

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. 30-025-48765
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 174H
9. OGRID Number 372043
10. Pool name or Wildcat TRIPLE X; BONE SPRING, WEST
4. Well Location Unit Letter <u>O</u> : <u>823</u> feet from the <u>South</u> line and <u>1461</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.) 3552 GR

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☒
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
 DOWNHOLE COMMINGLE ☐
 CLOSED-LOOP SYSTEM ☐
 OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
 COMMENCE DRILLING OPNS. ☐ P AND A ☐
 CASING/CEMENT JOB ☐
 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 requests the following:

1. Change the BHL to A-15-24S-33E, 30' FNL 1041' FEL, Lea County, NM. Lat: 32.2247825, Long: -103.555241
2. Change the spacing unit size to 640 acres compromised of Units A B G H I J O P 15-24S-33E and A B G H I J O P 22-24S-33E based on Prometheus State Com 144H (API 30-025-48765) as the defining well.

See attached updated C-102 and drill plans.

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

SIGNATURE  TITLE Regulatory Analyst DATE 5/11/2022

Type or print name Jeff Trlica E-mail address: jtrlica@taprk.com PHONE: 720-772-5910

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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811 S. First St., Artesia, NM 88210
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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 30-025-48765	² Pool Code 96674	³ Pool Name TRIPLE X;BONE SPRING, WEST
⁴ Property Code 330700	⁵ Property Name PROMETHEUS STATE COM	⁶ Well Number 144H
⁷ OGRID No. #372043	⁸ Operator Name TAP ROCK OPERATING, LLC.	⁹ Elevation 3552'

¹⁰Surface Location

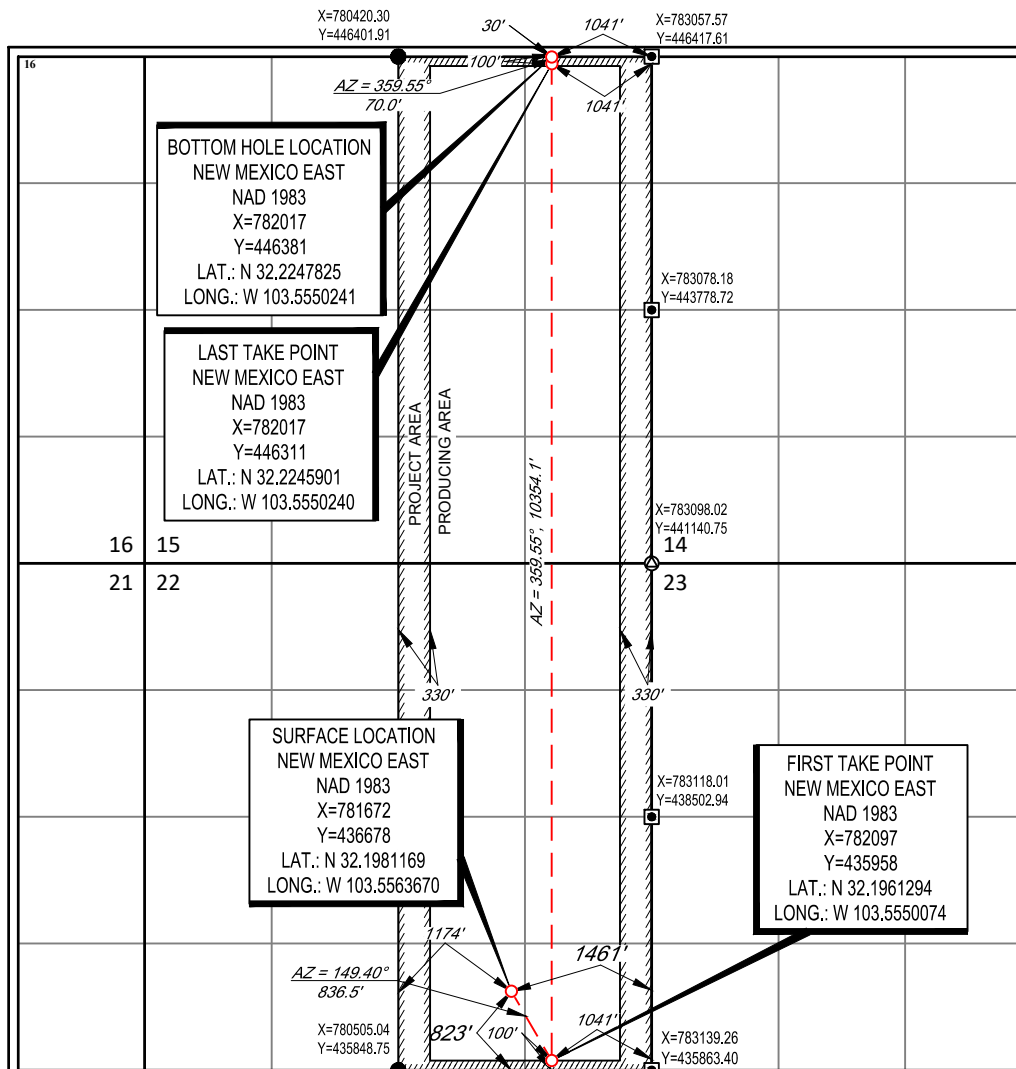
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	22	24-S	33-E	-	823'	SOUTH	1461'	EAST	LEA

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	1041'	EAST	LEA

¹² Dedicated Acres 640	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.

