

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

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

**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

Form C-101  
August 1, 2011  
Permit 280043

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

1. Operator Name and Address TAP ROCK OPERATING, LLC 602 Park Point Drive Golden, CO 80401		2. OGRID Number 372043
		3. API Number 30-025-47032
4. Property Code 325410	5. Property Name HYPERION STATE	6. Well No. 204H

**7. Surface Location**

UL - Lot A	Section 20	Township 24S	Range 33E	Lot Idn A	Feet From 609	N/S Line N	Feet From 1247	E/W Line E	County Lea
---------------	---------------	-----------------	--------------	--------------	------------------	---------------	-------------------	---------------	---------------

**8. Proposed Bottom Hole Location**

UL - Lot P	Section 20	Township 24S	Range 33E	Lot Idn P	Feet From 5	N/S Line S	Feet From 770	E/W Line E	County Lea
---------------	---------------	-----------------	--------------	--------------	----------------	---------------	------------------	---------------	---------------

**9. Pool Information**

WC-025 G-09 S243310P;UPPER WOLFCAMP	98135
-------------------------------------	-------

**Additional Well Information**

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3563
16. Multiple N	17. Proposed Depth 17560	18. Formation Wolfcamp	19. Contractor	20. Spud Date 4/15/2020
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

We will be using a closed-loop system in lieu of lined pits

**21. Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	1250	1280	0
Int1	12.25	9.625	40	5100	1400	0
Int2	8.75	7.625	29.7	11900	400	4000
Prod	6.75	5.5	20	11700	0	11200
Prod	6.75	5	18	17560	750	11200

**Casing/Cement Program: Additional Comments**

--

**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	2500	
Blind	10000	5000	
Double Ram	10000	5000	

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> if applicable.  Signature:	<b>OIL CONSERVATION DIVISION</b>
Printed Name: Electronically filed by Christian Combs	Approved By: Paul F Kautz
Title: Regulatory Manager	Title: Geologist
Email Address: ccombs@taprk.com	Approved Date: 4/2/2020      Expiration Date: 4/2/2022
Date: 4/1/2020      Phone: 720-360-4028	Conditions of Approval Attached

District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
District II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

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

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate  
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number		<sup>2</sup> Pool Code		<sup>3</sup> Pool Name		
<sup>4</sup> Property Code		<sup>5</sup> Property Name <b>HYPERION STATE</b>			<sup>6</sup> Well Number <b>204H</b>	
<sup>7</sup> OGRID No. <b>#372043</b>		<sup>8</sup> Operator Name <b>TAP ROCK OPERATING, LLC.</b>			<sup>9</sup> Elevation <b>3563'</b>	

<sup>10</sup>Surface Location

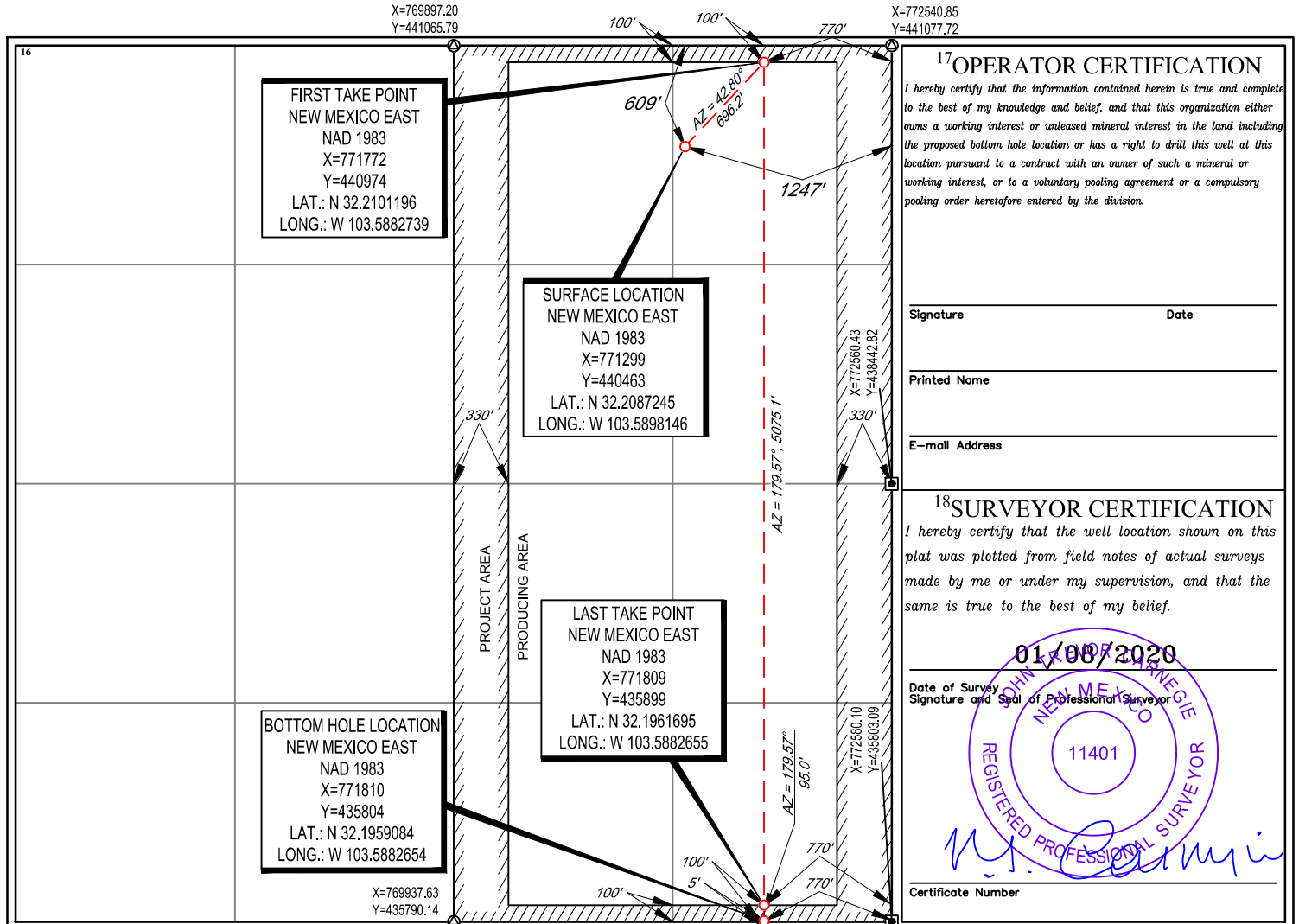
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	20	24-S	33-E	-	609'	NORTH	1247'	EAST	LEA

