

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. 30-025-48665
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Hyperion State
8. Well Number 151H
9. OGRID Number 372043
10. Pool name or Wildcat [96674] TRIPLE; BONE SPRING, WEST
4. Well Location Unit Letter <u>D</u> : <u>497</u> feet from the <u>North</u> line and <u>645</u> feet from the <u>West</u> line Section <u>20</u> Township <u>24S</u> Range <u>33E</u> NMPM County <u>Lea</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3539 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 M-20-24S-33E, 30' FSL 840' FWL, Lea County, NM. Lat: 32.1959971, Long: -103.6001453
2. The option to drill a 7-7/8" curve and lateral. If the hole size is increased from 6-3/4" to 7-7/8", cement volumes will be adjusted appropriately.

See attached updated C-102, casing table and directional 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 7/12/2022

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
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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 30-025-48665	² Pool Code 96674	³ Pool Name TRIPLE X;BONE SPRING, WEST
⁴ Property Code 325410	⁵ Property Name HYPERION STATE	⁶ Well Number 151H
⁷ OGRID No. #372043	⁸ Operator Name TAP ROCK OPERATING, LLC.	⁹ Elevation 3540'

¹⁰Surface Location

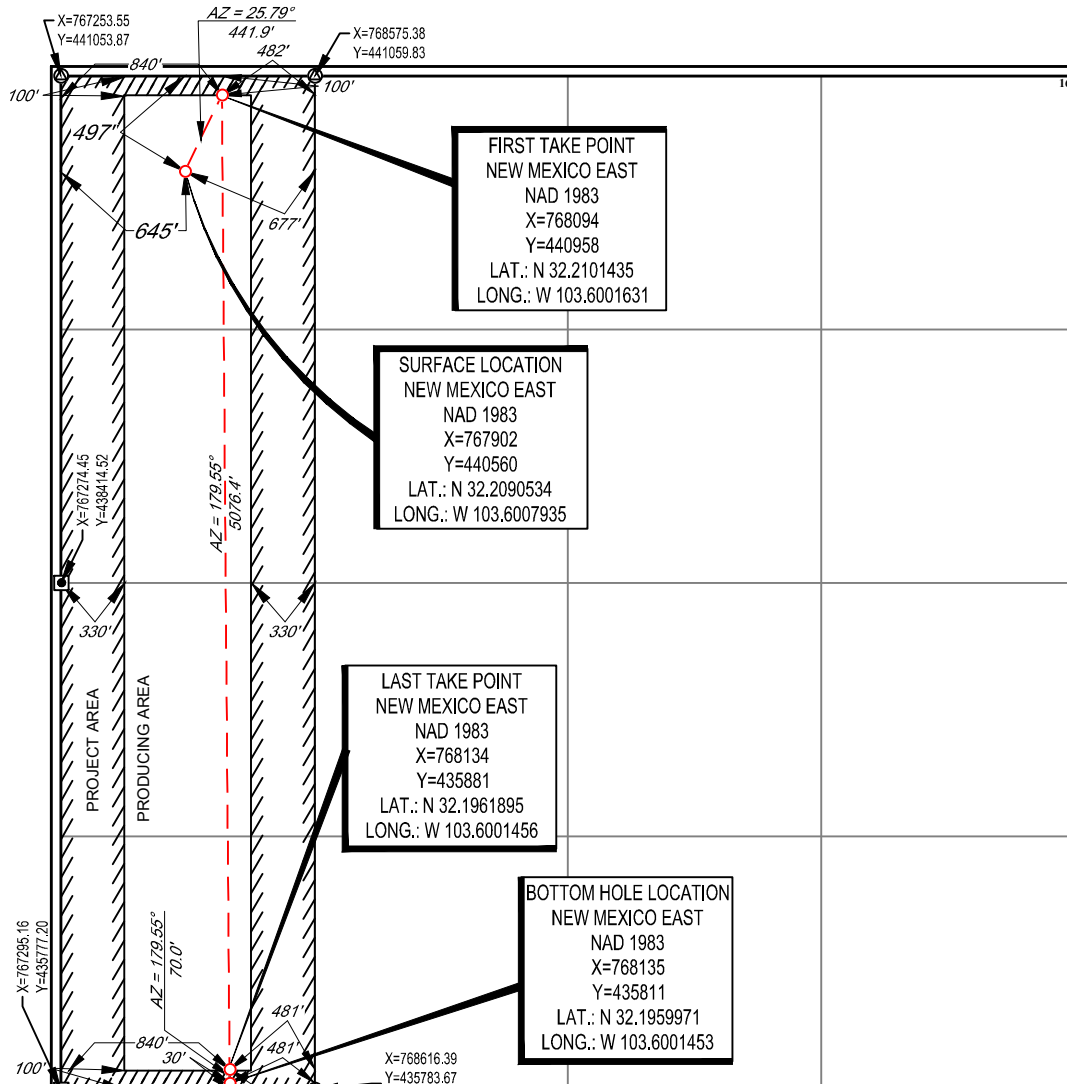
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	20	24-S	33-E	-	497'	NORTH	645'	WEST	LEA

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
M	20	24-S	33-E	-	30'	SOUTH	840'	WEST	LEA

¹² Dedicated Acres 160	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]