¹⁷OPERATOR 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.

[Signature] 5/4/2022

Signature Date

Jeff Trlica

Printed Name

jtrlica@taprk.com

E-mail Address

¹⁸SURVEYOR 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.

10/07/2021

Date of Survey Signature and Seal of Professional Surveyor

[Signature]
24508
PROFESSIONAL SURVEYOR

Certificate Number



Tap Rock Resources, LLC

**Lea County, NM (NAD 83 NME)
(Prometheus State) Sec-22_T-24-S_R-34-E
Prometheus State Com #144H**

OWB

Plan: Plan #3

Standard Planning Report

11 May, 2022





Intrepid Planning Report



Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well Prometheus State Com #144H
Company:	Tap Rock Resources, LLC	TVD Reference:	KB @ 3578.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB @ 3578.0usft
Site:	(Promethus State) Sec-22_T-24-S_R-34-E	North Reference:	Grid
Well:	Prometheus State Com #144H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	Plan #3		

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	Latitude: 32° 11' 56.488 N
From: Map	Easting:	778,079.00 usft	Longitude: 103° 34' 4.705 W
Position Uncertainty: 0.0 usft	Slot Radius: 13-3/16 "		Grid Convergence: 0.41 °

Well	Prometheus State Com #144H		
Well Position	+N/-S	-304.0 usft	Northing: 436,678.00 usft
	+E/-W	3,593.0 usft	Easting: 781,672.00 usft
Position Uncertainty 0.0 usft			Latitude: 32° 11' 53.225 N
			Longitude: 103° 33' 22.917 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	47,528.93484332

Design	Plan #3			
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	05/11/22		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	20,785.2 Plan #3 (OWB)	MWD+IFR1+MS	
			OWSG MWD + IFR1 + Mult	



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Wellbore:	OWB		
Design:	Plan #3		

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	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,499.6	13.00	146.56	2,488.5	-122.5	80.9	1.00	1.00	0.00	146.56	
5,350.6	13.00	146.56	5,266.5	-657.5	434.1	0.00	0.00	0.00	0.00	
6,650.3	0.00	0.00	6,555.0	-780.0	515.0	1.00	-1.00	0.00	180.00	
9,996.8	0.00	0.00	9,901.5	-780.0	515.0	0.00	0.00	0.00	0.00	
10,825.9	91.20	352.32	10,422.3	-253.0	443.9	11.00	11.00	0.00	352.32	
11,187.7	91.20	359.56	10,414.7	107.7	418.3	2.00	0.00	2.00	89.95	
13,583.8	91.20	359.56	10,364.6	2,503.1	399.9	0.00	0.00	0.00	0.00	T1 (Prometheus Sta
13,623.6	90.40	359.56	10,364.1	2,542.9	399.6	2.00	-2.00	0.00	179.94	
19,884.0	90.40	359.56	10,320.4	8,803.0	351.5	0.00	0.00	0.00	0.00	
20,112.0	90.40	355.00	10,318.8	9,030.6	340.7	2.00	0.00	-2.00	-89.98	
20,312.0	90.40	355.00	10,317.4	9,229.9	323.3	0.00	0.00	0.00	0.00	
20,540.0	90.40	359.56	10,315.8	9,457.5	312.5	2.00	0.00	2.00	89.98	
20,785.2	90.40	359.56	10,314.1	9,702.7	310.6	0.00	0.00	0.00	0.00	PBHL (Prometheus



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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 #144H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	Plan #3		

