

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

Rec'd 7/21/2020 - NMOCD
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
AS-DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-46659		² Pool Code 98135		³ Pool Name WC025 G09 S243310P; UPPER WOLFCAMP	
⁴ Property Code 325410		⁵ Property Name HYPERION STATE			⁶ Well Number 131H
⁷ OGRID No. 372043		⁸ Operator Name TAP ROCK OPERATING, LLC.			⁹ Elevation 3539'

¹⁰Surface Location

UL or lot no. D	Section 20	Township 24-S	Range 33-E	Lot Idn -	Feet from the 497'	North/South line NORTH	Feet from the 540'	East/West line WEST	County LEA
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¹¹Bottom Hole Location If Different From Surface

UL or lot no. M	Section 20	Township 24-S	Range 33-E	Lot Idn -	Feet from the 23'	North/South line SOUTH	Feet from the 854'	East/West line WEST	County LEA
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¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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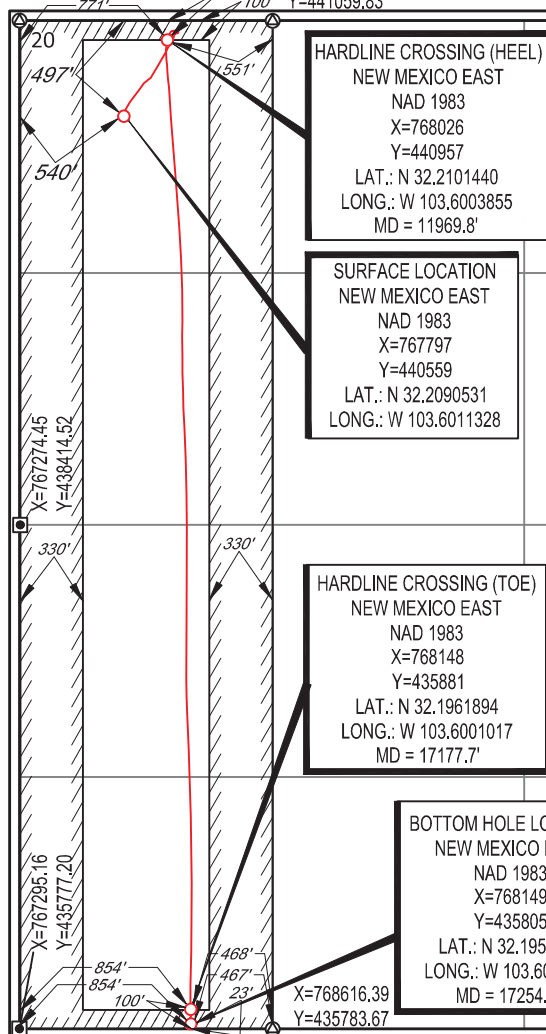
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

X=767253.55

Y=441053.87

X=768575.38

Y=441059.83



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.

Bill Ramsey

6/1/2020

Signature

Date

Bill Ramsey

Printed Name

bramsey@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.