7/12/2022

Date

Jeff Trlica

Printed Name

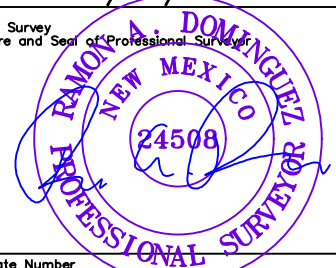
jtrlica@taprk.com

E-mail Address

¹⁸SURVEYOR CERTIFICATION

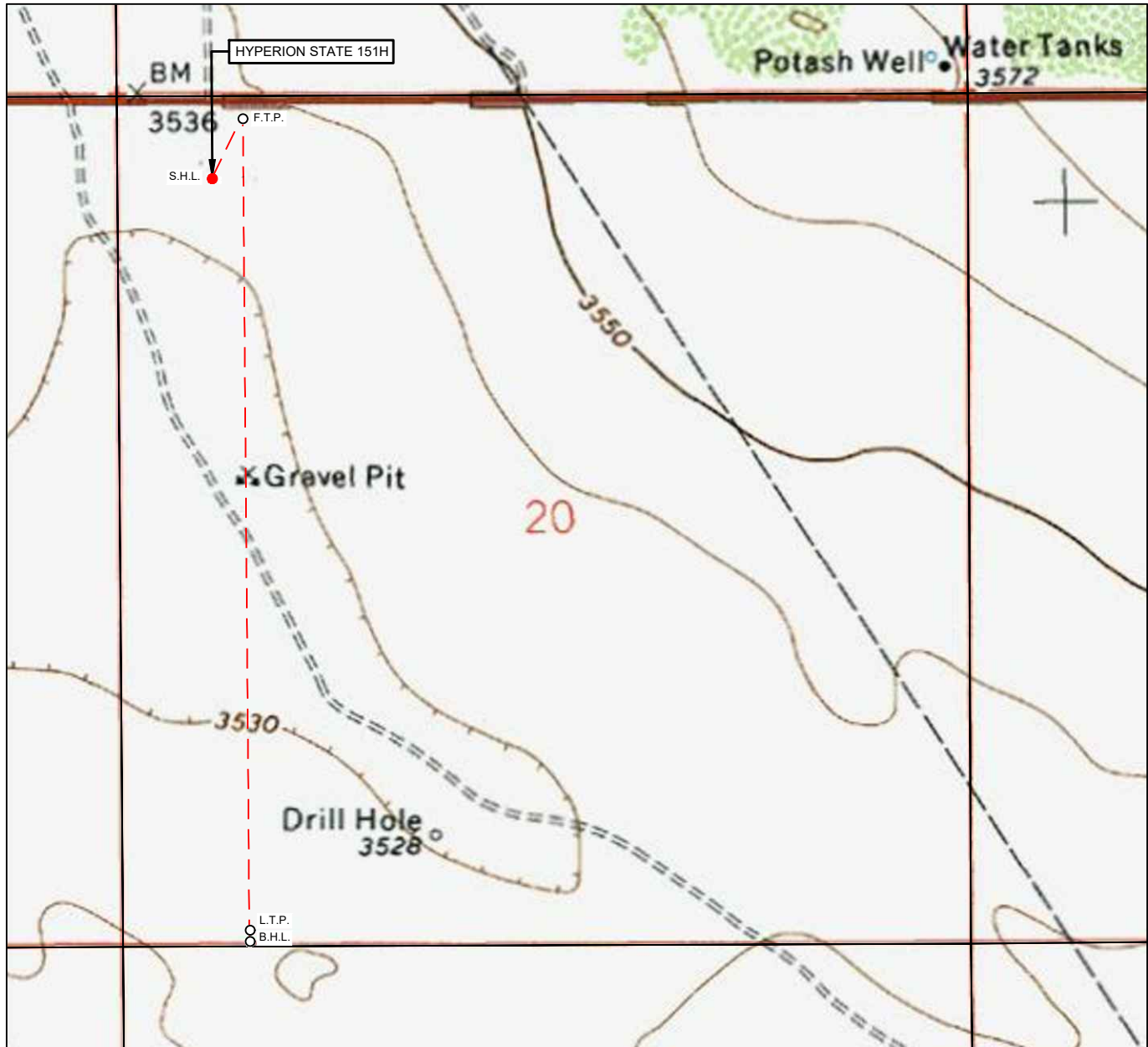
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.

06/16/2022

Date of Survey
Signature and Seal of Professional Surveyor

Certificate Number

LOCATION & ELEVATION VERIFICATION MAP

LEASE NAME & WELL NO.: HYPERION STATE 151H

SECTION 20 TWP 24-S RGE 33-E SURVEY N.M.P.M.
 COUNTY LEA STATE NM ELEVATION 3540'
 DESCRIPTION 497' FNL & 645' FWL

LATITUDE N 32.2090534 LONGITUDE W 103.6007935

SCALE: 1" = 1000'

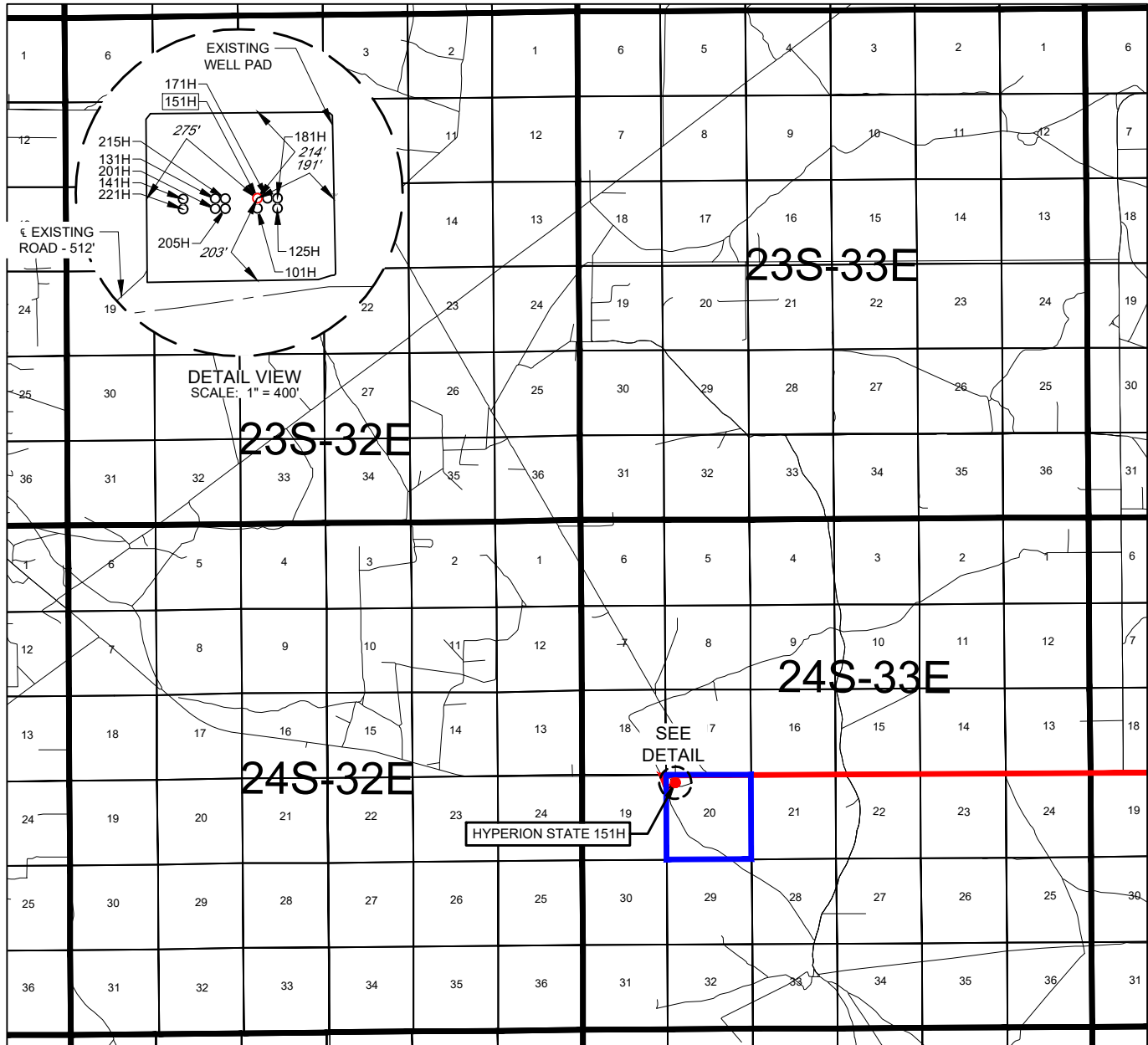
0' 500' 1000'

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.



