368.2	372.9	-371.0	0.00	0.00	0.00



Intrepid Planning Report



Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well Prometheus State Com #214H
Company:	Tap Rock Resources, LLC	TVD Reference:	KB @ 3578.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB @ 3578.0usft
Site:	(Prometheus State) Sec-22_T-24-S_R-34-E	North Reference:	Grid
Well:	Prometheus State Com #214H	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	9.00	134.63	5,359.4	-379.1	384.1	-382.1	0.00	0.00	0.00
5,500.0	9.00	134.63	5,458.2	-390.1	395.2	-393.2	0.00	0.00	0.00
5,600.0	9.00	134.63	5,556.9	-401.1	406.3	-404.2	0.00	0.00	0.00
5,700.0	9.00	134.63	5,655.7	-412.1	417.5	-415.3	0.00	0.00	0.00
5,800.0	9.00	134.63	5,754.5	-423.1	428.6	-426.4	0.00	0.00	0.00
5,900.0	9.00	134.63	5,853.2	-434.1	439.7	-437.4	0.00	0.00	0.00
6,000.0	9.00	134.63	5,952.0	-445.1	450.9	-448.5	0.00	0.00	0.00
6,100.0	9.00	134.63	6,050.8	-456.1	462.0	-459.6	0.00	0.00	0.00
6,200.0	9.00	134.63	6,149.5	-467.0	473.1	-470.7	0.00	0.00	0.00
6,300.0	9.00	134.63	6,248.3	-478.0	484.2	-481.7	0.00	0.00	0.00
6,400.0	9.00	134.63	6,347.1	-489.0	495.4	-492.8	0.00	0.00	0.00
6,500.0	9.00	134.63	6,445.9	-500.0	506.5	-503.9	0.00	0.00	0.00
6,600.0	9.00	134.63	6,544.6	-511.0	517.6	-514.9	0.00	0.00	0.00
6,700.0	9.00	134.63	6,643.4	-522.0	528.8	-526.0	0.00	0.00	0.00
6,800.0	9.00	134.63	6,742.2	-533.0	539.9	-537.1	0.00	0.00	0.00
6,900.0	9.00	134.63	6,840.9	-543.9	551.0	-548.2	0.00	0.00	0.00
7,000.0	9.00	134.63	6,939.7	-554.9	562.1	-559.2	0.00	0.00	0.00
7,100.0	9.00	134.63	7,038.5	-565.9	573.3	-570.3	0.00	0.00	0.00
7,200.0	9.00	134.63	7,137.2	-576.9	584.4	-581.4	0.00	0.00	0.00
7,300.0	9.00	134.63	7,236.0	-587.9	595.5	-592.4	0.00	0.00	0.00
7,400.0	9.00	134.63	7,334.8	-598.9	606.7	-603.5	0.00	0.00	0.00
7,500.0	9.00	134.63	7,433.6	-609.9	617.8	-614.6	0.00	0.00	0.00
7,600.0	9.00	134.63	7,532.3	-620.8	628.9	-625.7	0.00	0.00	0.00
7,700.0	9.00	134.63	7,631.1	-631.8	640.1	-636.7	0.00	0.00	0.00
