

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

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

AS-DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-46660	² Pool Code 98135	³ Pool Name WC025 G09 S243310P; UPPER WOLFCAMP
⁴ Property Code 325410	⁵ Property Name HYPERION STATE	⁶ Well Number 205H
⁷ OGRID No. 372043	⁸ Operator Name TAP ROCK OPERATING, LLC.	⁹ Elevation 3538'

¹⁰Surface Location

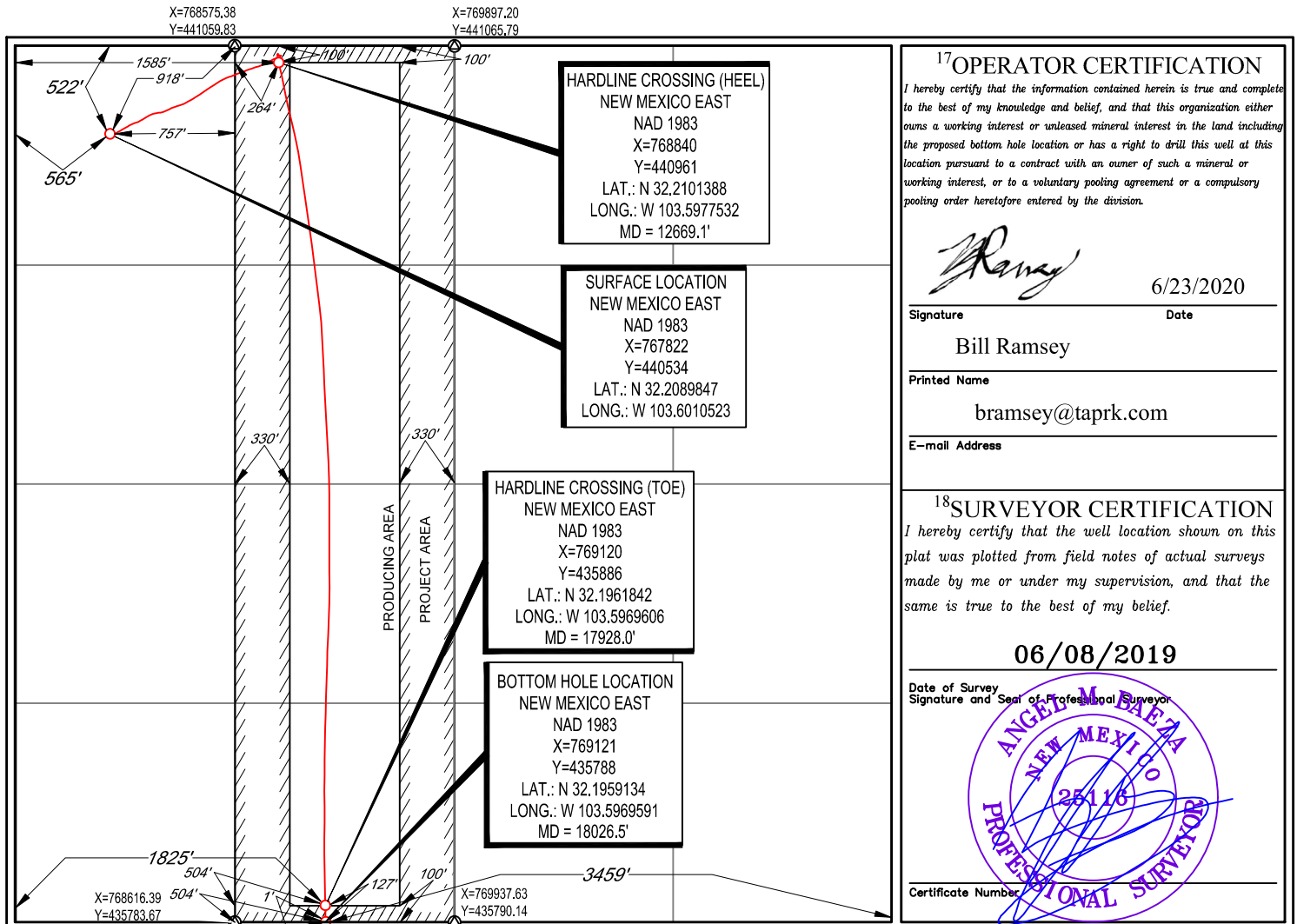
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	20	24-S	33-E	-	522'	NORTH	565'	WEST	LEA