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 MAP

LEASE NAME & WELL NO.: _____ HYPERION STATE 151H

SECTION 20 TWP 24-S RGE 33-E SURVEY N.M.P.M.

COUNTY _____ LEA _____ STATE _____ NM

DESCRIPTION _____ 497' FNL & 645' FWL

DISTANCE & DIRECTION

FROM INT. OF NM-128 & DELAWARE BASIN RD., GO WEST ON
 NM-128 ±5.4 MILES, THENCE SOUTH (LEFT) ON A LEASE RD. ±0.2
 MILES, THENCE NORTHEAST (LEFT) AN EXISTING RD. ±512 FEET TO
 A POINT ±326 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.



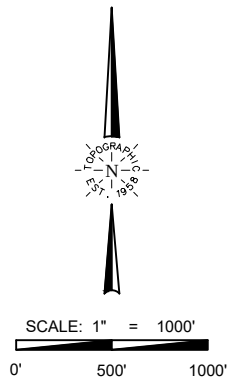
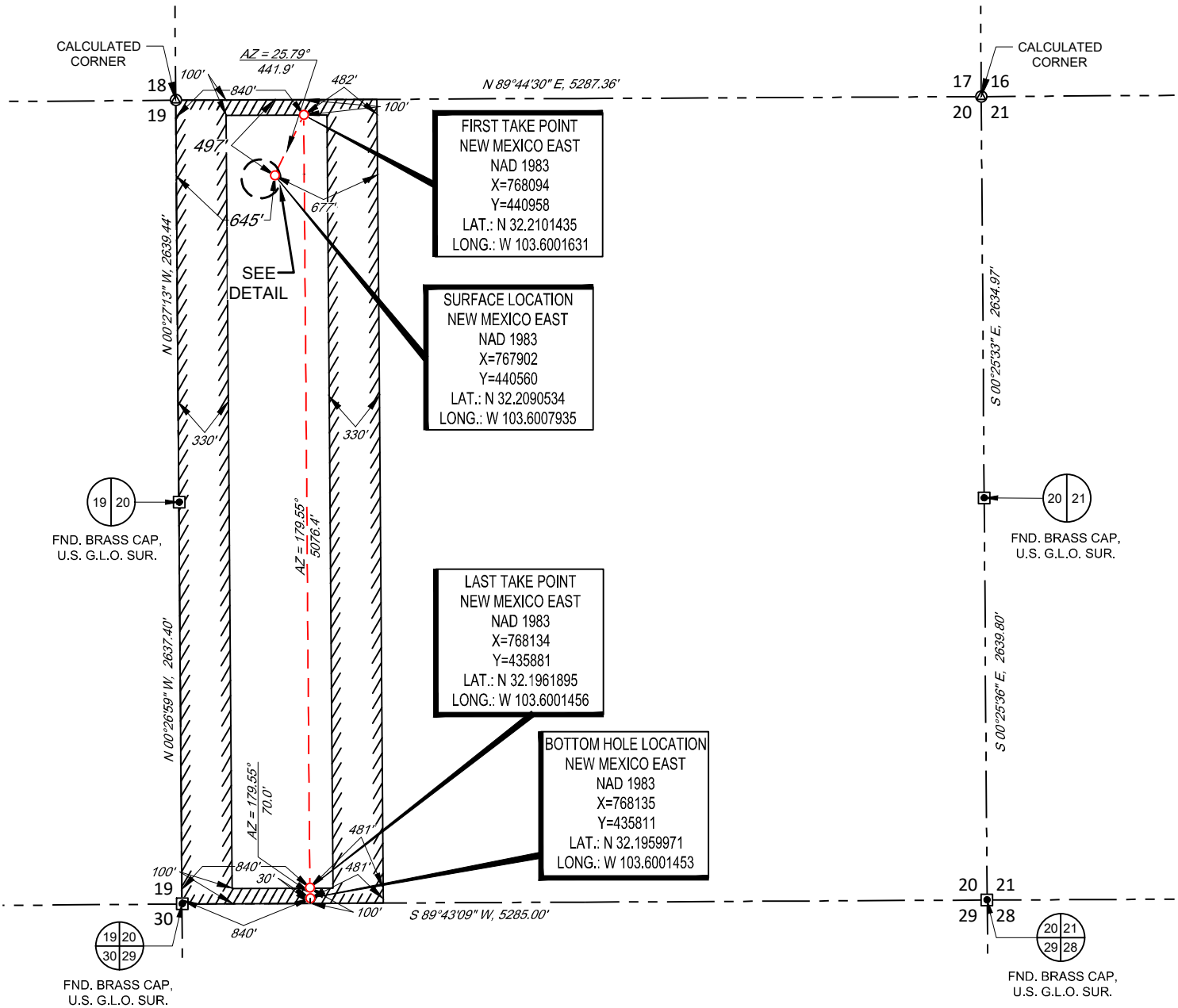
SCALE: 1" = 10000'
 0' 5000' 10000'



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TAP
ROCK
EXHIBIT 2A

SECTION 20, TOWNSHIP 24-S, RANGE 33-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



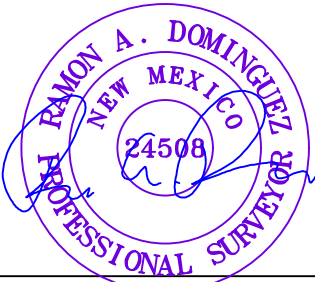
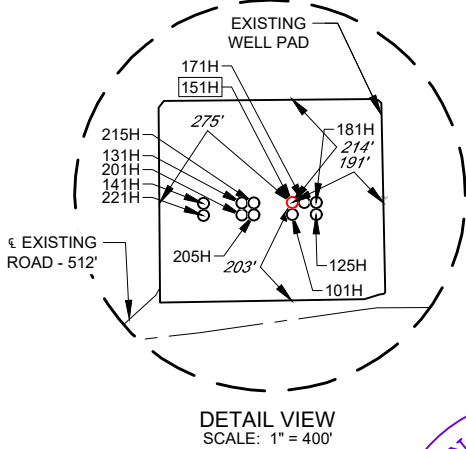
LEASE NAME & WELL NO.: HYPERION STATE 151H