7,800.0	9.00	134.63	7,729.9	-642.8	651.2	-647.8	0.00	0.00	0.00
7,900.0	9.00	134.63	7,828.6	-653.8	662.3	-658.9	0.00	0.00	0.00
8,000.0	9.00	134.63	7,927.4	-664.8	673.4	-669.9	0.00	0.00	0.00
8,100.0	9.00	134.63	8,026.2	-675.8	684.6	-681.0	0.00	0.00	0.00
8,200.0	9.00	134.63	8,124.9	-686.8	695.7	-692.1	0.00	0.00	0.00
8,300.0	9.00	134.63	8,223.7	-697.8	706.8	-703.2	0.00	0.00	0.00
8,400.0	9.00	134.63	8,322.5	-708.7	718.0	-714.2	0.00	0.00	0.00
8,497.7	9.00	134.63	8,419.0	-719.5	728.8	-725.1	0.00	0.00	0.00
8,500.0	8.97	134.63	8,421.3	-719.7	729.1	-725.3	1.00	-1.00	0.00
8,600.0	7.97	134.63	8,520.2	-730.1	739.6	-735.7	1.00	-1.00	0.00
8,700.0	6.97	134.63	8,619.3	-739.2	748.8	-744.9	1.00	-1.00	0.00
8,800.0	5.97	134.63	8,718.7	-747.1	756.9	-752.9	1.00	-1.00	0.00
8,900.0	4.97	134.63	8,818.2	-753.8	763.6	-759.7	1.00	-1.00	0.00
9,000.0	3.97	134.63	8,917.9	-759.3	769.2	-765.2	1.00	-1.00	0.00
9,100.0	2.97	134.63	9,017.7	-763.6	773.5	-769.5	1.00	-1.00	0.00
9,200.0	1.97	134.63	9,117.6	-766.6	776.6	-772.6	1.00	-1.00	0.00
9,300.0	0.97	134.63	9,217.6	-768.4	778.4	-774.4	1.00	-1.00	0.00
9,397.4	0.00	0.00	9,315.0	-769.0	779.0	-775.0	1.00	-1.00	0.00
9,400.0	0.00	0.00	9,317.6	-769.0	779.0	-775.0	0.00	0.00	0.00
9,500.0	0.00	0.00	9,417.6	-769.0	779.0	-775.0	0.00	0.00	0.00
9,600.0	0.00	0.00	9,517.6	-769.0	779.0	-775.0	0.00	0.00	0.00
9,700.0	0.00	0.00	9,617.6	-769.0	779.0	-775.0	0.00	0.00	0.00
9,800.0	0.00	0.00	9,717.6	-769.0	779.0	-775.0	0.00	0.00	0.00
9,900.0	0.00	0.00	9,817.6	-769.0	779.0	-775.0	0.00	0.00	0.00
10,000.0	0.00	0.00	9,917.6	-769.0	779.0	-775.0	0.00	0.00	0.00
10,100.0	0.00	0.00	10,017.6	-769.0	779.0	-775.0	0.00	0.00	0.00
10,200.0	0.00	0.00	10,117.6	-769.0	779.0	-775.0	0.00	0.00	0.00
10,300.0	0.00	0.00	10,217.6	-769.0	779.0	-775.0	0.00	0.00	0.00
10,400.0	0.00	0.00	10,317.6	-769.0	779.0	-775.0	0.00	0.00	0.00
10,500.0	0.00	0.00	10,417.6	-769.0	779.0	-775.0	0.00	0.00	0.00