¹¹Bottom Hole Location If Different From Surface

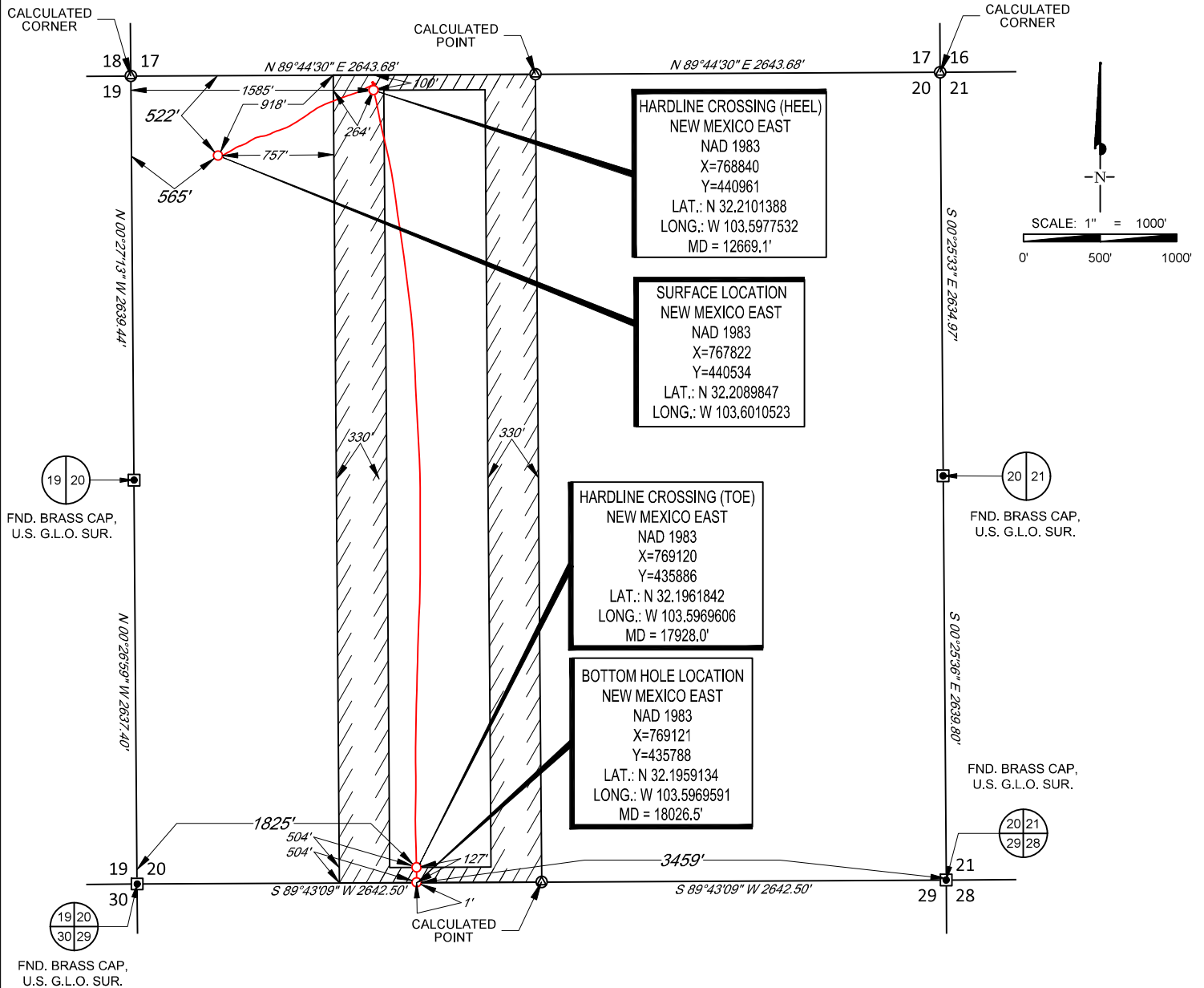
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	20	24-S	33-E	-	1'	SOUTH	3459'	EAST	LEA

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.