SECTION 20 TWP 24-S RGE 33-E SURVEY N.M.P.M.
COUNTY LEA STATE NM
DESCRIPTION 497' FNL & 645' FWL

DISTANCE & DIRECTION
FROM INT. OF NM-128 & DELAWARE BASIN RD., GO WEST ON NM-128
±5.4 MILES, THENCE SOUTH (LEFT) ON A LEASE RD. ±0.2 MILES,
THENCE NORTHEAST (LEFT) AN EXISTING RD. ±512 FEET TO A
POINT ±326 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
June 21, 2021

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
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WWW.TOPOGRAPHIC.COM

EXHIBIT 2B

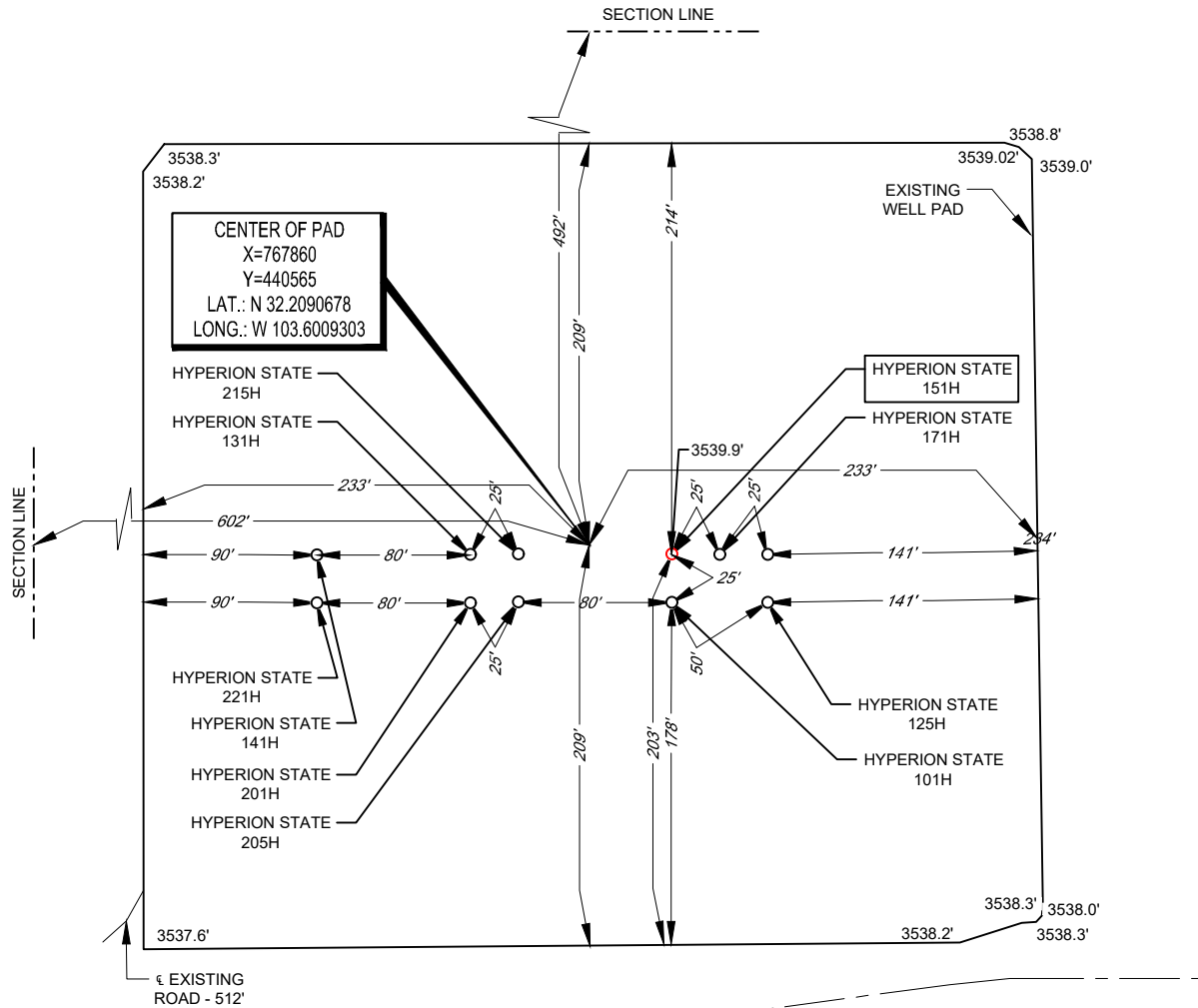


SECTION 20, TOWNSHIP 24-S, RANGE 33-E, N.M.P.M.
LEA COUNTY, NEW MEXICO

LEGEND

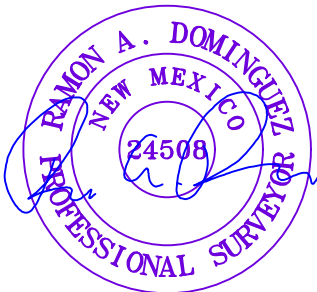
----- SECTION LINE
----- PROPOSED ROAD

DETAIL VIEW
SCALE: 1" = 100'



LEASE NAME & WELL NO.: HYPERION STATE 151H
151H LATITUDE N 32.2090534 151H LONGITUDE W 103.6007935

CENTER OF PAD IS 492' FNL & 602' FWL

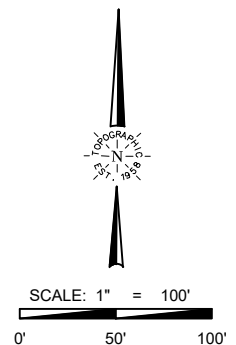


Ramon A. Dominguez, P.S. No. 24508

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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Hyperion State 151H

Interval	Hole Size	Casing OD	Casing Weight	Casing Grade	Set Depth	Sacks of Cement	Planned TOC	Mud Type
Surface	17.5	13.375	54.5	J-55	1200	998	0	Fresh Water
Intermediate	12.25	9.625	40	J-55	5125	1149	0	Brine
Production	8.75	5.5	20	P-110	11059	1202	4925	Cut Brine
	6.75	5.5	20	P-110	16593			

Tap Rock also requests the option to drill a 7-7/8" curve and lateral. If the hole size is increased from 6-3/4" to 7-7/8", cement volumes will be adjusted appropriately.

will be adjusted appropriately.