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

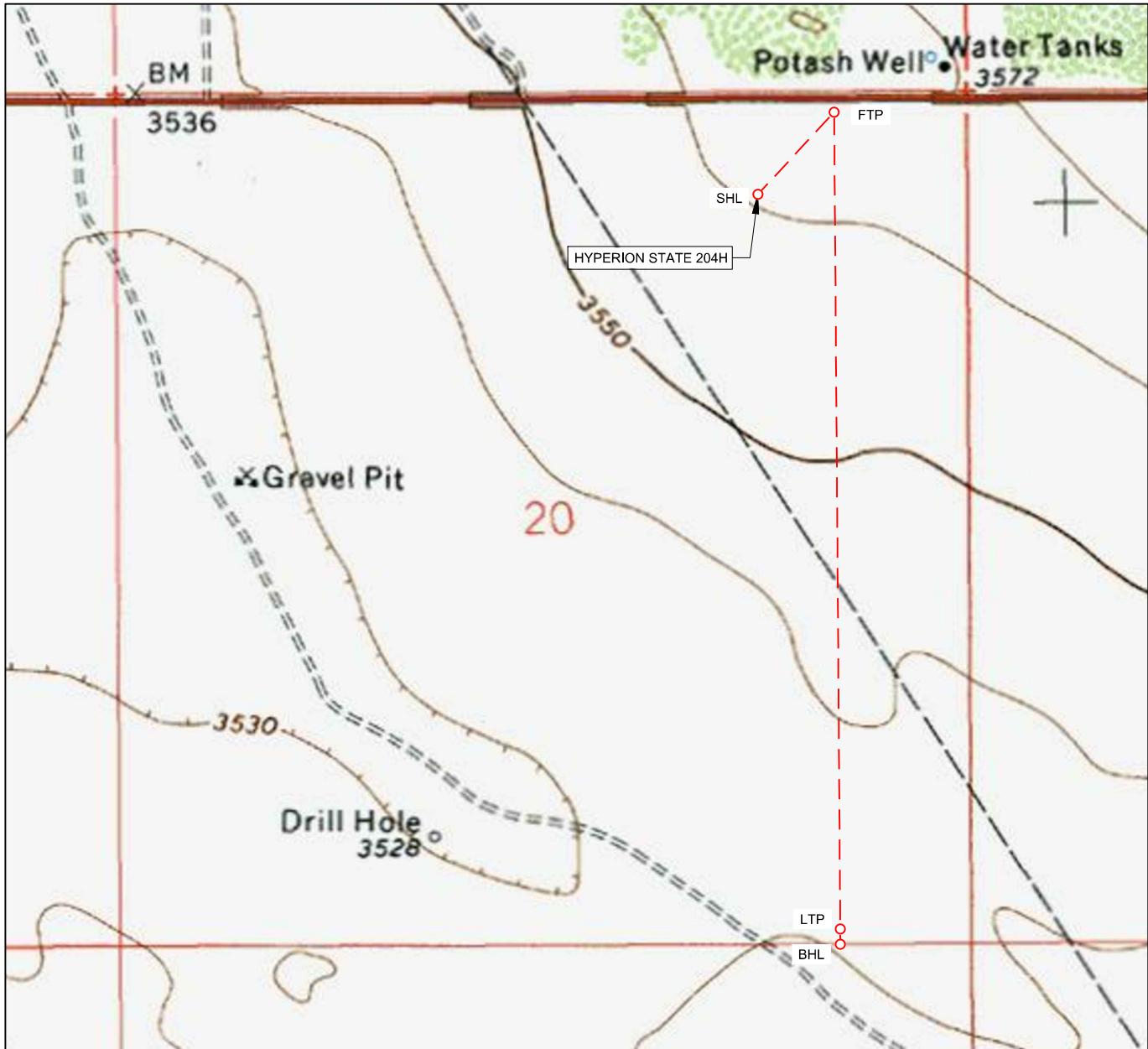
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	20	24-S	33-E	-	5'	SOUTH	770'	EAST	LEA

<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
-------------------------------	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



## LOCATION & ELEVATION VERIFICATION MAP



LEASE NAME & WELL NO.:   HYPERION STATE 204H                    

SECTION   20   TWP   24-S   RGE   33-E   SURVEY   N.M.P.M.    
 COUNTY   LEA   STATE   NM   ELEVATION   3563'    
 DESCRIPTION                     609' FNL & 1247' FEL                    

LATITUDE   N 32.2087245   LONGITUDE   W 103.5898146  



SCALE: 1" = 1000'  
  
 0'          500'        1000'

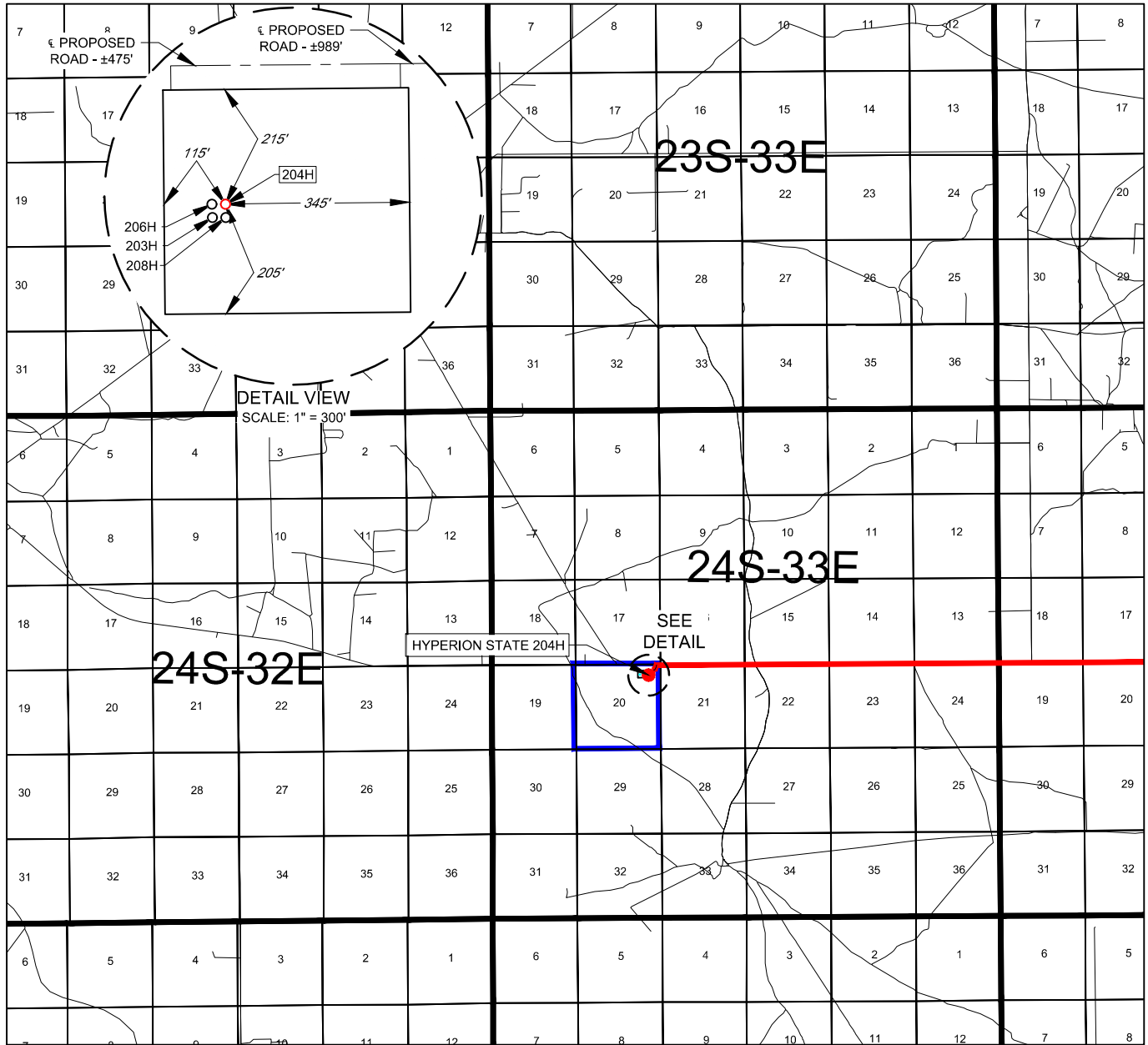
THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY TAP ROCK OPERATING, LLC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF 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 204H

SECTION 20 TWP 24-S RGE 33-E SURVEY N.M.P.M.  
 COUNTY LEA STATE NM  
 DESCRIPTION 609' FNL & 1247' FEL

**DISTANCE & DIRECTION**

FROM INT. OF NM-128 & DELAWARE BASIN RD., GO WEST ON  
NM-128 ±4.4 MILES, THENCE SOUTH (LEFT) A PROPOSED RD. ±989  
FEET TO A POINT ±394 FEET NORTHEAST OF THE LOCATION.