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



LEASE NAME & WELL NO.: HYPERION STATE 205H
SECTION 20 TWP 24-S RGE 33-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 3538'
DESCRIPTION 522' FNL & 565' 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 205H PRE-COMPLETION	REVISION:	
	INT	DATE
DATE: 05/26/2020		
FILE: C:\HYPERION_STATE_205H_REV1		
DRAWN BY: A.V.F.		
SHEET: 1 OF 1		

NOTES:

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.



Tap Rock Resources, LLC

**Lea County, NM (NAD 83 NME)
(Hyperion) Sec-20_T-24-S_R-33-E
Hyperion State #205H
API# 30-025-46660
OWB**

Design: AWB

Standard Survey Report

20 February, 2020





Operator: TapRock Resources LLC
Well Name: Hyperion State #205H
County: Lea
State: New Mexico
Rig Name: H&P 245
Job Number: 30-025-46660

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: 176' MD – 17,955' MD
Projection to Bit: 18,028' MD
Dates Performed: 1/12/2020 – 2/19/2020
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 #205H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3564.0usft (H&P 245)
Site:	(Hyperion) Sec-20_T-24-S_R-33-E	MD Reference:	KB @ 3564.0usft (H&P 245)
Well:	Hyperion State #205H	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
From:	Map	Easting:	767,798.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 12' 32.058 N
		Longitude:	103° 36' 4.072 W
		Grid Convergence:	0.39 °

Well	Hyperion State #205H		
Well Position	+N/-S	0.0 usft	Northing: 440,534.00 usft
	+E/-W	0.0 usft	Easting: 767,822.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 12' 32.343 N
		Longitude:	103° 36' 3.790 W
		Ground Level:	3,538.0 usft

Wellbore	OWB		
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	01/03/20	6.69	60.01	47,663.38965917

Design	AWB		
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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	02/20/20
From (usft)	To (usft)	Survey (Wellbore)
176.0	18,028.0	Intrepid MWD (OWB)
Tool Name	Description	
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
	176.0	0.79	128.12	176.0	-0.7	1.0	0.8	0.45	0.45	0.00
	236.0	0.84	134.09	236.0	-1.3	1.6	1.3	0.16	0.08	9.95
	326.0	0.09	220.23	326.0	-1.8	2.0	1.8	0.93	-0.83	95.71
	418.0	0.84	125.83	418.0	-2.3	2.5	2.3	0.93	0.82	-102.61
	512.0	0.48	183.49	512.0	-3.1	3.1	3.1	0.76	-0.38	61.34
	607.0	1.32	142.97	607.0	-4.3	3.7	4.4	1.06	0.88	-42.65
	702.0	0.57	162.13	702.0	-5.7	4.5	5.7	0.85	-0.79	20.17
	797.0	1.19	139.28	796.9	-6.9	5.3	6.9	0.74	0.65	-24.05
	892.0	0.62	184.10	891.9	-8.1	5.9	8.2	0.91	-0.60	47.18