Tap Rock Resources, LLC

**Lea County, NM (NAD 83 NME)
(Hyperion) Sec-20_T-24-S_R-33-E
Hyperion State #151H**

OWB

Plan: Plan #1

Standard Planning Report

05 July, 2022





Intrepid Planning Report



Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well Hyperion State #151H
Company:	Tap Rock Resources, LLC	TVD Reference:	KB @ 3566.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB @ 3566.0usft
Site:	(Hyperion) Sec-20_T-24-S_R-33-E	North Reference:	Grid
Well:	Hyperion State #151H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	Plan #1		

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	(Hyperion) Sec-20_T-24-S_R-33-E		
Site Position:	Northing:	440,505.00 usft	Latitude: 32° 12' 32.058 N
From: Map	Easting:	767,798.00 usft	Longitude: 103° 36' 4.072 W
Position Uncertainty: 0.0 usft	Slot Radius: 13-3/16 "		Grid Convergence: 0.39 °

Well	Hyperion State #151H		
Well Position	+N/-S 55.0 usft	Northing: 440,560.00 usft	Latitude: 32° 12' 32.595 N
	+E/-W 104.0 usft	Easting: 767,902.00 usft	Longitude: 103° 36' 2.857 W
Position Uncertainty 0.0 usft	Wellhead Elevation:		Ground Level: 3,540.0 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	03/05/21	6.56	59.99	47,543.58566671

Design	Plan #1			
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	179.55

Plan Survey Tool Program	Date 07/05/22			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	5,300.0 Plan #1 (OWB)	GYD_GC+DROP+OH	Gyrodata Stationary Tool dro
2	5,300.0	16,592.8 Plan #1 (OWB)	MWD	OWSG MWD - Standard



Intrepid Planning Report



Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well Hyperion State #151H
Company:	Tap Rock Resources, LLC	TVD Reference:	KB @ 3566.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB @ 3566.0usft
Site:	(Hyperion) Sec-20_T-24-S_R-33-E	North Reference:	Grid
Well:	Hyperion State #151H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	Plan #1		

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	
1,999.8	5.00	6.63	1,999.2	21.6	2.5	1.00	1.00	0.00	6.63	
6,468.4	5.00	6.63	6,450.8	408.4	47.5	0.00	0.00	0.00	0.00	
6,968.3	0.00	0.00	6,950.0	430.0	50.0	1.00	-1.00	0.00	180.00	
11,059.3	0.00	0.00	11,041.0	430.0	50.0	0.00	0.00	0.00	0.00	
11,559.3	50.00	157.90	11,479.9	240.4	127.0	10.00	10.00	0.00	157.90	
12,005.3	90.00	179.55	11,631.0	-161.4	196.6	10.00	8.97	4.85	31.69	
16,593.0	90.00	179.55	11,631.0	-4,749.0	233.0	0.00	0.00	0.00	0.00	PBHL (Hyperion Sta



Intrepid Planning Report



Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well Hyperion State #151H
Company:	Tap Rock Resources, LLC	TVD Reference:	KB @ 3566.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB @ 3566.0usft
Site:	(Hyperion) Sec-20_T-24-S_R-33-E	North Reference:	Grid
Well:	Hyperion State #151H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
NUDGE - Build 1.00									
1,600.0	1.00	6.63	1,600.0	0.9	0.1	-0.9	1.00	1.00	0.00
1,700.0	2.00	6.63	1,700.0	3.5	0.4	-3.5	1.00	1.00	0.00
1,800.0	3.00	6.63	1,799.9	7.8	0.9	-7.8	1.00	1.00	0.00
1,900.0	4.00	6.63	1,899.7	13.9	1.6	-13.9	1.00	1.00	0.00
1,999.8	5.00	6.63	1,999.2	21.6	2.5	-21.6	1.00	1.00	0.00
HOLD - 4468.6 at 1999.8 MD									
2,100.0	5.00	6.63	2,099.0	30.3	3.5	-30.3	0.00	0.00	0.00
2,200.0	5.00	6.63	2,198.6	39.0	4.5	-38.9	0.00	0.00	0.00
2,300.0	5.00	6.63	2,298.2	47.6	5.5	-47.6	0.00	0.00	0.00
2,400.0	5.00	6.63	2,397.8	56.3	6.5	-56.2	0.00	0.00	0.00
2,500.0	5.00	6.63	2,497.5	64.9	7.5	-64.9	0.00	0.00	0.00
2,600.0	5.00	6.63	2,597.1	73.6	8.6	-73.5	0.00	0.00	0.00
2,700.0	5.00	6.63	2,696.7	82.2	9.6	-82.2	0.00	0.00	0.00
2,800.0	5.00	6.63	2,796.3	90.9	10.6	-90.8	0.00	0.00	0.00
2,900.0	5.00	6.63	2,895.9	99.5	11.6	-99.4	0.00	0.00	0.00
3,000.0	5.00	6.63	2,995.6	108.2	12.6	-108.1	0.00	0.00	0.00
3,100.0	5.00	6.63	3,095.2	116.9	13.6	-116.7	0.00	0.00	0.00
3,200.0	5.00	6.63	3,194.8	125.5	14.6	-125.4	0.00	0.00	0.00
3,300.0	5.00	6.63	3,294.4	134.2	15.6	-134.0	0.00	0.00	0.00
3,400.0	5.00	6.63	3,394.0	142.8	16.6	-142.7	0.00	0.00	0.00
3,500.0	5.00	6.63	3,493.7	151.5	17.6	-151.3	0.00	0.00	0.00
3,600.0	5.00	6.63	3,593.3	160.1	18.6	-160.0	0.00	0.00	0.00
3,700.0	5.00	6.63	3,692.9	168.8	19.6	-168.6	0.00	0.00	0.00
3,800.0	5.00	6.63	3,792.5	177.4	20.6	-177.3	0.00	0.00	0.00
3,900.0	5.00	6.63	3,892.1	186.1	21.6	-185.9	0.00	0.00	0.00
4,000.0	5.00	6.63	3,991.8	194.7	22.6	-194.6	0.00	0.00	0.00
4,100.0	5.00	6.63	4,091.4	203.4	23.7	-203.2	0.00	0.00	0.00
4,200.0	5.00	6.63	4,191.0	212.0	24.7	-211.8	0.00	0.00	0.00
4,300.0	5.00	6.63	4,290.6	220.7	25.7	-220.5	0.00	0.00	0.00
4,400.0	5.00	6.63	4,390.2	229.4	26.7	-229.1	0.00	0.00	0.00
4,500.0	5.00	6.63	4,489.9	238.0	27.7	-237.8	0.00	0.00	0.00
4,600.0	5.00	6.63	4,589.5	246.7	28.7	-246.4	0.00	0.00	0.00
4,700.0	5.00	6.63	4,689.1	255.3	29.7	-255.1	0.00	0.00	0.00
4,800.0	5.00	6.63	4,788.7	264.0	30.7	-263.7	0.00	0.00	0.00
4,900.0	5.00	6.63	4,888.3	272.6	31.7	-272.4	0.00	0.00	0.00
5,000.0	5.00	6.63	4,988.0	281.3	32.7	-281.0	0.00	0.00	0.00
5,100.0	5.00	6.63	5,087.6	289.9	33.7	-289.7	0.00	0.00	0.00