Intrepid Planning Report



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Company:	Tap Rock Resources, LLC	TVD Reference:	KB @ 3578.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB @ 3578.0usft
Site:	(Prometheus State) Sec-22_T-24-S_R-34-E	North Reference:	Grid
Well:	Prometheus State Com #214H	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	10,517.6	-769.0	779.0	-775.0	0.00	0.00	0.00
10,700.0	0.00	0.00	10,617.6	-769.0	779.0	-775.0	0.00	0.00	0.00
10,800.0	0.00	0.00	10,717.6	-769.0	779.0	-775.0	0.00	0.00	0.00
10,900.0	0.00	0.00	10,817.6	-769.0	779.0	-775.0	0.00	0.00	0.00
11,000.0	0.00	0.00	10,917.6	-769.0	779.0	-775.0	0.00	0.00	0.00
11,100.0	0.00	0.00	11,017.6	-769.0	779.0	-775.0	0.00	0.00	0.00
11,200.0	0.00	0.00	11,117.6	-769.0	779.0	-775.0	0.00	0.00	0.00
11,300.0	0.00	0.00	11,217.6	-769.0	779.0	-775.0	0.00	0.00	0.00
11,400.0	0.00	0.00	11,317.6	-769.0	779.0	-775.0	0.00	0.00	0.00
11,500.0	0.00	0.00	11,417.6	-769.0	779.0	-775.0	0.00	0.00	0.00
11,600.0	0.00	0.00	11,517.6	-769.0	779.0	-775.0	0.00	0.00	0.00
11,700.0	0.00	0.00	11,617.6	-769.0	779.0	-775.0	0.00	0.00	0.00
11,800.0	0.00	0.00	11,717.6	-769.0	779.0	-775.0	0.00	0.00	0.00
11,900.0	0.00	0.00	11,817.6	-769.0	779.0	-775.0	0.00	0.00	0.00
12,000.0	0.00	0.00	11,917.6	-769.0	779.0	-775.0	0.00	0.00	0.00
12,033.4	0.00	0.00	11,951.0	-769.0	779.0	-775.0	0.00	0.00	0.00
12,050.0	1.66	359.56	11,967.6	-768.8	779.0	-774.7	10.00	10.00	0.00
12,100.0	6.66	359.56	12,017.4	-765.1	779.0	-771.1	10.00	10.00	0.00
12,150.0	11.66	359.56	12,066.8	-757.2	778.9	-763.1	10.00	10.00	0.00
12,200.0	16.66	359.56	12,115.2	-745.0	778.8	-750.9	10.00	10.00	0.00
12,250.0	21.66	359.56	12,162.5	-728.6	778.7	-734.5	10.00	10.00	0.00
12,300.0	26.66	359.56	12,208.1	-708.1	778.5	-714.1	10.00	10.00	0.00
12,350.0	31.66	359.56	12,251.7	-683.7	778.3	-689.7	10.00	10.00	0.00
12,400.0	36.66	359.56	12,293.1	-655.7	778.1	-661.6	10.00	10.00	0.00
12,450.0	41.66	359.56	12,331.8	-624.1	777.9	-630.1	10.00	10.00	0.00
12,500.0	46.66	359.56	12,367.7	-589.3	777.6	-595.2	10.00	10.00	0.00
12,550.0	51.66	359.56	12,400.4	-551.5	777.3	-557.4	10.00	10.00	0.00
12,600.0	56.66	359.56	12,429.7	-511.0	777.0	-516.9	10.00	10.00	0.00
12,650.0	61.66	359.56	12,455.3	-468.0	776.7	-474.0	10.00	10.00	0.00
12,700.0	66.66	359.56	12,477.1	-423.1	776.4	-429.0	10.00	10.00	0.00
12,750.0	71.66	359.56	12,494.9	-376.4	776.0	-382.3	10.00	10.00	0.00
12,800.0	76.66	359.56	12,508.5	-328.3	775.6	-334.2	10.00	10.00	0.00
12,850.0	81.66	359.56	12,517.9	-279.2	775.3	-285.1	10.00	10.00	0.00
12,900.0	86.66	359.56	12,523.0	-229.5	774.9	-235.4	10.00	10.00	0.00
12,939.4	90.60	359.56	12,523.9	-190.1	774.6	-196.0	10.00	10.00	0.00
13,000.0	90.60	359.56	12,523.3	-129.5	774.1	-135.4	0.00	0.00	0.00
13,100.0	90.60	359.56	12,522.2	-29.5	773.4	-35.4	0.00	0.00	0.00
13,200.0	90.60	359.56	12,521.2	70.5	772.6	64.6	0.00	0.00	0.00
13,300.0	90.60	359.56	12,520.2	170.5	771.8	164.6	0.00	0.00	0.00
13,400.0	90.60	359.56	12,519.1	270.5	771.1	264.6	0.00	0.00	0.00
13,500.0	90.60	359.56	12,518.1	370.5	770.3	364.6	0.00	0.00	0.00
13,600.0	90.60	359.56	12,517.0	470.5	769.5	464.5	0.00	0.00	0.00
13,700.0	90.60	359.56	12,516.0	570.5	768.8	564.5	0.00	0.00	0.00
13,800.0	90.60	359.56	12,514.9	670.5	768.0	664.5	0.00	0.00	0.00
13,900.0	90.60	359.56	12,513.9	770.4	767.2	764.5	0.00	0.00	0.00
14,000.0	90.60	359.56	12,512.8	870.4	766.5	864.5	0.00	0.00	0.00
14,100.0	90.60	359.56	12,511.8	970.4	765.7	964.5	0.00	0.00	0.00
14,200.0	90.60	359.56	12,510.7	1,070.4	765.0	1,064.5	0.00	0.00	0.00
14,300.0	90.60	359.56	12,509.7	1,170.4	764.2	1,164.5	0.00	0.00	0.00
14,400.0	90.60	359.56	12,508.6	1,270.4	763.4	1,264.5	0.00	0.00	0.00
14,500.0	90.60	359.56	12,507.6	1,370.4	762.7	1,364.5	0.00	0.00	0.00
14,600.0	90.60	359.56	12,506.6	1,470.4	761.9	1,464.5	0.00	0.00	0.00
14,700.0	90.60	359.56	12,505.5	1,570.4	761.1	1,564.5	0.00	0.00	0.00
14,800.0	90.60	359.56	12,504.5	1,670.4	760.4	1,664.5	0.00	0.00	0.00