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

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.



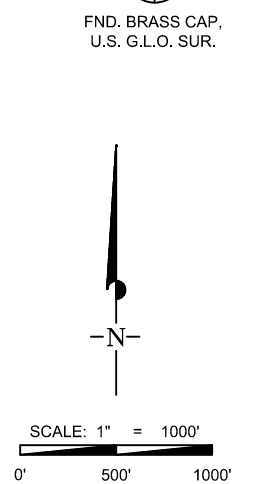
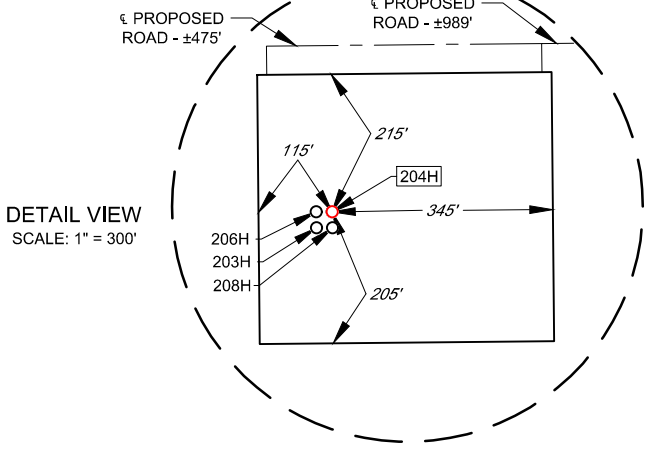
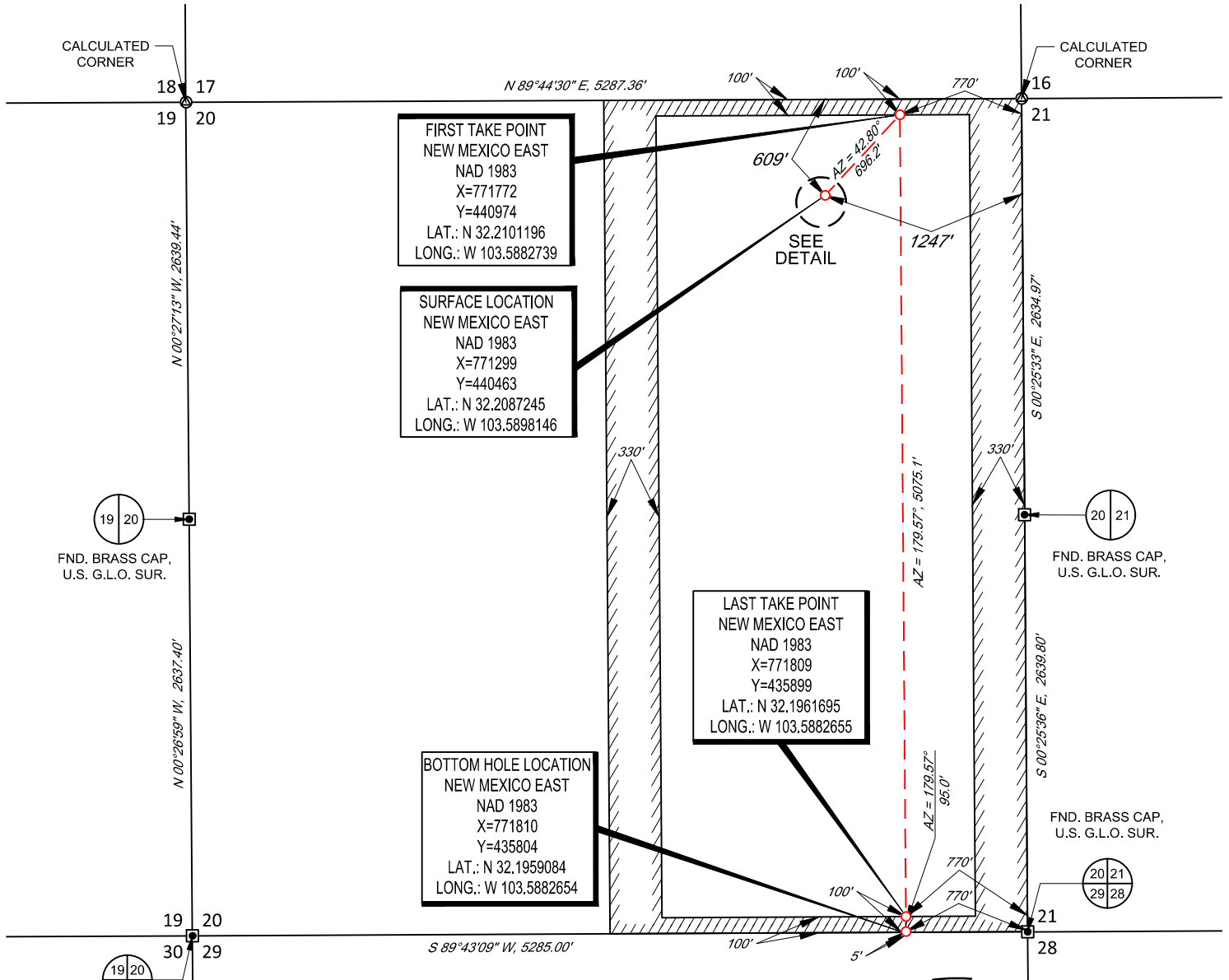
SCALE: 1" = 10000'  
 0' 5000' 10000'



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

# TAP ROCK EXHIBIT 2A

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



LEASE NAME & WELL NO.: \_\_\_\_\_ HYPERION STATE 204H

SECTION 20 TWP 24-S RGE 33-E SURVEY N.M.P.M.  
 COUNTY LEA STATE NM  
 DESCRIPTION 609' FNL & 1247' FEL

DISTANCE & DIRECTION  
 FROM INT. OF NM-128 & DELAWARE BASIN RD., GO WEST ON NM-128  
 ±4.4 MILES, THENCE SOUTH (LEFT) A PROPOSED RD. ±989 FEET TO  
 A POINT ±394 FEET NORTHEAST OF THE LOCATION.