Intrepid Planning Report



Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well Hyperion State #151H
Company:	Tap Rock Resources, LLC	TVD Reference:	KB @ 3566.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB @ 3566.0usft
Site:	(Hyperion) Sec-20_T-24-S_R-33-E	North Reference:	Grid
Well:	Hyperion State #151H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,200.0	5.00	6.63	5,187.2	298.6	34.7	-298.3	0.00	0.00	0.00
5,300.0	5.00	6.63	5,286.8	307.2	35.7	-307.0	0.00	0.00	0.00
5,400.0	5.00	6.63	5,386.4	315.9	36.7	-315.6	0.00	0.00	0.00
5,500.0	5.00	6.63	5,486.1	324.5	37.7	-324.2	0.00	0.00	0.00
5,600.0	5.00	6.63	5,585.7	333.2	38.7	-332.9	0.00	0.00	0.00
5,700.0	5.00	6.63	5,685.3	341.9	39.8	-341.5	0.00	0.00	0.00
5,800.0	5.00	6.63	5,784.9	350.5	40.8	-350.2	0.00	0.00	0.00
5,900.0	5.00	6.63	5,884.5	359.2	41.8	-358.8	0.00	0.00	0.00
6,000.0	5.00	6.63	5,984.2	367.8	42.8	-367.5	0.00	0.00	0.00
6,100.0	5.00	6.63	6,083.8	376.5	43.8	-376.1	0.00	0.00	0.00
6,200.0	5.00	6.63	6,183.4	385.1	44.8	-384.8	0.00	0.00	0.00
6,300.0	5.00	6.63	6,283.0	393.8	45.8	-393.4	0.00	0.00	0.00
6,400.0	5.00	6.63	6,382.6	402.4	46.8	-402.1	0.00	0.00	0.00
6,468.4	5.00	6.63	6,450.8	408.4	47.5	-408.0	0.00	0.00	0.00
DROP - Drop -1.00									
6,500.0	4.68	6.63	6,482.3	411.0	47.8	-410.6	1.00	-1.00	0.00
6,600.0	3.68	6.63	6,582.0	418.2	48.6	-417.9	1.00	-1.00	0.00
6,700.0	2.68	6.63	6,681.8	423.8	49.3	-423.4	1.00	-1.00	0.00
6,800.0	1.68	6.63	6,781.8	427.5	49.7	-427.1	1.00	-1.00	0.00
6,900.0	0.68	6.63	6,881.7	429.6	50.0	-429.2	1.00	-1.00	0.00
6,968.3	0.00	0.00	6,950.0	430.0	50.0	-429.6	1.00	-1.00	0.00
HOLD - 4091.0 at 6968.3 MD									
7,000.0	0.00	0.00	6,981.7	430.0	50.0	-429.6	0.00	0.00	0.00
7,100.0	0.00	0.00	7,081.7	430.0	50.0	-429.6	0.00	0.00	0.00
7,200.0	0.00	0.00	7,181.7	430.0	50.0	-429.6	0.00	0.00	0.00
7,300.0	0.00	0.00	7,281.7	430.0	50.0	-429.6	0.00	0.00	0.00
7,400.0	0.00	0.00	7,381.7	430.0	50.0	-429.6	0.00	0.00	0.00
7,500.0	0.00	0.00	7,481.7	430.0	50.0	-429.6	0.00	0.00	0.00
7,600.0	0.00	0.00	7,581.7	430.0	50.0	-429.6	0.00	0.00	0.00
7,700.0	0.00	0.00	7,681.7	430.0	50.0	-429.6	0.00	0.00	0.00
7,800.0	0.00	0.00	7,781.7	430.0	50.0	-429.6	0.00	0.00	0.00
7,900.0	0.00	0.00	7,881.7	430.0	50.0	-429.6	0.00	0.00	0.00
8,000.0	0.00	0.00	7,981.7	430.0	50.0	-429.6	0.00	0.00	0.00
8,100.0	0.00	0.00	8,081.7	430.0	50.0	-429.6	0.00	0.00	0.00
8,200.0	0.00	0.00	8,181.7	430.0	50.0	-429.6	0.00	0.00	0.00
8,300.0	0.00	0.00	8,281.7	430.0	50.0	-429.6	0.00	0.00	0.00
8,400.0	0.00	0.00	8,381.7	430.0	50.0	-429.6	0.00	0.00	0.00
8,500.0	0.00	0.00	8,481.7	430.0	50.0	-429.6	0.00	0.00	0.00
8,600.0	0.00	0.00	8,581.7	430.0	50.0	-429.6	0.00	0.00	0.00
8,700.0	0.00	0.00	8,681.7	430.0	50.0	-429.6	0.00	0.00	0.00
8,800.0	0.00	0.00	8,781.7	430.0	50.0	-429.6	0.00	0.00	0.00
8,900.0	0.00	0.00	8,881.7	430.0	50.0	-429.6	0.00	0.00	0.00
9,000.0	0.00	0.00	8,981.7	430.0	50.0	-429.6	0.00	0.00	0.00
9,100.0	0.00	0.00	9,081.7	430.0	50.0	-429.6	0.00	0.00	0.00
9,200.0	0.00	0.00	9,181.7	430.0	50.0	-429.6	0.00	0.00	0.00
9,300.0	0.00	0.00	9,281.7	430.0	50.0	-429.6	0.00	0.00	0.00
9,400.0	0.00	0.00	9,381.7	430.0	50.0	-429.6	0.00	0.00	0.00
9,500.0	0.00	0.00	9,481.7	430.0	50.0	-429.6	0.00	0.00	0.00
9,600.0	0.00	0.00	9,581.7	430.0	50.0	-429.6	0.00	0.00	0.00
9,700.0	0.00	0.00	9,681.7	430.0	50.0	-429.6	0.00	0.00	0.00
9,800.0	0.00	0.00	9,781.7	430.0	50.0	-429.6	0.00	0.00	0.00
9,900.0	0.00	0.00	9,881.7	430.0	50.0	-429.6	0.00	0.00	0.00
10,000.0	0.00	0.00	9,981.7	430.0	50.0	-429.6	0.00	0.00	0.00
10,100.0	0.00	0.00	10,081.7	430.0	50.0	-429.6	0.00	0.00	0.00