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
NUDGE - Build 1.00									
1,300.0	1.00	146.56	1,300.0	-0.7	0.5	-0.7	1.00	1.00	0.00
1,400.0	2.00	146.56	1,400.0	-2.9	1.9	-2.9	1.00	1.00	0.00
1,500.0	3.00	146.56	1,499.9	-6.6	4.3	-6.6	1.00	1.00	0.00
1,600.0	4.00	146.56	1,599.7	-11.6	7.7	-11.7	1.00	1.00	0.00
1,700.0	5.00	146.56	1,699.4	-18.2	12.0	-18.3	1.00	1.00	0.00
1,800.0	6.00	146.56	1,798.9	-26.2	17.3	-26.3	1.00	1.00	0.00
1,900.0	7.00	146.56	1,898.3	-35.6	23.5	-35.8	1.00	1.00	0.00
2,000.0	8.00	146.56	1,997.4	-46.5	30.7	-46.8	1.00	1.00	0.00
2,100.0	9.00	146.56	2,096.3	-58.9	38.9	-59.2	1.00	1.00	0.00
2,200.0	10.00	146.56	2,194.9	-72.6	48.0	-73.0	1.00	1.00	0.00
2,300.0	11.00	146.56	2,293.3	-87.8	58.0	-88.3	1.00	1.00	0.00
2,400.0	12.00	146.56	2,391.2	-104.5	69.0	-105.0	1.00	1.00	0.00
2,499.6	13.00	146.56	2,488.5	-122.5	80.9	-123.1	1.00	1.00	0.00
HOLD - 2851.0 at 2499.6 MD									
2,600.0	13.00	146.56	2,586.3	-141.3	93.3	-142.0	0.00	0.00	0.00
2,700.0	13.00	146.56	2,683.8	-160.1	105.7	-160.9	0.00	0.00	0.00
2,800.0	13.00	146.56	2,781.2	-178.8	118.1	-179.7	0.00	0.00	0.00
2,900.0	13.00	146.56	2,878.6	-197.6	130.5	-198.6	0.00	0.00	0.00
3,000.0	13.00	146.56	2,976.1	-216.4	142.9	-217.5	0.00	0.00	0.00
3,100.0	13.00	146.56	3,073.5	-235.1	155.3	-236.3	0.00	0.00	0.00
3,200.0	13.00	146.56	3,170.9	-253.9	167.6	-255.2	0.00	0.00	0.00
3,300.0	13.00	146.56	3,268.4	-272.7	180.0	-274.1	0.00	0.00	0.00
3,400.0	13.00	146.56	3,365.8	-291.4	192.4	-292.9	0.00	0.00	0.00
3,500.0	13.00	146.56	3,463.3	-310.2	204.8	-311.8	0.00	0.00	0.00
3,600.0	13.00	146.56	3,560.7	-329.0	217.2	-330.6	0.00	0.00	0.00
3,700.0	13.00	146.56	3,658.1	-347.8	229.6	-349.5	0.00	0.00	0.00
3,800.0	13.00	146.56	3,755.6	-366.5	242.0	-368.4	0.00	0.00	0.00
3,900.0	13.00	146.56	3,853.0	-385.3	254.4	-387.2	0.00	0.00	0.00
4,000.0	13.00	146.56	3,950.5	-404.1	266.8	-406.1	0.00	0.00	0.00
4,100.0	13.00	146.56	4,047.9	-422.8	279.2	-424.9	0.00	0.00	0.00
4,200.0	13.00	146.56	4,145.3	-441.6	291.6	-443.8	0.00	0.00	0.00
4,300.0	13.00	146.56	4,242.8	-460.4	304.0	-462.7	0.00	0.00	0.00
4,400.0	13.00	146.56	4,340.2	-479.1	316.3	-481.5	0.00	0.00	0.00
4,500.0	13.00	146.56	4,437.6	-497.9	328.7	-500.4	0.00	0.00	0.00
4,600.0	13.00	146.56	4,535.1	-516.7	341.1	-519.3	0.00	0.00	0.00
4,700.0	13.00	146.56	4,632.5	-535.4	353.5	-538.1	0.00	0.00	0.00
4,800.0	13.00	146.56	4,730.0	-554.2	365.9	-557.0	0.00	0.00	0.00
4,900.0	13.00	146.56	4,827.4	-573.0	378.3	-575.8	0.00	0.00	0.00
5,000.0	13.00	146.56	4,924.8	-591.7	390.7	-594.7	0.00	0.00	0.00
5,100.0	13.00	146.56	5,022.3	-610.5	403.1	-613.6	0.00	0.00	0.00



Intrepid Planning Report



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Wellbore:	OWB		
Design:	Plan #3		