John Trevor Carnegie, P.S. No. 11401

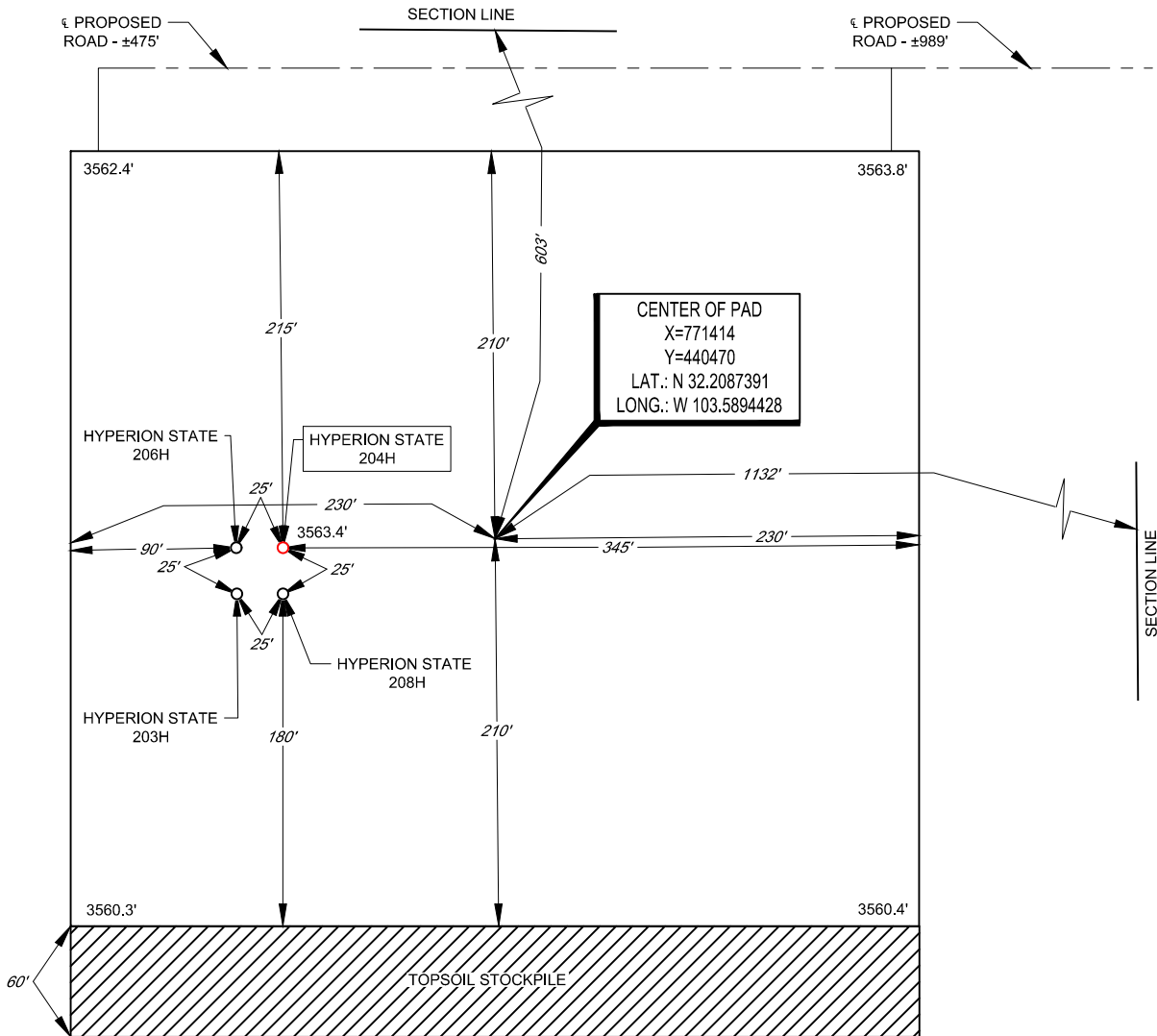
ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.  
 THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND 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.

# EXHIBIT 2B



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

DETAIL VIEW  
SCALE: 1" = 100'



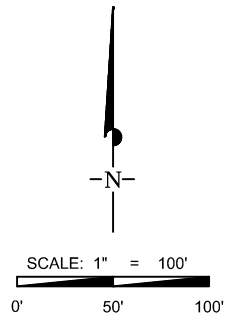
LEASE NAME & WELL NO.: HYPERION STATE 204H  
 204H LATITUDE N 32.2087245 204H LONGITUDE W 103.5898146

CENTER OF PAD IS 603' FNL & 1132' FEL



*John Trevor Carnegie*

John Trevor Carnegie, P.S. No. 11401



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.



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

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

**GAS CAPTURE PLAN**

Date: 4/2/2020

Original Operator & OGRID No.: [372043] TAP ROCK OPERATING, LLC  
 Amended - Reason for Amendment: \_\_\_\_\_

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomplete to new zone, re-frac) activity.

*Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).*

**Well(s)/Production Facility – Name of facility**

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
HYPERION STATE #204H	30-025-47032	A-20-24S-33E	0609N 1247E	3000	Flared	

**Gathering System and Pipeline Notification**

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to LUCID ENERGY DELAWARE, LLC and will be connected to LUCID ENERGY DELAWARE, LLC High Pressure gathering system located in Lea County, New Mexico. It will require 2500' of pipeline to connect the facility to High Pressure gathering system. TAP ROCK OPERATING, LLC provides (periodically) to LUCID ENERGY DELAWARE, LLC a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, TAP ROCK OPERATING, LLC and LUCID ENERGY DELAWARE, LLC have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at LUCID ENERGY DELAWARE, LLC Processing Plant located in Sec. 13, Twn. 24S, Rng. 33E, Lea County, New Mexico. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

**Flowback Strategy**

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on LUCID ENERGY DELAWARE, LLC system at that time. Based on current information, it is TAP ROCK OPERATING, LLC's belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

**Alternatives to Reduce Flaring**

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On lease
  - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas – On lease
  - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal – On lease
  - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720

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

**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

Form APD Comments

Permit 280043

**PERMIT COMMENTS**

Operator Name and Address: TAP ROCK OPERATING, LLC [372043] 602 Park Point Drive Golden, CO 80401	API Number: 30-025-47032
	Well: HYPERION STATE #204H

Created By	Comment	Comment Date
------------	---------	--------------



**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

Form APD Conditions

Permit 280043

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: TAP ROCK OPERATING, LLC [372043] 602 Park Point Drive Golden, CO 80401	API Number: 30-025-47032
	Well: HYPERION STATE #204H

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
pkautz	1) SURFACE & INTERMEDIATE1 CASING - Cement must circulate to surface -- 2) INTERMEDIATE2 CASING - Cement must tie back into intermediate1 casing -- 3) PRODUCTION CASING - Cement must tie back into intermediate2 casing --
pkautz	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water
pkautz	1)- The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud 2)- Drilling Sundries Form C-103 (Casing and Cement test are to be submitted within 10 days 3)- Completion Reports & Logs are to be submitted within 45 days 4)- Deviation / Directional Drill Survey are to be filed with or prior to C-104
pkautz	It is the operator's responsibility to monitor cancellation dates of approved APDs. APD's are good for 2 years and may be extended for one year. Only one 1 year extension will be granted if submitted by C-103 before expiration date. After expiration date or after a 1 year extension must submit new APD. If an APD expires and if site construction has occurred, site remediation is required.
pkautz	Stage Tool 1) Must notify OCD Hobbs Office prior to running Stage Tool at 5753703186 2) If using Stage Tool on Surface casing, Stage Tool must be set greater than 350' from surface and a minimum of 200 feet above surface shoe. 3) When using a Stage Tool on Intermediate or Production Casing Stage must be a minimum of 50 feet below previous casing shoe.