Intrepid Planning Report



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Company:	Tap Rock Resources, LLC	TVD Reference:	KB @ 3566.0usft
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Well:	Hyperion State #151H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,200.0	0.00	0.00	10,181.7	430.0	50.0	-429.6	0.00	0.00	0.00
10,300.0	0.00	0.00	10,281.7	430.0	50.0	-429.6	0.00	0.00	0.00
10,400.0	0.00	0.00	10,381.7	430.0	50.0	-429.6	0.00	0.00	0.00
10,500.0	0.00	0.00	10,481.7	430.0	50.0	-429.6	0.00	0.00	0.00
10,600.0	0.00	0.00	10,581.7	430.0	50.0	-429.6	0.00	0.00	0.00
10,700.0	0.00	0.00	10,681.7	430.0	50.0	-429.6	0.00	0.00	0.00
10,800.0	0.00	0.00	10,781.7	430.0	50.0	-429.6	0.00	0.00	0.00
10,900.0	0.00	0.00	10,881.7	430.0	50.0	-429.6	0.00	0.00	0.00
11,000.0	0.00	0.00	10,981.7	430.0	50.0	-429.6	0.00	0.00	0.00
11,059.3	0.00	0.00	11,041.0	430.0	50.0	-429.6	0.00	0.00	0.00
KOP - Build 10.00									
11,100.0	4.07	157.90	11,081.7	428.7	50.5	-428.2	10.00	10.00	0.00
11,150.0	9.07	157.90	11,131.4	423.4	52.7	-422.9	10.00	10.00	0.00
11,200.0	14.07	157.90	11,180.3	414.1	56.5	-413.6	10.00	10.00	0.00
11,250.0	19.07	157.90	11,228.2	400.9	61.8	-400.4	10.00	10.00	0.00
11,300.0	24.07	157.90	11,274.7	383.8	68.7	-383.3	10.00	10.00	0.00
11,350.0	29.07	157.90	11,319.4	363.1	77.2	-362.5	10.00	10.00	0.00
11,400.0	34.07	157.90	11,362.0	338.9	87.0	-338.2	10.00	10.00	0.00
11,450.0	39.07	157.90	11,402.1	311.3	98.2	-310.5	10.00	10.00	0.00
11,500.0	44.07	157.90	11,439.5	280.5	110.7	-279.7	10.00	10.00	0.00
11,550.0	49.07	157.90	11,473.9	246.9	124.4	-245.9	10.00	10.00	0.00
11,559.3	50.00	157.90	11,479.9	240.4	127.0	-239.4	10.00	10.00	0.00
BLD/TRN - DLS 10.00 TFO 31.69									
11,600.0	53.50	160.56	11,505.1	210.5	138.3	-209.4	10.00	8.59	6.53
11,650.0	57.86	163.51	11,533.3	171.2	151.0	-170.0	10.00	8.73	5.91
11,700.0	62.29	166.20	11,558.3	129.4	162.3	-128.1	10.00	8.86	5.36
11,750.0	66.77	168.67	11,579.8	85.3	172.1	-84.0	10.00	8.95	4.94
11,800.0	71.28	170.98	11,597.7	39.4	180.4	-38.0	10.00	9.02	4.62
11,850.0	75.82	173.17	11,611.8	-8.1	187.0	9.6	10.00	9.08	4.38
11,900.0	80.37	175.27	11,622.1	-56.8	191.9	58.3	10.00	9.11	4.21
11,950.0	84.94	177.32	11,628.5	-106.2	195.1	107.8	10.00	9.14	4.09
12,000.0	89.52	179.33	11,630.9	-156.1	196.5	157.7	10.00	9.15	4.04
12,005.3	90.00	179.55	11,631.0	-161.4	196.6	162.9	10.00	9.15	4.02
EOC - 4587.8 hold at 12005.3 MD									
12,100.0	90.00	179.55	11,631.0	-256.1	197.3	257.7	0.00	0.00	0.00
12,200.0	90.00	179.55	11,631.0	-356.1	198.1	357.7	0.00	0.00	0.00
12,300.0	90.00	179.55	11,631.0	-456.1	198.9	457.7	0.00	0.00	0.00
12,400.0	90.00	179.55	11,631.0	-556.1	199.7	557.7	0.00	0.00	0.00
12,500.0	90.00	179.55	11,631.0	-656.1	200.5	657.7	0.00	0.00	0.00
12,600.0	90.00	179.55	11,631.0	-756.1	201.3	757.7	0.00	0.00	0.00
12,700.0	90.00	179.55	11,631.0	-856.1	202.1	857.7	0.00	0.00	0.00
12,800.0	90.00	179.55	11,631.0	-956.1	202.9	957.7	0.00	0.00	0.00
12,900.0	90.00	179.55	11,631.0	-1,056.1	203.7	1,057.7	0.00	0.00	0.00
13,000.0	90.00	179.55	11,631.0	-1,156.1	204.5	1,157.7	0.00	0.00	0.00
13,100.0	90.00	179.55	11,631.0	-1,256.1	205.3	1,257.7	0.00	0.00	0.00
13,200.0	90.00	179.55	11,631.0	-1,356.1	206.1	1,357.7	0.00	0.00	0.00
13,300.0	90.00	179.55	11,631.0	-1,456.1	206.9	1,457.7	0.00	0.00	0.00
13,400.0	90.00	179.55	11,631.0	-1,556.1	207.7	1,557.7	0.00	0.00	0.00
13,500.0	90.00	179.55	11,631.0	-1,656.1	208.5	1,657.7	0.00	0.00	0.00
13,600.0	90.00	179.55	11,631.0	-1,756.1	209.2	1,757.7	0.00	0.00	0.00
13,700.0	90.00	179.55	11,631.0	-1,856.1	210.0	1,857.7	0.00	0.00	0.00
13,800.0	90.00	179.55	11,631.0	-1,956.1	210.8	1,957.7	0.00	0.00	0.00
13,900.0	90.00	179.55	11,631.0	-2,056.1	211.6	2,057.7	0.00	0.00	0.00