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)
5,200.0	13.00	146.56	5,119.7	-629.3	415.5	-632.4	0.00	0.00	0.00
5,300.0	13.00	146.56	5,217.2	-648.0	427.9	-651.3	0.00	0.00	0.00
5,350.6	13.00	146.56	5,266.5	-657.5	434.1	-660.8	0.00	0.00	0.00
DROP - -1.00									
5,400.0	12.50	146.56	5,314.6	-666.6	440.1	-670.0	1.00	-1.00	0.00
5,500.0	11.50	146.56	5,412.5	-684.0	451.6	-687.4	1.00	-1.00	0.00
5,600.0	10.50	146.56	5,510.6	-699.9	462.1	-703.4	1.00	-1.00	0.00
5,700.0	9.50	146.56	5,609.1	-714.4	471.7	-718.0	1.00	-1.00	0.00
5,800.0	8.50	146.56	5,707.9	-727.4	480.3	-731.1	1.00	-1.00	0.00
5,900.0	7.50	146.56	5,806.9	-739.1	488.0	-742.8	1.00	-1.00	0.00
6,000.0	6.50	146.56	5,906.1	-749.2	494.7	-753.0	1.00	-1.00	0.00
6,100.0	5.50	146.56	6,005.6	-758.0	500.5	-761.8	1.00	-1.00	0.00
6,200.0	4.50	146.56	6,105.2	-765.2	505.3	-769.1	1.00	-1.00	0.00
6,300.0	3.50	146.56	6,205.0	-771.1	509.1	-775.0	1.00	-1.00	0.00
6,400.0	2.50	146.56	6,304.8	-775.4	512.0	-779.3	1.00	-1.00	0.00
6,500.0	1.50	146.56	6,404.8	-778.4	513.9	-782.3	1.00	-1.00	0.00
6,600.0	0.50	146.56	6,504.7	-779.8	514.9	-783.7	1.00	-1.00	0.00
6,650.3	0.00	0.00	6,555.0	-780.0	515.0	-783.9	1.00	-1.00	0.00
HOLD - 3346.5 at 6650.3 MD									
6,700.0	0.00	0.00	6,604.7	-780.0	515.0	-783.9	0.00	0.00	0.00
6,800.0	0.00	0.00	6,704.7	-780.0	515.0	-783.9	0.00	0.00	0.00
6,900.0	0.00	0.00	6,804.7	-780.0	515.0	-783.9	0.00	0.00	0.00
7,000.0	0.00	0.00	6,904.7	-780.0	515.0	-783.9	0.00	0.00	0.00
7,100.0	0.00	0.00	7,004.7	-780.0	515.0	-783.9	0.00	0.00	0.00
7,200.0	0.00	0.00	7,104.7	-780.0	515.0	-783.9	0.00	0.00	0.00
7,300.0	0.00	0.00	7,204.7	-780.0	515.0	-783.9	0.00	0.00	0.00
7,400.0	0.00	0.00	7,304.7	-780.0	515.0	-783.9	0.00	0.00	0.00
7,500.0	0.00	0.00	7,404.7	-780.0	515.0	-783.9	0.00	0.00	0.00
7,600.0	0.00	0.00	7,504.7	-780.0	515.0	-783.9	0.00	0.00	0.00
7,700.0	0.00	0.00	7,604.7	-780.0	515.0	-783.9	0.00	0.00	0.00
7,800.0	0.00	0.00	7,704.7	-780.0	515.0	-783.9	0.00	0.00	0.00
7,900.0	0.00	0.00	7,804.7	-780.0	515.0	-783.9	0.00	0.00	0.00
8,000.0	0.00	0.00	7,904.7	-780.0	515.0	-783.9	0.00	0.00	0.00
8,100.0	0.00	0.00	8,004.7	-780.0	515.0	-783.9	0.00	0.00	0.00
8,200.0	0.00	0.00	8,104.7	-780.0	515.0	-783.9	0.00	0.00	0.00
8,300.0	0.00	0.00	8,204.7	-780.0	515.0	-783.9	0.00	0.00	0.00
8,400.0	0.00	0.00	8,304.7	-780.0	515.0	-783.9	0.00	0.00	0.00
8,500.0	0.00	0.00	8,404.7	-780.0	515.0	-783.9	0.00	0.00	0.00
8,600.0	0.00	0.00	8,504.7	-780.0	515.0	-783.9	0.00	0.00	0.00
8,700.0	0.00	0.00	8,604.7	-780.0	515.0	-783.9	0.00	0.00	0.00
8,800.0	0.00	0.00	8,704.7	-780.0	515.0	-783.9	0.00	0.00	0.00
8,900.0	0.00	0.00	8,804.7	-780.0	515.0	-783.9	0.00	0.00	0.00
9,000.0	0.00	0.00	8,904.7	-780.0	515.0	-783.9	0.00	0.00	0.00
9,100.0	0.00	0.00	9,004.7	-780.0	515.0	-783.9	0.00	0.00	0.00
9,200.0	0.00	0.00	9,104.7	-780.0	515.0	-783.9	0.00	0.00	0.00
9,300.0	0.00	0.00	9,204.7	-780.0	515.0	-783.9	0.00	0.00	0.00
9,400.0	0.00	0.00	9,304.7	-780.0	515.0	-783.9	0.00	0.00	0.00
9,500.0	0.00	0.00	9,404.7	-780.0	515.0	-783.9	0.00	0.00	0.00
9,600.0	0.00	0.00	9,504.7	-780.0	515.0	-783.9	0.00	0.00	0.00
9,700.0	0.00	0.00	9,604.7	-780.0	515.0	-783.9	0.00	0.00	0.00
9,800.0	0.00	0.00	9,704.7	-780.0	515.0	-783.9	0.00	0.00	0.00
9,900.0	0.00	0.00	9,804.7	-780.0	515.0	-783.9	0.00	0.00	0.00
9,996.8	0.00	0.00	9,901.5	-780.0	515.0	-783.9	0.00	0.00	0.00



Intrepid Planning Report



Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well Prometheus State Com #144H
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 #144H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	Plan #3		