# Tap Rock Resources, LLC

Lea County, NM (NAD 83 NME)  
(Hyperion) Sec-20\_T-24-S\_R-33-E  
Hyperion State #204H

OWB

Plan: Plan #1

## Standard Planning Report

18 March, 2020





**Intrepid**  
Planning Report



<b>Database:</b>	EDM 5000.15 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Hyperion State #204H
<b>Company:</b>	Tap Rock Resources, LLC	<b>TVD Reference:</b>	KB @ 3589.0usft
<b>Project:</b>	Lea County, NM (NAD 83 NME)	<b>MD Reference:</b>	KB @ 3589.0usft
<b>Site:</b>	(Hyperion) Sec-20_T-24-S_R-33-E	<b>North Reference:</b>	Grid
<b>Well:</b>	Hyperion State #204H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	Plan #1		

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

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

<b>Well</b>	Hyperion State #204H					
<b>Well Position</b>	<b>+N/-S</b>	-42.0 usft	<b>Northing:</b>	440,463.00 usft	<b>Latitude:</b>	32° 12' 31.404 N
	<b>+E/-W</b>	3,501.0 usft	<b>Easting:</b>	771,299.00 usft	<b>Longitude:</b>	103° 35' 23.328 W
<b>Position Uncertainty</b>	0.0 usft		<b>Wellhead Elevation:</b>		<b>Ground Level:</b>	3,563.0 usft

<b>Wellbore</b>	OWB			
-----------------	-----	--	--	--

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	2020/03/18	6.66	60.01	47,643.16333286

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

<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	173.74

Plan Survey Tool Program	Date	2020/03/18			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	17,563.7	Plan #1 (OWB)	MWD OWSG MWD - Standard	

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	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,400.1	8.00	40.10	2,398.8	21.3	18.0	2.00	2.00	0.00	40.10	
7,269.9	8.00	40.10	7,221.2	539.9	454.7	0.00	0.00	0.00	0.00	
7,670.0	0.00	0.00	7,620.0	561.2	472.6	2.00	-2.00	0.00	180.00	
12,017.0	0.00	0.00	11,967.0	561.2	472.6	0.00	0.00	0.00	0.00	
12,919.1	90.21	179.58	12,540.0	-13.8	476.9	10.00	10.00	19.91	179.58	
17,564.5	90.21	179.58	12,523.0	-4,659.0	511.0	0.00	0.00	0.00	0.00	PBHL (Hyperion St



**Intrepid**  
Planning Report



<b>Database:</b>	EDM 5000.15 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Hyperion State #204H
<b>Company:</b>	Tap Rock Resources, LLC	<b>TVD Reference:</b>	KB @ 3589.0usft
<b>Project:</b>	Lea County, NM (NAD 83 NME)	<b>MD Reference:</b>	KB @ 3589.0usft
<b>Site:</b>	(Hyperion) Sec-20_T-24-S_R-33-E	<b>North Reference:</b>	Grid
<b>Well:</b>	Hyperion State #204H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,175.0	0.00	0.00	1,175.0	0.0	0.0	0.0	0.00	0.00	0.00
<b>Rustler Anhydrite</b>									
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
1,595.0	0.00	0.00	1,595.0	0.0	0.0	0.0	0.00	0.00	0.00
<b>Top Salt</b>									
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
<b>Start Build 2.00</b>									
2,100.0	2.00	40.10	2,100.0	1.3	1.1	-1.2	2.00	2.00	0.00
2,200.0	4.00	40.10	2,199.8	5.3	4.5	-4.8	2.00	2.00	0.00
2,300.0	6.00	40.10	2,299.5	12.0	10.1	-10.8	2.00	2.00	0.00
2,400.1	8.00	40.10	2,398.8	21.3	18.0	-19.3	2.00	2.00	0.00
<b>Start 4869.8 hold at 2400.1 MD</b>									
2,500.0	8.00	40.10	2,497.7	32.0	26.9	-28.8	0.00	0.00	0.00
2,600.0	8.00	40.10	2,596.8	42.6	35.9	-38.5	0.00	0.00	0.00
2,700.0	8.00	40.10	2,695.8	53.3	44.9	-48.1	0.00	0.00	0.00
2,800.0	8.00	40.10	2,794.8	63.9	53.8	-57.7	0.00	0.00	0.00
2,900.0	8.00	40.10	2,893.8	74.6	62.8	-67.3	0.00	0.00	0.00
3,000.0	8.00	40.10	2,992.9	85.2	71.8	-76.9	0.00	0.00	0.00
3,100.0	8.00	40.10	3,091.9	95.9	80.7	-86.5	0.00	0.00	0.00
3,200.0	8.00	40.10	3,190.9	106.5	89.7	-96.1	0.00	0.00	0.00
3,300.0	8.00	40.10	3,289.9	117.2	98.7	-105.7	0.00	0.00	0.00
3,400.0	8.00	40.10	3,389.0	127.8	107.6	-115.3	0.00	0.00	0.00
3,500.0	8.00	40.10	3,488.0	138.5	116.6	-124.9	0.00	0.00	0.00
3,600.0	8.00	40.10	3,587.0	149.1	125.6	-134.5	0.00	0.00	0.00
3,700.0	8.00	40.10	3,686.0	159.8	134.5	-144.1	0.00	0.00	0.00
3,800.0	8.00	40.10	3,785.1	170.4	143.5	-153.7	0.00	0.00	0.00
3,900.0	8.00	40.10	3,884.1	181.1	152.5	-163.4	0.00	0.00	0.00
4,000.0	8.00	40.10	3,983.1	191.7	161.4	-173.0	0.00	0.00	0.00
4,100.0	8.00	40.10	4,082.1	202.4	170.4	-182.6	0.00	0.00	0.00
4,200.0	8.00	40.10	4,181.2	213.0	179.4	-192.2	0.00	0.00	0.00
4,300.0	8.00	40.10	4,280.2	223.7	188.3	-201.8	0.00	0.00	0.00
4,400.0	8.00	40.10	4,379.2	234.3	197.3	-211.4	0.00	0.00	0.00
4,500.0	8.00	40.10	4,478.3	244.9	206.3	-221.0	0.00	0.00	0.00
4,600.0	8.00	40.10	4,577.3	255.6	215.2	-230.6	0.00	0.00	0.00
4,700.0	8.00	40.10	4,676.3	266.2	224.2	-240.2	0.00	0.00	0.00