12/26/2019

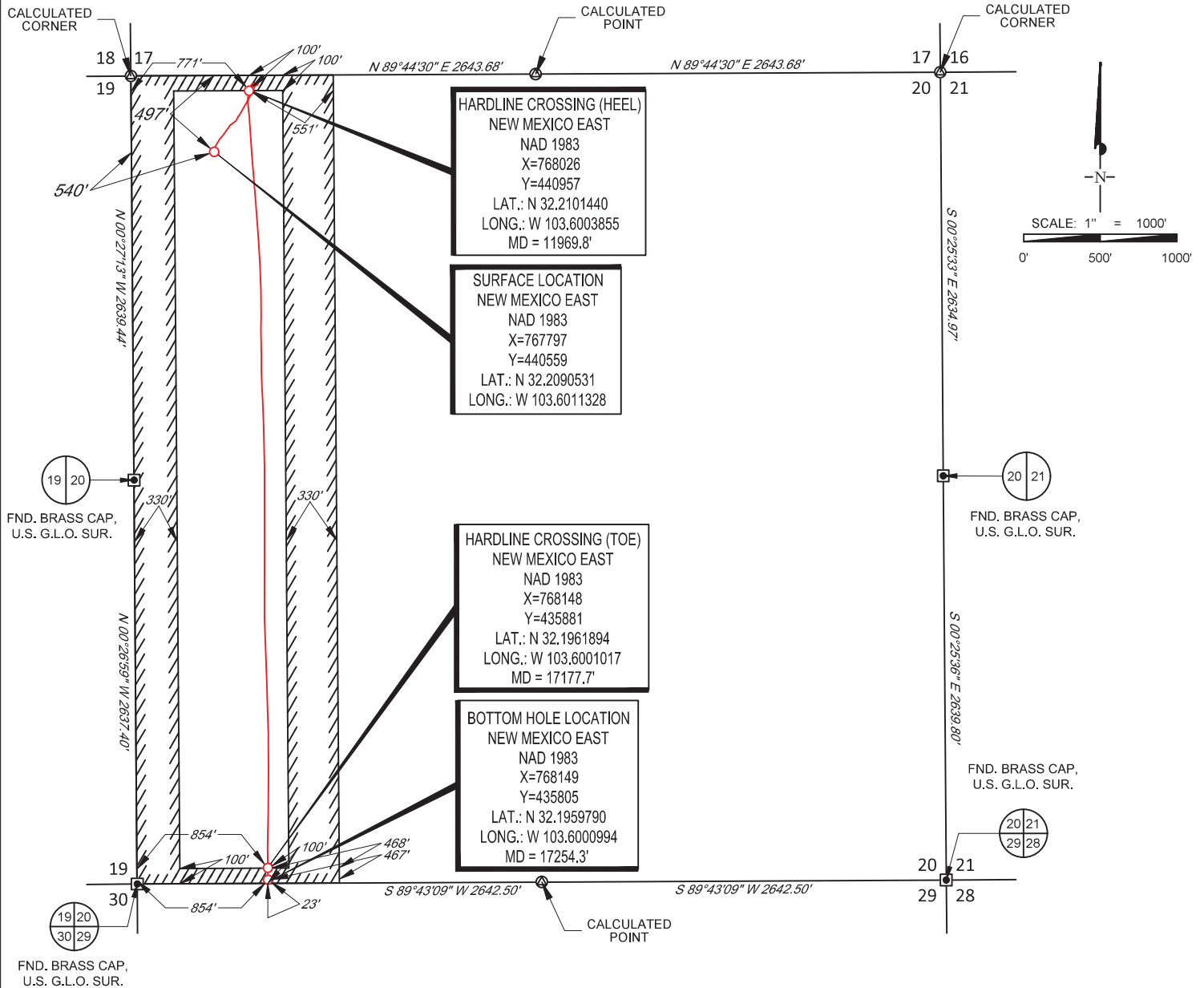
Date of Survey

Signature and Seal of Professional Surveyor



Certificate Number

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



LEASE NAME & WELL NO.: HYPERION STATE 131H
 SECTION 20 TWP 24-S RGE 33-E SURVEY N.M.P.M.
 COUNTY LEA STATE NM ELEVATION 3539'
 DESCRIPTION 497' FNL & 540' FWL



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

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

**INTERNAL
PRE-COMPLETION
PLAT**

HYPERION STATE 131H PRE-COMPLETION	REVISION:		NOTES:
	INT	DATE	
DATE: 05/26/2020			1. ORIGINAL DOCUMENT SIZE: 8.5" X 11" 2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET. 3. THIS WELL 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.
FILE: C_HYPERION_STATE_131H			
DRAWN BY: A.V.F.			
SHEET: 2 OF 2			



Rec'd 7/21/2020 - NMOCD

Tap Rock Resources, LLC

**Lea County, NM (NAD 83 NME)
(Hyperion) Sec-20_T-24-S_R-33-E
Hyperion State #131H
API# 30-025-46659
OWB**

Design: AWB

Standard Survey Report

10 March, 2020





Operator: TapRock Resources, LLC.
Well Name: Hyperion State #131H
County: Lea
State: New Mexico
Rig Name: H&P 245
Job Number: 30-025-46659

Intrepid Directional Drilling Specialists certifies that the surveys performed on the above referenced well are true and correct MWD surveys, data provided as follows:

Surveyor: Intrepid Directional Drilling Specialists
Survey Depths: 173' MD – 17,185' MD
Projection to Bit: 17,255' MD
Dates Performed: 1/10/2020 – 3/09/2020
Type of Survey: MWD

Sincerely,

A handwritten signature in blue ink, appearing to read "James Burleson".

James Burleson
Vice President of MWD Operations
Intrepid Directional Drilling Specialists



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Hyperion State #131H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3565.0usft (H&P 245)
Site:	(Hyperion) Sec-20_T-24-S_R-33-E	MD Reference:	KB @ 3565.0usft (H&P 245)
Well:	Hyperion State #131H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

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 #131H					
Well Position	+N/-S	0.0 usft	Northing:	440,559.00 usft	Latitude:	32° 12' 32.592 N
	+E/-W	0.0 usft	Easting:	767,797.00 usft	Longitude:	103° 36' 4.079 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,539.0 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	2020/01/03	6.69	60.01	47,663.41490698

Design	AWB				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	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	

Survey Program	Date	2020/03/10			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
173.0	17,255.0	Intrepid MWD (OWB)	MWD	OWSG MWD - Standard	