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)
KOP - Build 11.00									
10,000.0	0.36	352.32	9,904.7	-780.0	515.0	-783.9	11.00	11.00	0.00
10,050.0	5.86	352.32	9,954.6	-777.3	514.6	-781.2	11.00	11.00	0.00
10,100.0	11.36	352.32	10,004.1	-769.9	513.6	-773.8	11.00	11.00	0.00
10,150.0	16.86	352.32	10,052.5	-757.8	512.0	-761.7	11.00	11.00	0.00
10,200.0	22.36	352.32	10,099.6	-741.2	509.8	-745.1	11.00	11.00	0.00
10,250.0	27.86	352.32	10,144.9	-720.2	506.9	-724.1	11.00	11.00	0.00
10,300.0	33.36	352.32	10,187.9	-695.0	503.5	-698.8	11.00	11.00	0.00
10,350.0	38.86	352.32	10,228.3	-665.8	499.6	-669.6	11.00	11.00	0.00
10,400.0	44.36	352.32	10,265.7	-632.9	495.2	-636.7	11.00	11.00	0.00
10,450.0	49.86	352.32	10,299.7	-596.6	490.3	-600.3	11.00	11.00	0.00
10,500.0	55.36	352.32	10,330.0	-557.2	485.0	-561.0	11.00	11.00	0.00
10,550.0	60.86	352.32	10,356.4	-515.2	479.3	-518.9	11.00	11.00	0.00
10,600.0	66.36	352.32	10,378.6	-470.8	473.3	-474.4	11.00	11.00	0.00
10,604.2	66.82	352.32	10,380.3	-467.0	472.8	-470.6	11.00	11.00	0.00
Enter corridor at 10604.2'MD, 66.8°INC									
10,650.0	71.86	352.32	10,396.5	-424.5	467.1	-428.1	11.00	11.00	0.00
10,700.0	77.36	352.32	10,409.7	-376.8	460.6	-380.3	11.00	11.00	0.00
10,750.0	82.86	352.32	10,418.3	-328.0	454.0	-331.5	11.00	11.00	0.00
10,800.0	88.36	352.32	10,422.2	-278.6	447.4	-282.0	11.00	11.00	0.00
10,825.9	91.20	352.32	10,422.3	-253.0	443.9	-256.4	11.00	11.00	0.00
EOC/TRN - DLS 2.00 TFO 89.95									
10,900.0	91.20	353.80	10,420.7	-179.4	435.0	-182.7	2.00	0.00	2.00
11,000.0	91.20	355.80	10,418.6	-79.8	425.9	-83.1	2.00	0.00	2.00
11,100.0	91.20	357.80	10,416.5	20.0	420.3	16.7	2.00	0.00	2.00
11,187.7	91.20	359.56	10,414.7	107.7	418.3	104.4	2.00	0.00	2.00
Start 2396.0 hold at 11187.7 MD									
11,200.0	91.20	359.56	10,414.4	119.9	418.2	116.7	0.00	0.00	0.00
11,300.0	91.20	359.56	10,412.3	219.9	417.5	216.7	0.00	0.00	0.00
11,400.0	91.20	359.56	10,410.2	319.9	416.7	316.7	0.00	0.00	0.00
11,500.0	91.20	359.56	10,408.2	419.9	415.9	416.6	0.00	0.00	0.00
11,600.0	91.20	359.56	10,406.1	519.8	415.2	516.6	0.00	0.00	0.00
11,700.0	91.20	359.56	10,404.0	619.8	414.4	616.6	0.00	0.00	0.00
11,800.0	91.20	359.56	10,401.9	719.8	413.6	716.6	0.00	0.00	0.00
11,900.0	91.20	359.56	10,399.8	819.8	412.9	816.6	0.00	0.00	0.00
12,000.0	91.20	359.56	10,397.7	919.7	412.1	916.5	0.00	0.00	0.00
12,100.0	91.20	359.56	10,395.6	1,019.7	411.3	1,016.5	0.00	0.00	0.00
12,200.0	91.20	359.56	10,393.5	1,119.7	410.5	1,116.5	0.00	0.00	0.00
12,300.0	91.20	359.56	10,391.4	1,219.7	409.8	1,216.5	0.00	0.00	0.00
12,400.0	91.20	359.56	10,389.4	1,319.6	409.0	1,316.5	0.00	0.00	0.00
12,500.0	91.20	359.56	10,387.3	1,419.6	408.2	1,416.4	0.00	0.00	0.00
12,600.0	91.20	359.56	10,385.2	1,519.6	407.5	1,516.4	0.00	0.00	0.00
12,700.0	91.20	359.56	10,383.1	1,619.6	406.7	1,616.4	0.00	0.00	0.00
12,800.0	91.20	359.56	10,381.0	1,719.5	405.9	1,716.4	0.00	0.00	0.00
12,900.0	91.20	359.56	10,378.9	1,819.5	405.2	1,816.3	0.00	0.00	0.00
13,000.0	91.20	359.56	10,376.8	1,919.5	404.4	1,916.3	0.00	0.00	0.00
13,100.0	91.20	359.56	10,374.7	2,019.5	403.6	2,016.3	0.00	0.00	0.00
13,200.0	91.20	359.56	10,372.6	2,119.4	402.9	2,116.3	0.00	0.00	0.00
13,300.0	91.20	359.56	10,370.6	2,219.4	402.1	2,216.3	0.00	0.00	0.00
13,400.0	91.20	359.56	10,368.5	2,319.4	401.3	2,316.2	0.00	0.00	0.00
13,500.0	91.20	359.56	10,366.4	2,419.4	400.5	2,416.2	0.00	0.00	0.00
13,583.8	91.20	359.56	10,364.6	2,503.1	399.9	2,500.0	0.00	0.00	0.00
Start DLS 2.00 TFO 179.94									