Intrepid Planning Report



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Company:	Tap Rock Resources, LLC	TVD Reference:	KB @ 3578.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB @ 3578.0usft
Site:	(Prometheus State) Sec-22_T-24-S_R-34-E	North Reference:	Grid
Well:	Prometheus State Com #214H	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	90.60	359.56	12,503.4	1,770.4	759.6	1,764.5	0.00	0.00	0.00
15,000.0	90.60	359.56	12,502.4	1,870.4	758.8	1,864.5	0.00	0.00	0.00
15,100.0	90.60	359.56	12,501.3	1,970.3	758.1	1,964.5	0.00	0.00	0.00
15,200.0	90.60	359.56	12,500.3	2,070.3	757.3	2,064.5	0.00	0.00	0.00
15,300.0	90.60	359.56	12,499.2	2,170.3	756.5	2,164.5	0.00	0.00	0.00
15,400.0	90.60	359.56	12,498.2	2,270.3	755.8	2,264.4	0.00	0.00	0.00
15,500.0	90.60	359.56	12,497.1	2,370.3	755.0	2,364.4	0.00	0.00	0.00
15,600.0	90.60	359.56	12,496.1	2,470.3	754.3	2,464.4	0.00	0.00	0.00
15,700.0	90.60	359.56	12,495.1	2,570.3	753.5	2,564.4	0.00	0.00	0.00
15,800.0	90.60	359.56	12,494.0	2,670.3	752.7	2,664.4	0.00	0.00	0.00
15,900.0	90.60	359.56	12,493.0	2,770.3	752.0	2,764.4	0.00	0.00	0.00
16,000.0	90.60	359.56	12,491.9	2,870.3	751.2	2,864.4	0.00	0.00	0.00
16,100.0	90.60	359.56	12,490.9	2,970.3	750.4	2,964.4	0.00	0.00	0.00
16,200.0	90.60	359.56	12,489.8	3,070.3	749.7	3,064.4	0.00	0.00	0.00
16,300.0	90.60	359.56	12,488.8	3,170.2	748.9	3,164.4	0.00	0.00	0.00
16,400.0	90.60	359.56	12,487.7	3,270.2	748.1	3,264.4	0.00	0.00	0.00
16,500.0	90.60	359.56	12,486.7	3,370.2	747.4	3,364.4	0.00	0.00	0.00
16,600.0	90.60	359.56	12,485.6	3,470.2	746.6	3,464.4	0.00	0.00	0.00
16,700.0	90.60	359.56	12,484.6	3,570.2	745.9	3,564.4	0.00	0.00	0.00
16,800.0	90.60	359.56	12,483.5	3,670.2	745.1	3,664.4	0.00	0.00	0.00
16,900.0	90.60	359.56	12,482.5	3,770.2	744.3	3,764.4	0.00	0.00	0.00
17,000.0	90.60	359.56	12,481.5	3,870.2	743.6	3,864.4	0.00	0.00	0.00
17,100.0	90.60	359.56	12,480.4	3,970.2	742.8	3,964.4	0.00	0.00	0.00
17,200.0	90.60	359.56	12,479.4	4,070.2	742.0	4,064.4	0.00	0.00	0.00