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Well:	Hyperion State #205H	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	0.88	153.43	985.9	-9.3	6.2	9.3	0.50	0.28	-32.63
1,081.0	0.97	170.30	1,080.9	-10.7	6.6	10.8	0.30	0.09	17.76
1,175.1	0.92	219.09	1,175.0	-12.1	6.3	12.1	0.83	-0.06	51.84
Rustler Anhydrite									
1,176.0	0.92	219.52	1,175.9	-12.1	6.3	12.1	0.83	0.30	48.29
1,254.0	1.14	213.90	1,253.9	-13.2	5.5	13.3	0.31	0.28	-7.21
1,366.0	0.97	218.73	1,365.9	-14.9	4.2	14.9	0.17	-0.15	4.31
1,460.0	1.32	216.27	1,459.8	-16.4	3.1	16.4	0.38	0.37	-2.62
1,520.2	0.75	208.40	1,520.0	-17.3	2.5	17.3	0.97	-0.95	-13.08
Top Salt									
1,555.0	0.44	194.65	1,554.8	-17.6	2.4	17.6	0.97	-0.89	-39.48
1,650.0	0.53	173.73	1,649.8	-18.4	2.3	18.4	0.21	0.09	-22.02
1,745.0	0.48	231.12	1,744.8	-19.1	2.1	19.1	0.51	-0.05	60.41
1,840.0	0.18	329.74	1,839.8	-19.2	1.7	19.2	0.57	-0.32	103.81
1,934.0	0.35	192.45	1,933.8	-19.4	1.5	19.4	0.53	0.18	-146.05
2,029.0	0.09	166.52	2,028.8	-19.7	1.5	19.7	0.29	-0.27	-27.29
2,124.0	0.48	268.48	2,123.8	-19.8	1.1	19.8	0.53	0.41	107.33
2,218.0	0.88	20.27	2,217.8	-19.1	1.0	19.1	1.22	0.43	118.93
2,408.0	6.46	58.51	2,407.4	-12.2	10.6	12.3	3.05	2.94	20.13
2,597.0	9.71	58.77	2,594.5	1.6	33.3	-1.4	1.72	1.72	0.14
2,692.0	9.54	60.09	2,688.1	9.7	47.0	-9.3	0.29	-0.18	1.39
2,787.0	9.10	59.21	2,781.9	17.5	60.3	-17.0	0.49	-0.46	-0.93
2,882.0	8.79	59.74	2,875.7	25.0	73.0	-24.4	0.34	-0.33	0.56
2,977.0	8.04	60.88	2,969.7	31.9	85.0	-31.2	0.81	-0.79	1.20
3,167.0	7.30	57.80	3,158.0	44.8	106.9	-43.9	0.45	-0.39	-1.62
3,261.0	6.99	58.07	3,251.3	51.0	116.8	-50.1	0.33	-0.33	0.29
3,356.0	7.08	65.54	3,345.5	56.5	127.0	-55.5	0.97	0.09	7.86
3,451.0	8.04	70.28	3,439.7	61.1	138.6	-60.0	1.20	1.01	4.99
3,546.0	7.08	70.55	3,533.9	65.3	150.4	-64.1	1.01	-1.01	0.28
3,735.0	6.68	67.82	3,721.5	73.4	171.5	-72.0	0.27	-0.21	-1.44
3,830.0	8.66	62.46	3,815.7	78.7	183.0	-77.3	2.21	2.08	-5.64
3,925.0	9.85	58.07	3,909.4	86.4	196.2	-84.8	1.46	1.25	-4.62
4,020.0	9.19	58.42	4,003.1	94.6	209.6	-93.0	0.70	-0.69	0.37
4,115.0	8.48	57.89	4,097.0	102.3	222.0	-100.6	0.75	-0.75	-0.56
4,209.0	7.78	59.74	4,190.1	109.2	233.4	-107.4	0.79	-0.74	1.97
4,304.0	7.03	63.43	4,284.3	115.1	244.1	-113.1	0.93	-0.79	3.88
4,399.0	7.30	74.42	4,378.5	119.3	255.1	-117.3	1.47	0.28	11.57
4,494.0	8.04	75.29	4,472.7	122.6	267.4	-120.5	0.79	0.78	0.92
4,589.0	7.82	81.01	4,566.8	125.3	280.2	-123.1	0.86	-0.23	6.02
4,684.0	7.60	82.59	4,660.9	127.1	292.8	-124.8	0.32	-0.23	1.66
4,778.0	7.52	83.64	4,754.1	128.6	305.1	-126.2	0.17	-0.09	1.12
4,809.2	7.81	78.69	4,785.0	129.2	309.2	-126.8	2.32	0.94	-15.88
Base Salt									
4,873.0	8.57	69.76	4,848.2	131.7	317.9	-129.2	2.32	1.19	-13.99