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
173.0	0.75	135.85	173.0	-0.8	0.8	0.8	0.43	0.43	0.00
232.0	0.53	185.86	232.0	-1.4	1.0	1.4	0.98	-0.37	84.76
322.0	0.53	117.22	322.0	-2.0	1.4	2.0	0.66	0.00	-76.27
411.0	0.31	92.96	411.0	-2.2	2.0	2.2	0.31	-0.25	-27.26
512.0	1.67	352.15	512.0	-0.7	2.0	0.7	1.74	1.35	-99.81
607.0	1.89	9.20	606.9	2.2	2.1	-2.2	0.60	0.23	17.95
702.0	1.23	354.96	701.9	4.8	2.3	-4.7	0.80	-0.69	-14.99
797.0	1.89	322.79	796.9	7.0	1.2	-7.0	1.13	0.69	-33.86
892.0	2.02	310.23	891.8	9.4	-1.0	-9.4	0.47	0.14	-13.22

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Well:	Hyperion State #131H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

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)
986.0	1.85	284.83	985.8	10.8	-3.7	-10.8	0.92	-0.18	-27.02
1,081.0	1.89	291.24	1,080.7	11.8	-6.7	-11.8	0.22	0.04	6.75
1,175.4	2.11	278.14	1,175.0	12.6	-9.8	-12.7	0.54	0.23	-13.88
Rustler Anhydrite									
1,176.0	2.11	278.06	1,175.6	12.6	-9.9	-12.7	0.54	0.28	-12.33
1,271.0	2.46	243.96	1,270.6	11.9	-13.4	-12.0	1.45	0.37	-35.89
1,428.0	1.14	238.24	1,427.5	9.6	-17.8	-9.8	0.85	-0.84	-3.64
1,520.5	0.97	237.39	1,520.0	8.7	-19.2	-8.9	0.18	-0.18	-0.92
Top Salt									
1,523.0	0.97	237.36	1,522.5	8.7	-19.3	-8.9	0.18	-0.18	-1.08
1,618.0	0.88	91.73	1,617.5	8.2	-19.2	-8.4	1.86	-0.09	-153.29
1,713.0	1.80	91.82	1,712.4	8.2	-17.0	-8.3	0.97	0.97	0.09
1,807.0	1.32	100.69	1,806.4	7.9	-14.5	-8.0	0.57	-0.51	9.44
1,902.0	1.01	86.72	1,901.4	7.8	-12.5	-7.9	0.44	-0.33	-14.71
1,997.0	1.14	83.56	1,996.4	7.9	-10.8	-8.0	0.15	0.14	-3.33
2,092.0	0.75	78.37	2,091.4	8.2	-9.2	-8.2	0.42	-0.41	-5.46
2,187.0	0.79	55.26	2,186.3	8.7	-8.1	-8.7	0.33	0.04	-24.33
2,281.0	0.70	42.95	2,280.3	9.4	-7.2	-9.5	0.19	-0.10	-13.10
2,376.0	0.66	49.72	2,375.3	10.2	-6.3	-10.3	0.09	-0.04	7.13
2,471.0	1.89	37.76	2,470.3	11.8	-5.0	-11.9	1.32	1.29	-12.59
2,566.0	5.05	33.63	2,565.1	16.5	-1.7	-16.5	3.33	3.33	-4.35
2,660.0	7.87	29.68	2,658.5	25.6	3.8	-25.5	3.04	3.00	-4.20
2,755.0	8.79	29.06	2,752.5	37.6	10.5	-37.5	0.97	0.97	-0.65
2,850.0	7.60	31.09	2,846.5	49.3	17.3	-49.2	1.29	-1.25	2.14
2,944.0	6.90	32.40	2,939.8	59.4	23.5	-59.2	0.77	-0.74	1.39
3,039.0	6.68	31.70	3,034.1	68.9	29.5	-68.7	0.25	-0.23	-0.74
3,134.0	5.98	33.46	3,128.5	77.7	35.1	-77.5	0.76	-0.74	1.85
3,229.0	5.58	35.92	3,223.1	85.6	40.6	-85.3	0.50	-0.42	2.59
3,323.0	5.23	39.79	3,316.6	92.6	46.0	-92.2	0.54	-0.37	4.12
3,418.0	4.70	39.87	3,411.3	98.9	51.3	-98.5	0.56	-0.56	0.08
3,513.0	5.27	39.43	3,505.9	105.3	56.5	-104.8	0.60	0.60	-0.46
3,608.0	7.56	33.99	3,600.3	113.8	62.8	-113.3	2.49	2.41	-5.73
3,703.0	9.32	35.74	3,694.3	125.2	70.8	-124.7	1.87	1.85	1.84
3,798.0	7.52	37.33	3,788.3	136.4	79.0	-135.8	1.91	-1.89	1.67
3,892.0	6.77	37.50	3,881.5	145.7	86.1	-145.0	0.80	-0.80	0.18
3,987.0	5.80	34.07	3,976.0	154.1	92.2	-153.4	1.09	-1.02	-3.61
4,082.0	4.97	33.99	4,070.5	161.5	97.2	-160.8	0.87	-0.87	-0.08
4,177.0	4.53	35.48	4,165.2	168.0	101.7	-167.2	0.48	-0.46	1.57
4,271.0	4.26	44.18	4,258.9	173.5	106.3	-172.7	0.76	-0.29	9.26
4,366.0	3.78	57.63	4,353.7	177.7	111.4	-176.8	1.11	-0.51	14.16
4,461.0	4.22	54.20	4,448.5	181.5	116.9	-180.5	0.53	0.46	-3.61
4,556.0	4.79	49.54	4,543.2	186.1	122.7	-185.1	0.71	0.60	-4.91
4,651.0	5.58	48.49	4,637.8	191.7	129.2	-190.7	0.84	0.83	-1.11
4,746.0	4.44	62.73	4,732.4	196.5	135.9	-195.4	1.77	-1.20	14.99

Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Hyperion State #131H
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Well:	Hyperion State #131H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

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)	
4,798.7	4.32	53.67	4,785.0	198.6	139.4	-197.5	1.33	-0.22	-17.18	
Base Salt										
4,841.0	4.31	46.20	4,827.2	200.6	141.8	-199.5	1.33	-0.03	-17.67	
4,935.0	5.41	25.20	4,920.8	207.1	146.2	-205.9	2.21	1.17	-22.34	
5,039.5	4.11	29.28	5,025.0	214.8	150.2	-213.6	1.28	-1.24	3.90	
Delaware Mountain Gp										
5,049.6	3.99	29.81	5,035.0	215.4	150.5	-214.2	1.28	-1.23	5.28	
Lamar										
5,052.0	3.96	29.94	5,037.4	215.6	150.6	-214.4	1.28	-1.22	5.48	
5,069.6	3.90	29.39	5,055.0	216.6	151.2	-215.4	0.41	-0.35	-3.14	
Bell Canyon										
5,084.6	3.85	28.90	5,070.0	217.5	151.7	-216.3	0.41	-0.35	-3.24	
Ramsey Sand										
5,209.0	3.43	24.32	5,194.1	224.5	155.2	-223.3	0.41	-0.34	-3.68	
5,304.0	4.04	32.58	5,288.9	229.9	158.2	-228.7	0.85	0.64	8.69	
5,399.0	5.71	31.61	5,383.6	236.8	162.5	-235.5	1.76	1.76	-1.02	
5,494.0	6.59	29.24	5,478.0	245.6	167.6	-244.2	0.96	0.93	-2.49	
5,589.0	6.24	30.29	5,572.4	254.8	172.9	-253.4	0.39	-0.37	1.11	
5,683.0	6.99	29.77	5,665.8	264.2	178.3	-262.7	0.80	0.80	-0.55	
5,778.0	7.74	33.28	5,760.0	274.5	184.7	-273.1	0.92	0.79	3.69	
5,873.0	6.86	31.88	5,854.2	284.7	191.2	-283.2	0.94	-0.93	-1.47	
5,968.0	6.02	29.50	5,948.6	293.8	196.6	-292.3	0.93	-0.88	-2.51	
5,979.4	6.16	29.38	5,960.0	294.9	197.2	-293.3	1.20	1.20	-1.08	
Cherry Canyon										
6,063.0	7.16	28.62	6,043.0	303.4	201.9	-301.8	1.20	1.20	-0.91	
6,158.0	8.62	29.50	6,137.1	314.8	208.3	-313.1	1.54	1.54	0.93	
6,253.0	8.00	28.45	6,231.1	326.8	214.9	-325.1	0.67	-0.65	-1.11	
6,348.0	8.00	28.54	6,325.2	338.4	221.2	-336.7	0.01	0.00	0.09	
6,443.0	7.78	28.98	6,419.3	349.8	227.5	-348.0	0.24	-0.23	0.46	
6,538.0	7.91	30.38	6,513.4	361.1	233.9	-359.2	0.24	0.14	1.47	
6,633.0	7.74	29.50	6,607.5	372.3	240.4	-370.4	0.22	-0.18	-0.93	
6,727.0	7.38	28.71	6,700.7	383.1	246.4	-381.2	0.40	-0.38	-0.84	
6,822.0	6.55	25.90	6,795.0	393.3	251.7	-391.3	0.94	-0.87	-2.96	
6,917.0	6.02	25.37	6,889.4	402.7	256.2	-400.7	0.56	-0.56	-0.56	
7,012.0	5.10	24.32	6,984.0	411.1	260.1	-409.0	0.97	-0.97	-1.11	
7,107.0	4.79	24.23	7,078.6	418.5	263.4	-416.4	0.33	-0.33	-0.09	
7,202.0	4.75	24.05	7,173.3	425.7	266.7	-423.6	0.04	-0.04	-0.19	
7,296.0	4.40	21.86	7,267.0	432.6	269.6	-430.5	0.42	-0.37	-2.33	
7,391.0	4.35	25.72	7,361.7	439.3	272.5	-437.1	0.31	-0.05	4.06	
7,444.4	3.21	34.78	7,415.0	442.3	274.3	-440.1	2.41	-2.14	16.97	
Brushy Canyon										
7,486.0	2.42	47.52	7,456.5	443.9	275.6	-441.7	2.41	-1.89	30.62	
7,581.0	1.63	62.20	7,551.5	445.8	278.2	-443.6	0.99	-0.83	15.45	
7,676.0	1.19	57.80	7,646.5	447.0	280.3	-444.8	0.48	-0.46	-4.63	
7,771.0	0.97	66.15	7,741.4	447.9	281.8	-445.6	0.28	-0.23	8.79	