17,300.0	90.60	359.56	12,478.3	4,170.2	741.3	4,164.3	0.00	0.00	0.00
17,400.0	90.60	359.56	12,477.3	4,270.2	740.5	4,264.3	0.00	0.00	0.00
17,500.0	90.60	359.56	12,476.2	4,370.1	739.7	4,364.3	0.00	0.00	0.00
17,600.0	90.60	359.56	12,475.2	4,470.1	739.0	4,464.3	0.00	0.00	0.00
17,700.0	90.60	359.56	12,474.1	4,570.1	738.2	4,564.3	0.00	0.00	0.00
17,800.0	90.60	359.56	12,473.1	4,670.1	737.5	4,664.3	0.00	0.00	0.00
17,900.0	90.60	359.56	12,472.0	4,770.1	736.7	4,764.3	0.00	0.00	0.00
18,000.0	90.60	359.56	12,471.0	4,870.1	735.9	4,864.3	0.00	0.00	0.00
18,100.0	90.60	359.56	12,470.0	4,970.1	735.2	4,964.3	0.00	0.00	0.00
18,200.0	90.60	359.56	12,468.9	5,070.1	734.4	5,064.3	0.00	0.00	0.00
18,300.0	90.60	359.56	12,467.9	5,170.1	733.6	5,164.3	0.00	0.00	0.00
18,400.0	90.60	359.56	12,466.8	5,270.1	732.9	5,264.3	0.00	0.00	0.00
18,500.0	90.60	359.56	12,465.8	5,370.1	732.1	5,364.3	0.00	0.00	0.00
18,600.0	90.60	359.56	12,464.7	5,470.1	731.3	5,464.3	0.00	0.00	0.00
18,700.0	90.60	359.56	12,463.7	5,570.0	730.6	5,564.3	0.00	0.00	0.00
18,800.0	90.60	359.56	12,462.6	5,670.0	729.8	5,664.3	0.00	0.00	0.00
18,900.0	90.60	359.56	12,461.6	5,770.0	729.1	5,764.3	0.00	0.00	0.00
19,000.0	90.60	359.56	12,460.5	5,870.0	728.3	5,864.3	0.00	0.00	0.00
19,100.0	90.60	359.56	12,459.5	5,970.0	727.5	5,964.2	0.00	0.00	0.00
19,200.0	90.60	359.56	12,458.4	6,070.0	726.8	6,064.2	0.00	0.00	0.00
19,300.0	90.60	359.56	12,457.4	6,170.0	726.0	6,164.2	0.00	0.00	0.00
19,400.0	90.60	359.56	12,456.4	6,270.0	725.2	6,264.2	0.00	0.00	0.00
19,500.0	90.60	359.56	12,455.3	6,370.0	724.5	6,364.2	0.00	0.00	0.00
19,600.0	90.60	359.56	12,454.3	6,470.0	723.7	6,464.2	0.00	0.00	0.00
19,700.0	90.60	359.56	12,453.2	6,570.0	722.9	6,564.2	0.00	0.00	0.00
19,800.0	90.60	359.56	12,452.2	6,670.0	722.2	6,664.2	0.00	0.00	0.00
19,900.0	90.60	359.56	12,451.1	6,769.9	721.4	6,764.2	0.00	0.00	0.00
20,000.0	90.60	359.56	12,450.1	6,869.9	720.7	6,864.2	0.00	0.00	0.00
20,100.0	90.60	359.56	12,449.0	6,969.9	719.9	6,964.2	0.00	0.00	0.00
20,200.0	90.60	359.56	12,448.0	7,069.9	719.1	7,064.2	0.00	0.00	0.00