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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)
4,968.0	7.87	69.23	4,942.2	136.5	330.6	-133.9	0.74	-0.74	-0.56
5,051.5	6.94	66.43	5,025.0	140.5	340.6	-137.8	1.20	-1.12	-3.36
Delaware Mountain Gp									
5,061.6	6.83	66.04	5,035.0	141.0	341.7	-138.3	1.20	-1.10	-3.87
Lamar									
5,063.0	6.81	65.98	5,036.4	141.1	341.8	-138.4	1.20	-1.10	-3.94
5,076.7	6.82	65.61	5,050.0	141.7	343.3	-139.0	0.33	0.09	-2.67
Bell Canyon									
5,091.8	6.84	65.21	5,065.0	142.5	344.9	-139.8	0.33	0.09	-2.66
Ramsey Sand									
5,207.0	6.95	62.20	5,179.4	148.6	357.3	-145.8	0.33	0.10	-2.61
5,302.0	8.48	65.80	5,273.5	154.2	368.8	-151.3	1.69	1.61	3.79
5,397.0	10.68	70.02	5,367.2	160.0	383.5	-157.0	2.43	2.32	4.44
5,492.0	13.10	72.57	5,460.1	166.3	402.0	-163.1	2.61	2.55	2.68
5,587.0	14.59	70.90	5,552.4	173.4	423.6	-170.1	1.62	1.57	-1.76
5,681.0	15.78	68.09	5,643.1	182.1	446.6	-178.5	1.49	1.27	-2.99
5,776.0	17.41	59.56	5,734.2	194.1	470.9	-190.4	3.08	1.72	-8.98
5,871.0	17.32	59.56	5,824.8	208.4	495.3	-204.6	0.09	-0.09	0.00
5,966.0	16.22	58.07	5,915.8	222.6	518.8	-218.5	1.24	-1.16	-1.57
6,012.0	16.09	57.35	5,960.0	229.5	529.6	-225.3	0.52	-0.28	-1.57
Cherry Canyon									
6,061.0	15.96	56.57	6,007.1	236.8	541.0	-232.6	0.52	-0.27	-1.59
6,156.0	16.00	55.52	6,098.4	251.5	562.6	-247.0	0.31	0.04	-1.11
6,251.0	15.82	55.43	6,189.8	266.2	584.1	-261.6	0.19	-0.19	-0.09
6,346.0	15.16	56.49	6,281.3	280.4	605.1	-275.7	0.76	-0.69	1.12
6,441.0	15.52	56.05	6,372.9	294.4	626.0	-289.4	0.40	0.38	-0.46
6,536.0	13.27	58.16	6,464.9	307.2	645.8	-302.1	2.43	-2.37	2.22
6,631.0	12.62	60.62	6,557.5	318.1	664.1	-312.8	0.90	-0.68	2.59
6,725.0	11.74	64.31	6,649.4	327.3	681.7	-321.9	1.25	-0.94	3.93
6,820.0	10.95	67.65	6,742.5	334.9	698.8	-329.4	1.08	-0.83	3.52
6,915.0	10.81	69.05	6,835.8	341.5	715.4	-335.9	0.31	-0.15	1.47
7,010.0	10.59	68.61	6,929.2	347.9	731.9	-342.1	0.25	-0.23	-0.46
7,105.0	10.33	69.14	7,022.6	354.1	748.0	-348.2	0.29	-0.27	0.56
7,200.0	10.33	68.44	7,116.1	360.2	763.8	-354.2	0.13	0.00	-0.74
7,295.0	10.07	69.05	7,209.6	366.3	779.5	-360.2	0.30	-0.27	0.64
7,389.0	10.11	69.32	7,302.1	372.2	794.9	-365.9	0.07	0.04	0.29
7,484.0	10.07	68.97	7,395.6	378.1	810.5	-371.7	0.08	-0.04	-0.37
7,503.7	9.97	69.20	7,415.0	379.3	813.7	-372.9	0.55	-0.52	1.15
Brushy Canyon									
7,579.0	9.58	70.11	7,489.2	383.8	825.6	-377.3	0.55	-0.52	1.21
7,674.0	8.92	71.95	7,583.0	388.8	840.1	-382.1	0.76	-0.69	1.94
7,769.0	7.82	71.95	7,677.0	393.0	853.2	-386.3	1.16	-1.16	0.00
7,863.0	8.53	71.51	7,770.0	397.2	865.9	-390.4	0.76	0.76	-0.47
7,958.0	9.41	71.60	7,863.9	401.9	880.0	-395.0	0.93	0.93	0.09
8,053.0	8.79	72.04	7,957.7	406.6	894.3	-399.6	0.66	-0.65	0.46