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Well:	Hyperion State #131H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

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)
7,865.0	0.84	84.96	7,835.4	448.2	283.3	-446.0	0.34	-0.14	20.01
7,960.0	0.70	105.62	7,930.4	448.1	284.5	-445.9	0.32	-0.15	21.75
8,055.0	0.75	113.35	8,025.4	447.7	285.6	-445.5	0.12	0.05	8.14
8,150.0	0.48	134.27	8,120.4	447.2	286.5	-444.9	0.37	-0.28	22.02
8,244.0	0.79	181.29	8,214.4	446.3	286.8	-444.0	0.62	0.33	50.02
8,339.0	1.23	183.14	8,309.4	444.6	286.7	-442.4	0.46	0.46	1.95
8,434.0	1.58	190.26	8,404.4	442.3	286.4	-440.0	0.41	0.37	7.49
8,529.0	1.71	196.14	8,499.3	439.7	285.8	-437.4	0.22	0.14	6.19
8,623.0	0.66	175.23	8,593.3	437.8	285.4	-435.5	1.19	-1.12	-22.24
8,718.0	0.35	194.47	8,688.3	436.9	285.4	-434.7	0.37	-0.33	20.25
8,813.0	0.70	228.84	8,783.3	436.3	284.9	-434.0	0.48	0.37	36.18
8,908.0	1.19	248.79	8,878.3	435.5	283.5	-433.3	0.61	0.52	21.00
9,002.0	1.67	250.81	8,972.3	434.7	281.3	-432.5	0.51	0.51	2.15
9,049.8	1.10	251.71	9,020.0	434.4	280.2	-432.2	1.20	-1.20	1.88
Bone Spring Lime									
9,097.0	0.53	254.50	9,067.2	434.2	279.6	-432.0	1.20	-1.20	5.91
9,192.0	0.97	257.76	9,162.2	433.9	278.4	-431.7	0.47	0.46	3.43
9,209.8	1.11	258.98	9,180.0	433.8	278.1	-431.6	0.79	0.78	6.83
Upper Avalon									
9,287.0	1.71	261.97	9,257.2	433.5	276.2	-431.3	0.79	0.78	3.88
9,382.0	1.32	260.66	9,352.2	433.1	273.7	-431.0	0.41	-0.41	-1.38
9,449.9	1.16	267.79	9,420.0	433.0	272.3	-430.8	0.33	-0.24	10.50
Middle Avalon									
9,477.0	1.10	271.20	9,447.1	433.0	271.7	-430.8	0.33	-0.22	12.58
9,572.0	1.23	259.86	9,542.1	432.8	269.8	-430.7	0.28	0.14	-11.94
9,667.0	0.70	270.76	9,637.1	432.6	268.2	-430.5	0.59	-0.56	11.47
9,763.0	1.32	250.55	9,733.1	432.3	266.6	-430.2	0.74	0.65	-21.05
9,814.9	1.80	251.60	9,785.0	431.8	265.3	-429.7	0.93	0.93	2.03
Lower Avalon									
9,858.0	2.20	252.13	9,828.0	431.4	263.8	-429.3	0.93	0.93	1.22
9,953.0	1.19	277.35	9,923.0	430.9	261.1	-428.9	1.30	-1.06	26.55
10,048.0	2.24	20.80	10,018.0	432.8	260.8	-430.7	2.92	1.11	108.89
10,075.0	2.37	20.40	10,045.0	433.8	261.2	-431.7	0.47	0.46	-1.47
1st Bone Spring Sand									
10,143.0	2.68	19.57	10,112.9	436.6	262.2	-434.5	0.47	0.46	-1.23
10,238.0	2.02	55.87	10,207.8	439.7	264.3	-437.6	1.68	-0.69	38.21
10,333.0	1.89	86.72	10,302.8	440.7	267.3	-438.6	1.10	-0.14	32.47
10,405.3	1.68	75.17	10,375.0	441.0	269.5	-438.9	0.57	-0.29	-15.97
2nd Bone Spring Carb									
10,428.0	1.63	70.99	10,397.7	441.2	270.1	-439.1	0.57	-0.22	-18.41
10,523.0	1.45	49.98	10,492.7	442.4	272.3	-440.3	0.62	-0.19	-22.12
10,618.0	1.23	21.07	10,587.7	444.1	273.6	-442.0	0.74	-0.23	-30.43
10,713.0	1.41	27.66	10,682.6	446.1	274.5	-444.0	0.25	0.19	6.94
10,730.4	1.25	26.68	10,700.0	446.5	274.7	-444.3	0.95	-0.94	-5.66

Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Hyperion State #131H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3565.0usft (H&P 245)
Site:	(Hyperion) Sec-20_T-24-S_R-33-E	MD Reference:	KB @ 3565.0usft (H&P 245)
Well:	Hyperion State #131H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

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)
2nd Bone Spring Sand									
10,808.0	0.53	14.91	10,777.6	447.6	275.2	-445.4	0.95	-0.92	-15.16
10,902.0	0.31	30.21	10,871.6	448.2	275.4	-446.1	0.26	-0.23	16.28
10,997.0	0.26	346.00	10,966.6	448.7	275.5	-446.5	0.23	-0.05	-46.54
11,092.0	1.01	272.34	11,061.6	448.9	274.6	-446.7	1.02	0.79	-77.54
11,187.0	1.76	271.38	11,156.6	449.0	272.3	-446.8	0.79	0.79	-1.01
11,282.0	1.63	258.02	11,251.5	448.7	269.5	-446.6	0.44	-0.14	-14.06
11,320.5	1.68	257.24	11,290.0	448.5	268.4	-446.4	0.15	0.14	-2.04
3rd Bone Spring Carb									
11,377.0	1.76	256.17	11,346.5	448.1	266.8	-446.0	0.15	0.14	-1.89
11,472.0	2.64	256.79	11,441.4	447.3	263.2	-445.2	0.93	0.93	0.65
11,523.0	2.64	254.94	11,492.4	446.7	261.0	-444.6	0.17	0.00	-3.63
11,589.0	2.73	260.04	11,558.3	446.0	257.9	-444.0	0.39	0.14	7.73
11,684.0	3.56	258.63	11,653.2	445.0	252.8	-443.0	0.88	0.87	-1.48
11,778.0	7.16	227.96	11,746.7	440.5	245.6	-438.6	4.77	3.83	-32.63
11,872.0	13.71	201.07	11,839.2	426.2	237.2	-424.3	8.51	6.97	-28.61
11,945.8	18.91	196.54	11,910.0	406.6	230.7	-404.7	7.25	7.05	-6.13
3rd Bone Spring Sand									
11,966.0	20.35	195.70	11,929.0	400.0	228.8	-398.2	7.25	7.11	-4.18
11,971.1	21.12	194.90	11,933.8	398.3	228.3	-396.5	16.10	15.12	-15.62
FTP @ 11971.1'MD, 100'FNL & 550.7'FEL									
12,013.0	27.56	189.99	11,972.0	381.4	224.7	-379.7	16.10	15.37	-11.73
12,061.0	33.98	184.45	12,013.2	357.1	221.7	-355.3	14.61	13.38	-11.54
12,108.0	38.68	177.95	12,051.1	329.3	221.2	-327.6	12.92	10.00	-13.83
12,155.0	40.84	174.17	12,087.2	299.3	223.3	-297.6	6.90	4.60	-8.04
12,202.0	47.74	174.61	12,120.8	266.7	226.5	-264.9	14.70	14.68	0.94
12,248.0	53.36	175.05	12,150.0	231.3	229.7	-229.5	12.24	12.22	0.96
12,295.0	60.84	174.96	12,175.5	192.0	233.2	-190.2	15.92	15.91	-0.19
12,342.0	67.43	175.05	12,196.0	149.9	236.8	-148.1	14.02	14.02	0.19
12,389.0	75.25	176.81	12,211.1	105.5	240.0	-103.7	17.01	16.64	3.74
12,429.8	79.43	176.65	12,220.0	65.8	242.2	-63.9	10.25	10.24	-0.39
3rd BS W Sand									
12,435.0	79.96	176.63	12,220.9	60.7	242.5	-58.8	10.25	10.24	-0.39
12,530.0	85.32	176.37	12,233.1	-33.3	248.3	35.3	5.65	5.64	-0.27
12,625.0	86.81	174.96	12,239.6	-127.8	255.5	129.8	2.16	1.57	-1.48
12,714.0	88.70	175.05	12,243.1	-216.4	263.2	218.5	2.13	2.12	0.10
12,808.0	87.65	175.14	12,246.1	-310.0	271.2	312.1	1.12	-1.12	0.10
12,902.0	88.84	176.02	12,249.0	-403.7	278.5	405.8	1.57	1.27	0.94
12,997.0	88.79	176.46	12,250.9	-498.4	284.7	500.7	0.47	-0.05	0.46
13,091.0	86.64	175.31	12,254.7	-592.1	291.4	594.4	2.59	-2.29	-1.22
13,185.0	87.52	176.02	12,259.5	-685.7	298.5	688.1	1.20	0.94	0.76
13,280.0	90.46	178.39	12,261.1	-780.6	303.2	782.9	3.97	3.09	2.49
13,373.0	91.03	179.18	12,259.9	-873.6	305.1	875.9	1.05	0.61	0.85
13,468.0	91.34	179.18	12,258.0	-968.5	306.5	970.9	0.33	0.33	0.00

Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Hyperion State #131H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3565.0usft (H&P 245)
Site:	(Hyperion) Sec-20_T-24-S_R-33-E	MD Reference:	KB @ 3565.0usft (H&P 245)
Well:	Hyperion State #131H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

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)
13,562.0	90.55	180.24	12,256.4	-1,062.5	307.0	1,064.9	1.41	-0.84	1.13
13,656.0	91.16	179.88	12,255.0	-1,156.5	306.9	1,158.9	0.75	0.65	-0.38
13,751.0	90.86	179.44	12,253.3	-1,251.5	307.4	1,253.9	0.56	-0.32	-0.46
13,845.0	90.86	179.36	12,251.9	-1,345.5	308.4	1,347.8	0.09	0.00	-0.09
13,938.0	91.12	178.48	12,250.3	-1,438.4	310.2	1,440.8	0.99	0.28	-0.95
14,032.0	90.51	177.86	12,249.0	-1,532.4	313.2	1,534.8	0.93	-0.65	-0.66
14,127.0	90.59	177.34	12,248.1	-1,627.3	317.2	1,629.7	0.55	0.08	-0.55
14,222.0	90.51	177.34	12,247.2	-1,722.2	321.6	1,724.7	0.08	-0.08	0.00
14,317.0	90.55	178.92	12,246.3	-1,817.1	324.7	1,819.6	1.66	0.04	1.66
14,411.0	90.51	178.21	12,245.4	-1,911.1	327.0	1,913.6	0.76	-0.04	-0.76
14,505.0	91.08	179.44	12,244.1	-2,005.1	328.9	2,007.6	1.44	0.61	1.31
14,599.0	91.16	179.18	12,242.3	-2,099.0	330.1	2,101.6	0.29	0.09	-0.28
14,694.0	91.25	180.15	12,240.3	-2,194.0	330.6	2,196.5	1.03	0.09	1.02
14,789.0	91.16	179.62	12,238.3	-2,289.0	330.8	2,291.5	0.57	-0.09	-0.56
14,884.0	92.00	179.53	12,235.7	-2,383.9	331.5	2,386.5	0.89	0.88	-0.09
14,978.0	91.69	181.03	12,232.6	-2,477.9	331.1	2,480.4	1.63	-0.33	1.60
15,073.0	88.92	180.94	12,232.1	-2,572.9	329.4	2,575.4	2.92	-2.92	-0.09
15,165.0	88.48	180.59	12,234.2	-2,664.8	328.2	2,667.3	0.61	-0.48	-0.38
15,259.0	89.71	180.24	12,235.7	-2,758.8	327.5	2,761.3	1.36	1.31	-0.37
15,353.0	90.07	179.71	12,235.9	-2,852.8	327.6	2,855.3	0.68	0.38	-0.56
15,447.0	90.95	179.27	12,235.0	-2,946.8	328.4	2,949.3	1.05	0.94	-0.47
15,542.0	90.59	178.83	12,233.8	-3,041.8	330.0	3,044.3	0.60	-0.38	-0.46
15,637.0	90.02	178.04	12,233.3	-3,136.8	332.6	3,139.3	1.03	-0.60	-0.83
15,730.0	88.97	178.04	12,234.1	-3,229.7	335.8	3,232.2	1.13	-1.13	0.00
15,825.0	88.04	177.95	12,236.6	-3,324.6	339.1	3,327.2	0.98	-0.98	-0.09
15,918.0	89.14	177.51	12,238.8	-3,417.5	342.8	3,420.1	1.27	1.18	-0.47
16,013.0	90.95	178.65	12,238.8	-3,512.4	345.9	3,515.0	2.25	1.91	1.20
16,108.0	89.05	177.69	12,238.8	-3,607.4	349.0	3,610.0	2.24	-2.00	-1.01
16,203.0	89.23	178.21	12,240.2	-3,702.3	352.4	3,705.0	0.58	0.19	0.55
16,298.0	91.12	179.36	12,239.9	-3,797.3	354.4	3,800.0	2.33	1.99	1.21
16,392.0	90.73	179.88	12,238.4	-3,891.3	355.0	3,893.9	0.69	-0.41	0.55
16,487.0	90.64	179.88	12,237.3	-3,986.3	355.2	3,988.9	0.09	-0.09	0.00
16,581.0	89.71	179.44	12,237.0	-4,080.3	355.8	4,082.9	1.09	-0.99	-0.47
16,675.0	89.63	180.76	12,237.5	-4,174.3	355.6	4,176.9	1.41	-0.09	1.40
16,770.0	88.88	181.11	12,238.7	-4,269.2	354.1	4,271.9	0.87	-0.79	0.37
16,865.0	90.24	181.11	12,239.5	-4,364.2	352.2	4,366.8	1.43	1.43	0.00
16,959.0	88.84	180.85	12,240.2	-4,458.2	350.6	4,460.8	1.51	-1.49	-0.28
17,053.0	88.79	180.24	12,242.2	-4,552.2	349.7	4,554.8	0.65	-0.05	-0.65
17,147.0	88.40	179.01	12,244.5	-4,646.1	350.3	4,648.7	1.37	-0.41	-1.31
17,178.5	88.14	179.08	12,245.4	-4,677.6	350.9	4,680.2	0.84	-0.82	0.21
LTP @ 17178.5'MD, 100'FSL & 467.8'FEL									
17,185.0	88.09	179.09	12,245.6	-4,684.1	351.0	4,686.7	0.84	-0.82	0.21
LAST SVY									
17,255.0	88.09	179.09	12,248.0	-4,754.1	352.1	4,756.7	0.00	0.00	0.00

Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Hyperion State #131H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3565.0usft (H&P 245)
Site:	(Hyperion) Sec-20_T-24-S_R-33-E	MD Reference:	KB @ 3565.0usft (H&P 245)
Well:	Hyperion State #131H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

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)
Projection to TD @ 17255'MD, 23.6'FSL & 467.1'FEL									

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting		
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)	Latitude	Longitude
PBHL (Hyperion State	-0.20	179.55	12,237.0	-4,773.0	323.0	435,786.00	768,120.00	32° 11' 45.340 N	103° 36' 0.699 W
- actual wellpath misses target center by 36.4usft at 17255.0usft MD (12248.0 TVD, -4754.1 N, 352.1 E)									
- Rectangle (sides W100.0 H5,172.0 D30.0)									
LTP (Hyperion State #	0.00	0.00	12,237.0	-4,678.0	322.0	435,881.00	768,119.00	32° 11' 46.280 N	103° 36' 0.703 W
- actual wellpath misses target center by 30.1usft at 17178.1usft MD (12245.4 TVD, -4677.3 N, 350.8 E)									
- Point									
FTP (Hyperion State #	0.00	0.00	12,254.0	399.0	282.0	440,958.00	768,079.00	32° 12' 36.521 N	103° 36' 0.766 W
- actual wellpath misses target center by 195.8usft at 12202.0usft MD (12120.8 TVD, 266.7 N, 226.5 E)									
- Point									

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,175.4	1,175.0	Rustler Anhydrite				
1,520.5	1,520.0	Top Salt				
4,798.7	4,785.0	Base Salt				
5,039.5	5,025.0	Delaware Mountain Gp				
5,049.6	5,035.0	Lamar				
5,069.6	5,055.0	Bell Canyon				
5,084.6	5,070.0	Ramsey Sand				
5,979.4	5,960.0	Cherry Canyon				
7,444.4	7,415.0	Brushy Canyon				
9,049.8	9,020.0	Bone Spring Lime				
9,209.8	9,180.0	Upper Avalon				
9,449.9	9,420.0	Middle Avalon				
9,814.9	9,785.0	Lower Avalon				
10,075.0	10,045.0	1st Bone Spring Sand				
10,405.3	10,375.0	2nd Bone Spring Carb				
10,730.4	10,700.0	2nd Bone Spring Sand				
11,320.5	11,290.0	3rd Bone Spring Carb				
11,945.8	11,910.0	3rd Bone Spring Sand				
12,429.8	12,220.0	3rd BS W Sand				



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Hyperion State #131H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3565.0usft (H&P 245)
Site:	(Hyperion) Sec-20_T-24-S_R-33-E	MD Reference:	KB @ 3565.0usft (H&P 245)
Well:	Hyperion State #131H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
11,971.1	11,933.8	398.3	228.3	FTP @ 11971.1'MD, 100'FNL & 550.7'FEL
17,178.5	12,245.4	-4,677.6	350.9	LTP @ 17178.5'MD, 100'FSL & 467.8'FEL
17,185.0	12,245.6	-4,684.1	351.0	LAST SVY
17,255.0	12,248.0	-4,754.1	352.1	Projection to TD @ 17255'MD, 23.6'FSL & 467.1'FEL

Checked By: _____ Approved By: _____ Date: _____