**Intrepid**  
Planning Report



<b>Database:</b>	EDM 5000.15 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Hyperion State #204H
<b>Company:</b>	Tap Rock Resources, LLC	<b>TVD Reference:</b>	KB @ 3589.0usft
<b>Project:</b>	Lea County, NM (NAD 83 NME)	<b>MD Reference:</b>	KB @ 3589.0usft
<b>Site:</b>	(Hyperion) Sec-20_T-24-S_R-33-E	<b>North Reference:</b>	Grid
<b>Well:</b>	Hyperion State #204H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,800.0	8.00	40.10	4,775.3	276.9	233.2	-249.8	0.00	0.00	0.00
4,830.0	8.00	40.10	4,805.0	280.1	235.9	-252.7	0.00	0.00	0.00
<b>Base Salt</b>									
4,900.0	8.00	40.10	4,874.4	287.5	242.1	-259.4	0.00	0.00	0.00
5,000.0	8.00	40.10	4,973.4	298.2	251.1	-269.0	0.00	0.00	0.00
5,077.4	8.00	40.10	5,050.0	306.4	258.0	-276.5	0.00	0.00	0.00
<b>Delaware Mountain Gp</b>									
5,082.4	8.00	40.10	5,055.0	307.0	258.5	-277.0	0.00	0.00	0.00
<b>Lamar</b>									
5,097.6	8.00	40.10	5,070.0	308.6	259.9	-278.4	0.00	0.00	0.00
<b>Bell Canyon</b>									
5,100.0	8.00	40.10	5,072.4	308.8	260.1	-278.6	0.00	0.00	0.00
5,117.8	8.00	40.10	5,090.0	310.7	261.7	-280.4	0.00	0.00	0.00
<b>Ramsey Sand</b>									
5,200.0	8.00	40.10	5,171.4	319.5	269.0	-288.3	0.00	0.00	0.00
5,300.0	8.00	40.10	5,270.5	330.1	278.0	-297.9	0.00	0.00	0.00
5,400.0	8.00	40.10	5,369.5	340.8	287.0	-307.5	0.00	0.00	0.00
5,500.0	8.00	40.10	5,468.5	351.4	295.9	-317.1	0.00	0.00	0.00
5,600.0	8.00	40.10	5,567.5	362.1	304.9	-326.7	0.00	0.00	0.00
5,700.0	8.00	40.10	5,666.6	372.7	313.9	-336.3	0.00	0.00	0.00
5,800.0	8.00	40.10	5,765.6	383.4	322.8	-345.9	0.00	0.00	0.00
5,900.0	8.00	40.10	5,864.6	394.0	331.8	-355.5	0.00	0.00	0.00
6,000.0	8.00	40.10	5,963.6	404.7	340.8	-365.1	0.00	0.00	0.00
6,062.0	8.00	40.10	6,025.0	411.3	346.3	-371.1	0.00	0.00	0.00
<b>Cherry Canyon</b>									
6,100.0	8.00	40.10	6,062.7	415.3	349.8	-374.7	0.00	0.00	0.00
6,200.0	8.00	40.10	6,161.7	426.0	358.7	-384.3	0.00	0.00	0.00
6,300.0	8.00	40.10	6,260.7	436.6	367.7	-393.9	0.00	0.00	0.00
6,400.0	8.00	40.10	6,359.7	447.3	376.7	-403.5	0.00	0.00	0.00
6,500.0	8.00	40.10	6,458.8	457.9	385.6	-413.2	0.00	0.00	0.00
6,600.0	8.00	40.10	6,557.8	468.6	394.6	-422.8	0.00	0.00	0.00
6,700.0	8.00	40.10	6,656.8	479.2	403.6	-432.4	0.00	0.00	0.00
6,800.0	8.00	40.10	6,755.9	489.9	412.5	-442.0	0.00	0.00	0.00
6,900.0	8.00	40.10	6,854.9	500.5	421.5	-451.6	0.00	0.00	0.00
7,000.0	8.00	40.10	6,953.9	511.2	430.5	-461.2	0.00	0.00	0.00
7,100.0	8.00	40.10	7,052.9	521.8	439.4	-470.8	0.00	0.00	0.00
7,200.0	8.00	40.10	7,152.0	532.5	448.4	-480.4	0.00	0.00	0.00
7,269.9	8.00	40.10	7,221.2	539.9	454.7	-487.1	0.00	0.00	0.00
<b>Start Drop -2.00</b>									
7,300.0	7.40	40.10	7,251.0	543.0	457.3	-489.9	2.00	-2.00	0.00
7,400.0	5.40	40.10	7,350.4	551.5	464.4	-497.6	2.00	-2.00	0.00
7,500.0	3.40	40.10	7,450.1	557.4	469.4	-502.9	2.00	-2.00	0.00
7,590.0	1.60	40.10	7,540.0	560.4	471.9	-505.6	2.00	-2.00	0.00
<b>Brushy Canyon</b>									
7,600.0	1.40	40.10	7,550.0	560.6	472.1	-505.8	2.00	-2.00	0.00
7,670.0	0.00	0.00	7,620.0	561.2	472.6	-506.4	2.00	-2.00	0.00
<b>HOLD - 4347.0 at 7670.0 MD</b>									
7,700.0	0.00	0.00	7,650.0	561.2	472.6	-506.4	0.00	0.00	0.00
7,800.0	0.00	0.00	7,750.0	561.2	472.6	-506.4	0.00	0.00	0.00
7,900.0	0.00	0.00	7,850.0	561.2	472.6	-506.4	0.00	0.00	0.00
8,000.0	0.00	0.00	7,950.0	561.2	472.6	-506.4	0.00	0.00	0.00
8,100.0	0.00	0.00	8,050.0	561.2	472.6	-506.4	0.00	0.00	0.00
8,200.0	0.00	0.00	8,150.0	561.2	472.6	-506.4	0.00	0.00	0.00



**Intrepid**  
Planning Report



<b>Database:</b>	EDM 5000.15 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Hyperion State #204H
<b>Company:</b>	Tap Rock Resources, LLC	<b>TVD Reference:</b>	KB @ 3589.0usft
<b>Project:</b>	Lea County, NM (NAD 83 NME)	<b>MD Reference:</b>	KB @ 3589.0usft
<b>Site:</b>	(Hyperion) Sec-20_T-24-S_R-33-E	<b>North Reference:</b>	Grid
<b>Well:</b>	Hyperion State #204H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,300.0	0.00	0.00	8,250.0	561.2	472.6	-506.4	0.00	0.00	0.00
8,400.0	0.00	0.00	8,350.0	561.2	472.6	-506.4	0.00	0.00	0.00
8,500.0	0.00	0.00	8,450.0	561.2	472.6	-506.4	0.00	0.00	0.00
8,600.0	0.00	0.00	8,550.0	561.2	472.6	-506.4	0.00	0.00	0.00
8,700.0	0.00	0.00	8,650.0	561.2	472.6	-506.4	0.00	0.00	0.00
8,800.0	0.00	0.00	8,750.0	561.2	472.6	-506.4	0.00	0.00	0.00
8,900.0	0.00	0.00	8,850.0	561.2	472.6	-506.4	0.00	0.00	0.00
9,000.0	0.00	0.00	8,950.0	561.2	472.6	-506.4	0.00	0.00	0.00
9,100.0	0.00	0.00	9,050.0	561.2	472.6	-506.4	0.00	0.00	0.00
9,115.0	0.00	0.00	9,065.0	561.2	472.6	-506.4	0.00	0.00	0.00
<b>Bone Spring Lime</b>									
9,200.0	0.00	0.00	9,150.0	561.2	472.6	-506.4	0.00	0.00	0.00
9,265.0	0.00	0.00	9,215.0	561.2	472.6	-506.4	0.00	0.00	0.00
<b>Upper Avalon</b>									
9,300.0	0.00	0.00	9,250.0	561.2	472.6	-506.4	0.00	0.00	0.00
9,400.0	0.00	0.00	9,350.0	561.2	472.6	-506.4	0.00	0.00	0.00
9,500.0	0.00	0.00	9,450.0	561.2	472.6	-506.4	0.00	0.00	0.00
<b>Middle Avalon</b>									
9,600.0	0.00	0.00	9,550.0	561.2	472.6	-506.4	0.00	0.00	0.00
9,700.0	0.00	0.00	9,650.0	561.2	472.6	-506.4	0.00	0.00	0.00
9,800.0	0.00	0.00	9,750.0	561.2	472.6	-506.4	0.00	0.00	0.00
9,900.0	0.00	0.00	9,850.0	561.2	472.6	-506.4	0.00	0.00	0.00
9,905.0	0.00	0.00	9,855.0	561.2	472.6	-506.4	0.00	0.00	0.00
<b>Lower Avalon</b>									
10,000.0	0.00	0.00	9,950.0	561.2	472.6	-506.4	0.00	0.00	0.00
10,100.0	0.00	0.00	10,050.0	561.2	472.6	-506.4	0.00	0.00	0.00
10,140.0	0.00	0.00	10,090.0	561.2	472.6	-506.4	0.00	0.00	0.00
<b>1st Bone Spring Sand</b>									
10,200.0	0.00	0.00	10,150.0	561.2	472.6	-506.4	0.00	0.00	0.00
10,300.0	0.00	0.00	10,250.0	561.2	472.6	-506.4	0.00	0.00	0.00
10,400.0	0.00	0.00	10,350.0	561.2	472.6	-506.4	0.00	0.00	0.00
10,450.0	0.00	0.00	10,400.0	561.2	472.6	-506.4	0.00	0.00	0.00
<b>2nd Bone Spring Carb</b>									
10,500.0	0.00	0.00	10,450.0	561.2	472.6	-506.4	0.00	0.00	0.00
10,600.0	0.00	0.00	10,550.0	561.2	472.6	-506.4	0.00	0.00	0.00
10,700.0	0.00	0.00	10,650.0	561.2	472.6	-506.4	0.00	0.00	0.00
10,775.0	0.00	0.00	10,725.0	561.2	472.6	-506.4	0.00	0.00	0.00
<b>2nd Bone Spring Sand</b>									
10,800.0	0.00	0.00	10,750.0	561.2	472.6	-506.4	0.00	0.00	0.00
10,900.0	0.00	0.00	10,850.0	561.2	472.6	-506.4	0.00	0.00	0.00
11,000.0	0.00	0.00	10,950.0	561.2	472.6	-506.4	0.00	0.00	0.00
11,100.0	0.00	0.00	11,050.0	561.2	472.6	-506.4	0.00	0.00	0.00
11,200.0	0.00	0.00	11,150.0	561.2	472.6	-506.4	0.00	0.00	0.00
11,300.0	0.00	0.00	11,250.0	561.2	472.6	-506.4	0.00	0.00	0.00
11,325.0	0.00	0.00	11,275.0	561.2	472.6	-506.4	0.00	0.00	0.00
<b>3rd Bone Spring Carb</b>									
11,400.0	0.00	0.00	11,350.0	561.2	472.6	-506.4	0.00	0.00	0.00
11,500.0	0.00	0.00	11,450.0	561.2	472.6	-506.4	0.00	0.00	0.00
11,600.0	0.00	0.00	11,550.0	561.2	472.6	-506.4	0.00	0.00	0.00
11,700.0	0.00	0.00	11,650.0	561.2	472.6	-506.4	0.00	0.00	0.00
11,800.0	0.00	0.00	11,750.0	561.2	472.6	-506.4	0.00	0.00	0.00
11,900.0	0.00	0.00	11,850.0	561.2	472.6	-506.4	0.00	0.00	0.00
12,000.0	0.00	0.00	11,950.0	561.2	472.6	-506.4	0.00	0.00	0.00