Intrepid Planning Report



Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well Prometheus State Com #214H
Company:	Tap Rock Resources, LLC	TVD Reference:	KB @ 3578.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB @ 3578.0usft
Site:	(Prometheus State) Sec-22_T-24-S_R-34-E	North Reference:	Grid
Well:	Prometheus State Com #214H	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	90.60	359.56	12,446.9	7,169.9	718.4	7,164.2	0.00	0.00	0.00	
20,400.0	90.60	359.56	12,445.9	7,269.9	717.6	7,264.2	0.00	0.00	0.00	
20,500.0	90.60	359.56	12,444.8	7,369.9	716.8	7,364.2	0.00	0.00	0.00	
20,600.0	90.60	359.56	12,443.8	7,469.9	716.1	7,464.2	0.00	0.00	0.00	
20,700.0	90.60	359.56	12,442.8	7,569.9	715.3	7,564.2	0.00	0.00	0.00	
20,800.0	90.60	359.56	12,441.7	7,669.9	714.5	7,664.2	0.00	0.00	0.00	
20,900.0	90.60	359.56	12,440.7	7,769.9	713.8	7,764.1	0.00	0.00	0.00	
21,000.0	90.60	359.56	12,439.6	7,869.9	713.0	7,864.1	0.00	0.00	0.00	
21,100.0	90.60	359.56	12,438.6	7,969.8	712.3	7,964.1	0.00	0.00	0.00	
21,200.0	90.60	359.56	12,437.5	8,069.8	711.5	8,064.1	0.00	0.00	0.00	
21,300.0	90.60	359.56	12,436.5	8,169.8	710.7	8,164.1	0.00	0.00	0.00	
21,400.0	90.60	359.56	12,435.4	8,269.8	710.0	8,264.1	0.00	0.00	0.00	
21,500.0	90.60	359.56	12,434.4	8,369.8	709.2	8,364.1	0.00	0.00	0.00	
21,600.0	90.60	359.56	12,433.3	8,469.8	708.4	8,464.1	0.00	0.00	0.00	
21,700.0	90.60	359.56	12,432.3	8,569.8	707.7	8,564.1	0.00	0.00	0.00	
21,800.0	90.60	359.56	12,431.3	8,669.8	706.9	8,664.1	0.00	0.00	0.00	
21,900.0	90.60	359.56	12,430.2	8,769.8	706.1	8,764.1	0.00	0.00	0.00	
22,000.0	90.60	359.56	12,429.2	8,869.8	705.4	8,864.1	0.00	0.00	0.00	
22,100.0	90.60	359.56	12,428.1	8,969.8	704.6	8,964.1	0.00	0.00	0.00	
22,200.0	90.60	359.56	12,427.1	9,069.7	703.9	9,064.1	0.00	0.00	0.00	
22,300.0	90.60	359.56	12,426.0	9,169.7	703.1	9,164.1	0.00	0.00	0.00	
22,400.0	90.60	359.56	12,425.0	9,269.7	702.3	9,264.1	0.00	0.00	0.00	
22,500.0	90.60	359.56	12,423.9	9,369.7	701.6	9,364.1	0.00	0.00	0.00	
22,600.0	90.60	359.56	12,422.9	9,469.7	700.8	9,464.1	0.00	0.00	0.00	
22,700.0	90.60	359.56	12,421.8	9,569.7	700.0	9,564.0	0.00	0.00	0.00	
22,800.0	90.60	359.56	12,420.8	9,669.7	699.3	9,664.0	0.00	0.00	0.00	
22,835.3	90.60	359.56	12,420.4	9,705.0	699.0	9,699.3	0.00	0.00	0.00	