Intrepid Planning Report



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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 #144H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	Plan #3		

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)
13,600.0	90.87	359.56	10,364.3	2,519.3	399.8	2,516.2	2.00	-2.00	0.00
13,623.6	90.40	359.56	10,364.1	2,542.9	399.6	2,539.8	2.00	-2.00	0.00
Start 6260.4 hold at 13623.6 MD									
13,700.0	90.40	359.56	10,363.5	2,619.3	399.0	2,616.2	0.00	0.00	0.00
13,800.0	90.40	359.56	10,362.8	2,719.3	398.2	2,716.2	0.00	0.00	0.00
13,900.0	90.40	359.56	10,362.1	2,819.3	397.5	2,816.2	0.00	0.00	0.00
14,000.0	90.40	359.56	10,361.4	2,919.3	396.7	2,916.2	0.00	0.00	0.00
14,100.0	90.40	359.56	10,360.8	3,019.3	395.9	3,016.2	0.00	0.00	0.00
14,200.0	90.40	359.56	10,360.1	3,119.3	395.2	3,116.2	0.00	0.00	0.00
14,300.0	90.40	359.56	10,359.4	3,219.3	394.4	3,216.2	0.00	0.00	0.00
14,400.0	90.40	359.56	10,358.7	3,319.3	393.6	3,316.2	0.00	0.00	0.00
14,500.0	90.40	359.56	10,358.0	3,419.3	392.9	3,416.2	0.00	0.00	0.00
14,600.0	90.40	359.56	10,357.3	3,519.3	392.1	3,516.2	0.00	0.00	0.00
14,700.0	90.40	359.56	10,356.6	3,619.3	391.3	3,616.2	0.00	0.00	0.00
14,800.0	90.40	359.56	10,355.9	3,719.3	390.6	3,716.2	0.00	0.00	0.00
14,900.0	90.40	359.56	10,355.2	3,819.3	389.8	3,816.2	0.00	0.00	0.00
15,000.0	90.40	359.56	10,354.5	3,919.3	389.0	3,916.2	0.00	0.00	0.00
15,100.0	90.40	359.56	10,353.8	4,019.3	388.3	4,016.2	0.00	0.00	0.00
15,200.0	90.40	359.56	10,353.1	4,119.2	387.5	4,116.1	0.00	0.00	0.00
15,300.0	90.40	359.56	10,352.4	4,219.2	386.7	4,216.1	0.00	0.00	0.00
15,400.0	90.40	359.56	10,351.7	4,319.2	386.0	4,316.1	0.00	0.00	0.00
15,500.0	90.40	359.56	10,351.0	4,419.2	385.2	4,416.1	0.00	0.00	0.00
15,600.0	90.40	359.56	10,350.3	4,519.2	384.4	4,516.1	0.00	0.00	0.00
15,700.0	90.40	359.56	10,349.6	4,619.2	383.6	4,616.1	0.00	0.00	0.00
15,800.0	90.40	359.56	10,348.9	4,719.2	382.9	4,716.1	0.00	0.00	0.00
15,900.0	90.40	359.56	10,348.2	4,819.2	382.1	4,816.1	0.00	0.00	0.00
16,000.0	90.40	359.56	10,347.5	4,919.2	381.3	4,916.1	0.00	0.00	0.00
16,100.0	90.40	359.56	10,346.8	5,019.2	380.6	5,016.1	0.00	0.00	0.00
16,200.0	90.40	359.56	10,346.1	5,119.2	379.8	5,116.1	0.00	0.00	0.00
16,300.0	90.40	359.56	10,345.4	5,219.2	379.0	5,216.1	0.00	0.00	0.00
16,400.0	90.40	359.56	10,344.7	5,319.2	378.3	5,316.1	0.00	0.00	0.00
16,500.0	90.40	359.56	10,344.0	5,419.2	377.5	5,416.1	0.00	0.00	0.00
16,600.0	90.40	359.56	10,343.3	5,519.2	376.7	5,516.1	0.00	0.00	0.00
16,700.0	90.40	359.56	10,342.6	5,619.2	376.0	5,616.1	0.00	0.00	0.00
16,800.0	90.40	359.56	10,341.9	5,719.2	375.2	5,716.1	0.00	0.00	0.00
16,900.0	90.40	359.56	10,341.2	5,819.2	374.4	5,816.1	0.00	0.00	0.00
17,000.0	90.40	359.56	10,340.5	5,919.2	373.7	5,916.1	0.00	0.00	0.00
17,100.0	90.40	359.56	10,339.8	6,019.1	372.9	6,016.1	0.00	0.00	0.00
17,200.0	90.40	359.56	10,339.1	6,119.1	372.1	6,116.1	0.00	0.00	0.00
17,300.0	90.40	359.56	10,338.4	6,219.1	371.4	6,216.1	0.00	0.00	0.00
17,400.0	90.40	359.56	10,337.7	6,319.1	370.6	6,316.1	0.00	0.00	0.00
17,500.0	90.40	359.56	10,337.0	6,419.1	369.8	6,416.1	0.00	0.00	0.00
17,600.0	90.40	359.56	10,336.3	6,519.1	369.1	6,516.1	0.00	0.00	0.00
17,700.0	90.40	359.56	10,335.6	6,619.1	368.3	6,616.1	0.00	0.00	0.00
17,800.0	90.40	359.56	10,334.9	6,719.1	367.5	6,716.1	0.00	0.00	0.00
17,900.0	90.40	359.56	10,334.2	6,819.1	366.8	6,816.1	0.00	0.00	0.00
18,000.0	90.40	359.56	10,333.5	6,919.1	366.0	6,916.1	0.00	0.00	0.00
18,100.0	90.40	359.56	10,332.8	7,019.1	365.2	7,016.1	0.00	0.00	0.00
18,200.0	90.40	359.56	10,332.1	7,119.1	364.5	7,116.1	0.00	0.00	0.00
18,300.0	90.40	359.56	10,331.4	7,219.1	363.7	7,216.1	0.00	0.00	0.00
18,400.0	90.40	359.56	10,330.7	7,319.1	362.9	7,316.1	0.00	0.00	0.00
18,500.0	90.40	359.56	10,330.0	7,419.1	362.1	7,416.1	0.00	0.00	0.00
18,600.0	90.40	359.56	10,329.3	7,519.1	361.4	7,516.1	0.00	0.00	0.00
18,700.0	90.40	359.56	10,328.6	7,619.1	360.6	7,616.1	0.00	0.00	0.00