**Intrepid**  
Planning Report



<b>Database:</b>	EDM 5000.15 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Hyperion State #204H
<b>Company:</b>	Tap Rock Resources, LLC	<b>TVD Reference:</b>	KB @ 3589.0usft
<b>Project:</b>	Lea County, NM (NAD 83 NME)	<b>MD Reference:</b>	KB @ 3589.0usft
<b>Site:</b>	(Hyperion) Sec-20_T-24-S_R-33-E	<b>North Reference:</b>	Grid
<b>Well:</b>	Hyperion State #204H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,005.0	0.00	0.00	11,955.0	561.2	472.6	-506.4	0.00	0.00	0.00
<b>3rd Bone Spring Sand</b>									
12,017.0	0.00	0.00	11,967.0	561.2	472.6	-506.4	0.00	0.00	0.00
<b>KOP - DLS 10.00 TFO 179.58</b>									
12,050.0	3.30	179.58	12,000.0	560.3	472.6	-505.4	10.00	10.00	0.00
12,100.0	8.30	179.58	12,049.7	555.3	472.7	-500.4	10.00	10.00	0.00
12,150.0	13.30	179.58	12,098.8	545.9	472.7	-491.1	10.00	10.00	0.00
12,200.0	18.30	179.58	12,146.9	532.3	472.8	-477.6	10.00	10.00	0.00
12,250.0	23.30	179.58	12,193.6	514.5	473.0	-459.9	10.00	10.00	0.00
12,300.0	28.30	179.58	12,238.6	492.8	473.1	-438.3	10.00	10.00	0.00
12,318.8	30.18	179.58	12,255.0	483.6	473.2	-429.1	10.00	10.00	0.00
<b>3rd BS W Sand</b>									
12,350.0	33.30	179.58	12,281.5	467.2	473.3	-412.8	10.00	10.00	0.00
12,400.0	38.30	179.58	12,322.1	438.0	473.5	-383.7	10.00	10.00	0.00
12,403.7	38.67	179.58	12,325.0	435.6	473.6	-381.4	10.00	10.00	0.00
<b>Wolfcamp A X Sand</b>									
12,450.0	43.30	179.58	12,359.9	405.3	473.8	-351.2	10.00	10.00	0.00
12,500.0	48.30	179.58	12,394.8	369.5	474.0	-315.6	10.00	10.00	0.00
12,550.0	53.30	179.58	12,426.4	330.7	474.3	-277.0	10.00	10.00	0.00
12,600.0	58.30	179.58	12,454.5	289.4	474.6	-235.9	10.00	10.00	0.00
12,630.9	61.39	179.58	12,470.0	262.7	474.8	-209.3	10.00	10.00	0.00
<b>Wolfcamp A Y Sand</b>									
12,650.0	63.30	179.58	12,478.9	245.8	474.9	-192.5	10.00	10.00	0.00
12,700.0	68.30	179.58	12,499.3	200.2	475.3	-147.2	10.00	10.00	0.00
12,750.0	73.30	179.58	12,515.8	153.0	475.6	-100.2	10.00	10.00	0.00
12,800.0	78.30	179.58	12,528.0	104.5	476.0	-52.0	10.00	10.00	0.00
12,850.0	83.30	179.58	12,536.0	55.2	476.4	-2.9	10.00	10.00	0.00
12,900.0	88.30	179.58	12,539.7	5.3	476.7	46.7	10.00	10.00	0.00
12,919.1	90.21	179.58	12,540.0	-13.8	476.9	65.7	10.00	10.00	0.00
<b>EOC - 4645.4 hold at 12919.1 MD</b>									
13,000.0	90.21	179.58	12,539.7	-94.7	477.5	146.2	0.00	0.00	0.00
13,100.0	90.21	179.58	12,539.3	-194.7	478.2	245.6	0.00	0.00	0.00
13,200.0	90.21	179.58	12,538.9	-294.7	478.9	345.1	0.00	0.00	0.00
13,300.0	90.21	179.58	12,538.6	-394.7	479.7	444.6	0.00	0.00	0.00
13,400.0	90.21	179.58	12,538.2	-494.7	480.4	544.1	0.00	0.00	0.00
13,500.0	90.21	179.58	12,537.8	-594.7	481.1	643.6	0.00	0.00	0.00
13,600.0	90.21	179.58	12,537.5	-694.7	481.9	743.0	0.00	0.00	0.00
13,700.0	90.21	179.58	12,537.1	-794.6	482.6	842.5	0.00	0.00	0.00
13,800.0	90.21	179.58	12,536.7	-894.6	483.3	942.0	0.00	0.00	0.00
13,900.0	90.21	179.58	12,536.4	-994.6	484.1	1,041.5	0.00	0.00	0.00
14,000.0	90.21	179.58	12,536.0	-1,094.6	484.8	1,141.0	0.00	0.00	0.00
14,100.0	90.21	179.58	12,535.6	-1,194.6	485.5	1,240.4	0.00	0.00	0.00
14,200.0	90.21	179.58	12,535.3	-1,294.6	486.3	1,339.9	0.00	0.00	0.00
14,300.0	90.21	179.58	12,534.9	-1,394.6	487.0	1,439.4	0.00	0.00	0.00
14,400.0	90.21	179.58	12,534.5	-1,494.6	487.7	1,538.9	0.00	0.00	0.00
14,500.0	90.21	179.58	12,534.2	-1,594.6	488.5	1,638.4	0.00	0.00	0.00
14,600.0	90.21	179.58	12,533.8	-1,694.6	489.2	1,737.9	0.00	0.00	0.00
14,700.0	90.21	179.58	12,533.5	-1,794.6	489.9	1,837.3	0.00	0.00	0.00
14,800.0	90.21	179.58	12,533.1	-1,894.6	490.7	1,936.8	0.00	0.00	0.00
14,900.0	90.21	179.58	12,532.7	-1,994.6	491.4	2,036.3	0.00	0.00	0.00
15,000.0	90.21	179.58	12,532.4	-2,094.6	492.2	2,135.8	0.00	0.00	0.00
15,100.0	90.21	179.58	12,532.0	-2,194.6	492.9	2,235.3	0.00	0.00	0.00
15,200.0	90.21	179.58	12,531.6	-2,294.6	493.6	2,334.7	0.00	0.00	0.00