Intrepid Planning Report



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Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB @ 3566.0usft
Site:	(Hyperion) Sec-20_T-24-S_R-33-E	North Reference:	Grid
Well:	Hyperion State #151H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	Plan #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
14,000.0	90.00	179.55	11,631.0	-2,156.1	212.4	2,157.7	0.00	0.00	0.00	
14,100.0	90.00	179.55	11,631.0	-2,256.1	213.2	2,257.7	0.00	0.00	0.00	
14,200.0	90.00	179.55	11,631.0	-2,356.1	214.0	2,357.7	0.00	0.00	0.00	
14,300.0	90.00	179.55	11,631.0	-2,456.1	214.8	2,457.7	0.00	0.00	0.00	
14,400.0	90.00	179.55	11,631.0	-2,556.1	215.6	2,557.7	0.00	0.00	0.00	
14,500.0	90.00	179.55	11,631.0	-2,656.1	216.4	2,657.7	0.00	0.00	0.00	
14,600.0	90.00	179.55	11,631.0	-2,756.1	217.2	2,757.7	0.00	0.00	0.00	
14,700.0	90.00	179.55	11,631.0	-2,856.1	218.0	2,857.7	0.00	0.00	0.00	
14,800.0	90.00	179.55	11,631.0	-2,956.0	218.8	2,957.7	0.00	0.00	0.00	
14,900.0	90.00	179.55	11,631.0	-3,056.0	219.6	3,057.7	0.00	0.00	0.00	
15,000.0	90.00	179.55	11,631.0	-3,156.0	220.4	3,157.7	0.00	0.00	0.00	
15,100.0	90.00	179.55	11,631.0	-3,256.0	221.2	3,257.7	0.00	0.00	0.00	
15,200.0	90.00	179.55	11,631.0	-3,356.0	221.9	3,357.7	0.00	0.00	0.00	
15,300.0	90.00	179.55	11,631.0	-3,456.0	222.7	3,457.7	0.00	0.00	0.00	
15,400.0	90.00	179.55	11,631.0	-3,556.0	223.5	3,557.7	0.00	0.00	0.00	
15,500.0	90.00	179.55	11,631.0	-3,656.0	224.3	3,657.7	0.00	0.00	0.00	
15,600.0	90.00	179.55	11,631.0	-3,756.0	225.1	3,757.7	0.00	0.00	0.00	
15,700.0	90.00	179.55	11,631.0	-3,856.0	225.9	3,857.7	0.00	0.00	0.00	
15,800.0	90.00	179.55	11,631.0	-3,956.0	226.7	3,957.7	0.00	0.00	0.00	
15,900.0	90.00	179.55	11,631.0	-4,056.0	227.5	4,057.7	0.00	0.00	0.00	
16,000.0	90.00	179.55	11,631.0	-4,156.0	228.3	4,157.7	0.00	0.00	0.00	
16,100.0	90.00	179.55	11,631.0	-4,256.0	229.1	4,257.7	0.00	0.00	0.00	
16,200.0	90.00	179.55	11,631.0	-4,356.0	229.9	4,357.7	0.00	0.00	0.00	
16,300.0	90.00	179.55	11,631.0	-4,456.0	230.7	4,457.7	0.00	0.00	0.00	
16,400.0	90.00	179.55	11,631.0	-4,556.0	231.5	4,557.7	0.00	0.00	0.00	
16,500.0	90.00	179.55	11,631.0	-4,656.0	232.3	4,657.7	0.00	0.00	0.00	
16,593.0	90.00	179.55	11,631.0	-4,749.0	233.0	4,750.7	0.00	0.00	0.00	
TD at 16593.0										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
PBHL (Hyperion State - hit/miss target - Shape - Rectangle (sides W100.0 H5,146.0 D30.0))	0.00	179.54	11,631.0	-4,749.0	233.0	435,811.00	768,135.00	32° 11' 45.586 N	103° 36' 0.522 W	
LTP (Hyperion State #. - plan misses target center by 23.0usft at 16500.0usft MD (11631.0 TVD, -4656.0 N, 232.3 E) - Point	0.00	0.00	11,631.0	-4,679.0	232.0	435,881.00	768,134.00	32° 11' 46.279 N	103° 36' 0.528 W	
FTP (Hyperion State # - plan misses target center by 227.8usft at 11559.3usft MD (11479.9 TVD, 240.4 N, 127.0 E) - Point	0.00	0.00	11,631.0	398.0	192.0	440,958.00	768,094.00	32° 12' 36.520 N	103° 36' 0.591 W	



Intrepid Planning Report



Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well Hyperion State #151H
Company:	Tap Rock Resources, LLC	TVD Reference:	KB @ 3566.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB @ 3566.0usft
Site:	(Hyperion) Sec-20_T-24-S_R-33-E	North Reference:	Grid
Well:	Hyperion State #151H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	Plan #1		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,200.0	1,200.0	Rustler Anhydrite				
1,588.0	1,588.0	Top Salt				
4,795.3	4,784.0	Base Salt				
5,069.3	5,057.0	Delaware Mountain Gp				
5,075.3	5,063.0	Lamar				
5,096.4	5,084.0	Bell Canyon				
5,111.5	5,099.0	Ramsey Sand				
6,048.0	6,032.0	Cherry Canyon				
7,507.3	7,489.0	Brushy Canyon				
9,091.3	9,073.0	Bone Spring Lime				
9,247.3	9,229.0	Upper Avalon				
9,489.3	9,471.0	Middle Avalon				
9,857.3	9,839.0	Lower Avalon				
10,081.3	10,063.0	1st Bone Spring Sand				
10,421.3	10,403.0	2nd Bone Spring Carb				
10,803.3	10,785.0	2nd Bone Spring Sand				
11,290.5	11,266.0	3rd Bone Spring Carb				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
1,500.0	1,500.0	0.0	0.0	NUDGE - Build 1.00	
1,999.8	1,999.2	21.6	2.5	HOLD - 4468.6 at 1999.8 MD	
6,468.4	6,450.8	408.4	47.5	DROP - Drop -1.00	
6,968.3	6,950.0	430.0	50.0	HOLD - 4091.0 at 6968.3 MD	
11,059.3	11,041.0	430.0	50.0	KOP - Build 10.00	
11,559.3	11,479.9	240.4	127.0	BLD/TRN - DLS 10.00 TFO 31.69	
12,005.3	11,631.0	-161.4	196.6	EOC - 4587.8 hold at 12005.3 MD	
16,593.0	11,631.0	-4,749.0	233.0	TD at 16593.0	

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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 124593

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 124593
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	SUBMIT CEMENT CHANGES ON A C-103A PRIOR TO DRILLING	7/21/2022