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Site: (Prometheus State) Sec-22_T-24-S_R-34-E
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Local Co-ordinate Reference: Well Prometheus State Com #144H
TVD Reference: KB @ 3578.0usft
MD Reference: KB @ 3578.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
18,800.0	90.40	359.56	10,327.9	7,719.1	359.8	7,716.1	0.00	0.00	0.00
18,900.0	90.40	359.56	10,327.2	7,819.0	359.1	7,816.1	0.00	0.00	0.00
19,000.0	90.40	359.56	10,326.5	7,919.0	358.3	7,916.1	0.00	0.00	0.00
19,100.0	90.40	359.56	10,325.8	8,019.0	357.5	8,016.1	0.00	0.00	0.00
19,200.0	90.40	359.56	10,325.1	8,119.0	356.8	8,116.1	0.00	0.00	0.00
19,300.0	90.40	359.56	10,324.4	8,219.0	356.0	8,216.0	0.00	0.00	0.00
19,400.0	90.40	359.56	10,323.8	8,319.0	355.2	8,316.0	0.00	0.00	0.00
19,500.0	90.40	359.56	10,323.1	8,419.0	354.5	8,416.0	0.00	0.00	0.00
19,600.0	90.40	359.56	10,322.4	8,519.0	353.7	8,516.0	0.00	0.00	0.00
19,700.0	90.40	359.56	10,321.7	8,619.0	352.9	8,616.0	0.00	0.00	0.00
19,800.0	90.40	359.56	10,321.0	8,719.0	352.2	8,716.0	0.00	0.00	0.00
19,884.0	90.40	359.56	10,320.4	8,803.0	351.5	8,800.0	0.00	0.00	0.00
Start DLS 2.00 TFO -89.98									
19,900.0	90.40	359.24	10,320.3	8,819.0	351.4	8,816.0	2.00	0.00	-2.00
20,000.0	90.40	357.24	10,319.6	8,918.9	348.3	8,916.0	2.00	0.00	-2.00
20,100.0	90.40	355.24	10,318.9	9,018.7	341.7	9,015.8	2.00	0.00	-2.00
20,112.0	90.40	355.00	10,318.8	9,030.6	340.7	9,027.8	2.00	0.00	-2.00
Start 200.0 hold at 20112.0 MD									
20,200.0	90.40	355.00	10,318.2	9,118.3	333.0	9,115.5	0.00	0.00	0.00
20,300.0	90.40	355.00	10,317.5	9,218.0	324.3	9,215.2	0.00	0.00	0.00
20,312.0	90.40	355.00	10,317.4	9,229.9	323.3	9,227.1	0.00	0.00	0.00
Start Turn 2.00									
20,400.0	90.40	356.76	10,316.8	9,317.7	316.9	9,315.0	2.00	0.00	2.00
20,500.0	90.40	358.76	10,316.1	9,417.6	313.0	9,414.9	2.00	0.00	2.00
20,540.0	90.40	359.56	10,315.8	9,457.5	312.5	9,454.9	2.00	0.00	2.00
Start 245.2 hold at 20540.0 MD									
20,600.0	90.40	359.56	10,315.4	9,517.6	312.0	9,514.9	0.00	0.00	0.00
20,700.0	90.40	359.56	10,314.7	9,617.6	311.2	9,614.9	0.00	0.00	0.00
20,785.2	90.40	359.56	10,314.1	9,702.7	310.6	9,700.1	0.00	0.00	0.00
TD at 20785.2									