**Intrepid**  
Planning Report



<b>Database:</b>	EDM 5000.15 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Hyperion State #204H
<b>Company:</b>	Tap Rock Resources, LLC	<b>TVD Reference:</b>	KB @ 3589.0usft
<b>Project:</b>	Lea County, NM (NAD 83 NME)	<b>MD Reference:</b>	KB @ 3589.0usft
<b>Site:</b>	(Hyperion) Sec-20_T-24-S_R-33-E	<b>North Reference:</b>	Grid
<b>Well:</b>	Hyperion State #204H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	Plan #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
15,300.0	90.21	179.58	12,531.3	-2,394.6	494.4	2,434.2	0.00	0.00	0.00	
15,400.0	90.21	179.58	12,530.9	-2,494.6	495.1	2,533.7	0.00	0.00	0.00	
15,500.0	90.21	179.58	12,530.5	-2,594.6	495.8	2,633.2	0.00	0.00	0.00	
15,600.0	90.21	179.58	12,530.2	-2,694.6	496.6	2,732.7	0.00	0.00	0.00	
15,700.0	90.21	179.58	12,529.8	-2,794.6	497.3	2,832.1	0.00	0.00	0.00	
15,800.0	90.21	179.58	12,529.4	-2,894.6	498.0	2,931.6	0.00	0.00	0.00	
15,900.0	90.21	179.58	12,529.1	-2,994.6	498.8	3,031.1	0.00	0.00	0.00	
16,000.0	90.21	179.58	12,528.7	-3,094.6	499.5	3,130.6	0.00	0.00	0.00	
16,100.0	90.21	179.58	12,528.3	-3,194.6	500.2	3,230.1	0.00	0.00	0.00	
16,200.0	90.21	179.58	12,528.0	-3,294.6	501.0	3,329.5	0.00	0.00	0.00	
16,300.0	90.21	179.58	12,527.6	-3,394.6	501.7	3,429.0	0.00	0.00	0.00	
16,400.0	90.21	179.58	12,527.2	-3,494.6	502.4	3,528.5	0.00	0.00	0.00	
16,500.0	90.21	179.58	12,526.9	-3,594.6	503.2	3,628.0	0.00	0.00	0.00	
16,600.0	90.21	179.58	12,526.5	-3,694.5	503.9	3,727.5	0.00	0.00	0.00	
16,700.0	90.21	179.58	12,526.2	-3,794.5	504.6	3,826.9	0.00	0.00	0.00	
16,800.0	90.21	179.58	12,525.8	-3,894.5	505.4	3,926.4	0.00	0.00	0.00	
16,900.0	90.21	179.58	12,525.4	-3,994.5	506.1	4,025.9	0.00	0.00	0.00	
17,000.0	90.21	179.58	12,525.1	-4,094.5	506.9	4,125.4	0.00	0.00	0.00	
17,100.0	90.21	179.58	12,524.7	-4,194.5	507.6	4,224.9	0.00	0.00	0.00	
17,200.0	90.21	179.58	12,524.3	-4,294.5	508.3	4,324.3	0.00	0.00	0.00	
17,300.0	90.21	179.58	12,524.0	-4,394.5	509.1	4,423.8	0.00	0.00	0.00	
17,400.0	90.21	179.58	12,523.6	-4,494.5	509.8	4,523.3	0.00	0.00	0.00	
17,500.0	90.21	179.58	12,523.2	-4,594.5	510.5	4,622.8	0.00	0.00	0.00	
17,564.5	90.21	179.58	12,523.0	-4,659.0	511.0	4,686.9	0.00	0.00	0.00	
<b>TD at 17564.5</b>										

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 H5,170.0 D30.0))	-0.21	179.58	12,523.0	-4,659.0	511.0	435,804.00	771,810.00	32° 11' 45.267 N	103° 35' 17.756 W	
LTP (Hyperion State # - plan misses target center by 0.5usft at 17469.5usft MD (12523.3 TVD, -4564.0 N, 510.3 E) - Point)	0.00	0.00	12,523.0	-4,564.0	510.0	435,899.00	771,809.00	32° 11' 46.207 N	103° 35' 17.760 W	
FTP (Hyperion State # - plan misses target center by 202.8usft at 12499.8usft MD (12394.6 TVD, 369.6 N, 474.0 E) - Point)	0.00	0.00	12,540.0	511.0	473.0	440,974.00	771,772.00	32° 12' 36.428 N	103° 35' 17.781 W	





**Intrepid**  
Planning Report



<b>Database:</b>	EDM 5000.15 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Hyperion State #204H
<b>Company:</b>	Tap Rock Resources, LLC	<b>TVD Reference:</b>	KB @ 3589.0usft
<b>Project:</b>	Lea County, NM (NAD 83 NME)	<b>MD Reference:</b>	KB @ 3589.0usft
<b>Site:</b>	(Hyperion) Sec-20_T-24-S_R-33-E	<b>North Reference:</b>	Grid
<b>Well:</b>	Hyperion State #204H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OWB		
<b>Design:</b>	Plan #1		

**Formations**

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,175.0	1,175.0	Rustler Anhydrite			
1,595.0	1,595.0	Top Salt			
4,830.0	4,805.0	Base Salt			
5,077.4	5,050.0	Delaware Mountain Gp			
5,082.4	5,055.0	Lamar			
5,097.6	5,070.0	Bell Canyon			
5,117.8	5,090.0	Ramsey Sand			
6,062.0	6,025.0	Cherry Canyon			
7,590.0	7,540.0	Brushy Canyon			
9,115.0	9,065.0	Bone Spring Lime			
9,265.0	9,215.0	Upper Avalon			
9,500.0	9,450.0	Middle Avalon			
9,905.0	9,855.0	Lower Avalon			
10,140.0	10,090.0	1st Bone Spring Sand			
10,450.0	10,400.0	2nd Bone Spring Carb			
10,775.0	10,725.0	2nd Bone Spring Sand			
11,325.0	11,275.0	3rd Bone Spring Carb			
12,005.0	11,955.0	3rd Bone Spring Sand			
12,318.8	12,255.0	3rd BS W Sand			
12,403.7	12,325.0	Wolfcamp A X Sand			
12,630.9	12,470.0	Wolfcamp A Y Sand			

**Plan Annotations**

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2,000.0	2,000.0	0.0	0.0	Start Build 2.00
2,400.1	2,398.8	21.3	18.0	Start 4869.8 hold at 2400.1 MD
7,269.9	7,221.2	539.9	454.7	Start Drop -2.00
7,670.0	7,620.0	561.2	472.6	HOLD - 4347.0 at 7670.0 MD
12,017.0	11,967.0	561.2	472.6	KOP - DLS 10.00 TFO 179.58
12,919.1	12,540.0	-13.8	476.9	EOC - 4645.4 hold at 12919.1 MD
17,564.5	12,523.0	-4,659.0	511.0	TD at 17564.5