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
LTP (Prometheus Sta - hit/miss target - Shape	0.00	0.00	12,420.4	9,635.0	699.0	446,313.00	782,266.00	32° 13' 28.522 N	103° 33' 15.192 W	
- plan misses target center by 0.9usft at 22765.3usft MD (12421.2 TVD, 9635.0 N, 699.5 E)										
- Point										
PBHL (Prometheus Si - plan hits target center - Rectangle (sides W100.0 H10,424.0 D30.0)	-0.60	359.56	12,420.4	9,705.0	699.0	446,383.00	782,266.00	32° 13' 29.215 N	103° 33' 15.186 W	
FTP (Prometheus Sta - plan misses target center by 201.4usft at 12502.8usft MD (12369.6 TVD, -587.3 N, 777.6 E) - Point	0.00	0.00	12,522.0	-719.0	779.0	435,959.00	782,346.00	32° 11' 46.062 N	103° 33' 15.134 W	



Intrepid Planning Report



Database: EDM 5000.15 Single User Db
Company: Tap Rock Resources, LLC
Project: Lea County, NM (NAD 83 NME)
Site: (Prometheus State) Sec-22_T-24-S_R-34-E
Well: Prometheus State Com #214H
Wellbore: OWB
Design: Plan #2

Local Co-ordinate Reference: Well Prometheus State Com #214H
TVD Reference: KB @ 3578.0usft
MD Reference: KB @ 3578.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,237.0	1,237.0	Rustler Anhydrite			
1,693.0	1,693.0	Top Salt			
5,015.9	4,980.0	Base Salt			
5,267.0	5,228.0	Delaware Mountain Gp			
5,277.1	5,238.0	Lamar			
5,295.3	5,256.0	Bell Canyon			
5,316.6	5,277.0	Ramsey Sand			
6,300.7	6,249.0	Cherry Canyon			
7,734.3	7,665.0	Brushy Canyon			
9,259.4	9,177.0	Bone Spring Lime			
9,356.4	9,274.0	Upper Avalon			
9,531.4	9,449.0	Middle Avalon			
9,896.4	9,814.0	Lower Avalon			
10,236.4	10,154.0	1st Bone Spring Sand			
10,531.4	10,449.0	2nd Bone Spring Carb			
10,972.4	10,890.0	2nd Bone Spring Sand			
11,452.4	11,370.0	3rd Bone Spring Carb			
12,036.4	11,954.0	3rd Bone Spring Sand			
12,343.3	12,246.0	3rd BS W Sand			
12,413.7	12,304.0	Wolfcamp A X Sand			
12,641.1	12,451.0	Wolfcamp A Y Sand			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,500.0	1,500.0	0.0	0.0	NUDGE - Build 1.00
2,399.7	2,396.0	-49.5	50.2	HOLD - 6098.0 at 2399.7 MD
8,497.7	8,419.0	-719.5	728.8	DROP - -1.00
9,397.4	9,315.0	-769.0	779.0	HOLD - 2636.0 at 9397.4 MD
12,033.4	11,951.0	-769.0	779.0	KOP - DLS 10.00 TFO 359.56
12,939.4	12,523.9	-190.1	774.6	EOC - 9895.9 hold at 12939.4 MD
22,835.3	12,420.4	9,705.0	699.0	TD at 22835.3

PROMETHEUS STATE COM #214H

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	1262	570	0	Fresh Water
Intermediate	9.875	7.625	29.7	P-110	9259	1651	0	Diesel Brine
	8.75	7.625	29.7	P-110	11933			
Production	6.75	5.5	20	P-110	22835	843	11733	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'.

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District II
811 S. First St., Artesia, NM 88210
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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 55077

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 55077
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

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