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 State)	-0.40	359.56	10,314.4	9,703.0	345.0	446,381.00	782,017.00	32° 13' 29.213 N	103° 33' 18.085 W
- plan misses target center by 34.4usft at 20785.2usft MD (10314.1 TVD, 9702.7 N, 310.6 E)									
- Rectangle (sides W100.0 H7,200.0 D30.0)									
LTP (Prometheus State)	0.00	0.01	10,314.4	9,633.0	345.0	446,311.00	782,017.00	32° 13' 28.520 N	103° 33' 18.091 W
- plan misses target center by 37.1usft at 20700.0usft MD (10314.7 TVD, 9617.6 N, 311.2 E)									
- Point									
T1 (Prometheus State)	-1.20	359.56	10,364.6	2,503.1	399.9	439,181.10	782,071.90	32° 12' 17.965 N	103° 33' 18.053 W
- plan hits target center									
- Rectangle (sides W100.0 H3,223.0 D30.0)									
FTP (Prometheus State)	0.00	0.00	10,575.0	-720.0	425.0	435,958.00	782,097.00	32° 11' 46.070 N	103° 33' 18.032 W
- plan misses target center by 300.2usft at 10500.0usft MD (10330.0 TVD, -557.2 N, 485.0 E)									
- Point									



Intrepid Planning Report



Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well Prometheus State Com #144H
Company:	Tap Rock Resources, LLC	TVD Reference:	KB @ 3578.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB @ 3578.0usft
Site:	(Promethus State) Sec-22_T-24-S_R-34-E	North Reference:	Grid
Well:	Prometheus State Com #144H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	Plan #3		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,066.0	1,066.0	Rustler Anhydrite				
1,499.1	1,499.0	Top Salt				
4,900.6	4,828.0	Base Salt				
5,157.2	5,078.0	Delaware Mountain Gp				
5,164.4	5,085.0	Lamar				
5,187.0	5,107.0	Bell Canyon				
5,202.3	5,122.0	Ramsey Sand				
6,461.2	6,366.0	Cherry Canyon				
7,745.3	7,650.0	Brushy Canyon				
9,268.3	9,173.0	Bone Spring Lime				
9,355.3	9,260.0	Upper Avalon				
9,621.3	9,526.0	Middle Avalon				
9,957.3	9,862.0	Lower Avalon				
10,259.2	10,153.0	1st Bone Spring Sand				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
1,200.0	1,200.0	0.0	0.0	NUDGE - Build 1.00	
2,499.6	2,488.5	-122.5	80.9	HOLD - 2851.0 at 2499.6 MD	
5,350.6	5,266.5	-657.5	434.1	DROP - -1.00	
6,650.3	6,555.0	-780.0	515.0	HOLD - 3346.5 at 6650.3 MD	
9,996.8	9,901.5	-780.0	515.0	KOP - Build 11.00	
10,604.2	10,380.3	-467.0	472.8	Enter corridor at 10604.2MD, 66.8°INC	
10,825.9	10,422.3	-253.0	443.9	EOC/TRN - DLS 2.00 TFO 89.95	
11,187.7	10,414.7	107.7	418.3	Start 2396.0 hold at 11187.7 MD	
13,583.8	10,364.6	2,503.1	399.9	Start DLS 2.00 TFO 179.94	
13,623.6	10,364.1	2,542.9	399.6	Start 6260.4 hold at 13623.6 MD	
19,884.0	10,320.4	8,803.0	351.5	Start DLS 2.00 TFO -89.98	
20,112.0	10,318.8	9,030.6	340.7	Start 200.0 hold at 20112.0 MD	
20,312.0	10,317.4	9,229.9	323.3	Start Turn 2.00	
20,540.0	10,315.8	9,457.5	312.5	Start 245.2 hold at 20540.0 MD	
20,785.2	10,314.1	9,702.7	310.6	TD at 20785.2	

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

CONDITIONS

Action 106272

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 106272
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	5/19/2022