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Well:	Hyperion State #205H	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)
8,148.0	8.97	68.00	8,051.5	411.6	908.0	-404.5	0.68	0.19	-4.25
8,242.0	9.10	66.24	8,144.4	417.4	921.6	-410.1	0.32	0.14	-1.87
8,337.0	8.88	65.19	8,238.2	423.5	935.2	-416.1	0.29	-0.23	-1.11
8,432.0	9.32	61.41	8,332.0	430.2	948.6	-422.8	0.78	0.46	-3.98
8,527.0	8.70	62.11	8,425.8	437.3	961.7	-429.7	0.66	-0.65	0.74
8,621.0	7.69	63.52	8,518.9	443.4	973.6	-435.7	1.10	-1.07	1.50
8,716.0	7.16	65.10	8,613.1	448.7	984.6	-441.0	0.60	-0.56	1.66
8,811.0	6.33	66.51	8,707.4	453.3	994.8	-445.5	0.89	-0.87	1.48
8,906.0	5.71	68.44	8,801.9	457.1	1,004.0	-449.2	0.69	-0.65	2.03
9,001.0	4.92	69.41	8,896.5	460.3	1,012.2	-452.3	0.84	-0.83	1.02
9,095.0	4.22	71.69	8,990.2	462.8	1,019.3	-454.8	0.77	-0.74	2.43
9,134.9	3.53	66.88	9,030.0	463.7	1,021.8	-455.7	1.91	-1.73	-12.05
Bone Spring Lime									
9,190.0	2.64	56.22	9,085.0	465.1	1,024.4	-457.1	1.91	-1.61	-19.35
9,285.0	2.07	44.09	9,179.9	467.6	1,027.4	-459.5	0.79	-0.60	-12.77
9,290.1	2.01	44.21	9,185.0	467.7	1,027.6	-459.6	1.12	-1.12	2.46
Upper Avalon									
9,380.0	1.01	48.75	9,274.9	469.3	1,029.3	-461.3	1.12	-1.12	5.04
9,475.0	0.40	285.79	9,369.9	470.0	1,029.6	-461.9	1.34	-0.64	-129.43
9,530.1	0.90	288.94	9,425.0	470.2	1,029.0	-462.1	0.92	0.92	5.72
Middle Avalon									
9,570.0	1.27	289.66	9,464.9	470.4	1,028.3	-462.3	0.92	0.92	1.80
9,665.0	1.54	285.18	9,559.9	471.1	1,026.0	-463.1	0.31	0.28	-4.72
9,760.0	1.76	278.32	9,654.8	471.7	1,023.4	-463.6	0.31	0.23	-7.22
9,855.0	1.54	288.78	9,749.8	472.3	1,020.7	-464.3	0.39	-0.23	11.01
9,900.2	1.70	294.90	9,795.0	472.8	1,019.5	-464.7	0.52	0.35	13.52
Lower Avalon									
9,950.0	1.89	300.38	9,844.7	473.5	1,018.1	-465.5	0.52	0.39	11.02
10,045.0	1.14	305.48	9,939.7	474.8	1,016.0	-466.8	0.80	-0.79	5.37
10,139.0	0.70	350.92	10,033.7	475.9	1,015.2	-468.0	0.87	-0.47	48.34
10,155.3	0.75	347.00	10,050.0	476.1	1,015.1	-468.2	0.42	0.29	-24.04
1st Bone Spring Sand									
10,234.0	1.01	333.78	10,128.7	477.3	1,014.7	-469.3	0.42	0.33	-16.80
10,329.0	1.05	336.68	10,223.7	478.8	1,014.0	-470.8	0.07	0.04	3.05
10,424.0	0.79	335.19	10,318.7	480.2	1,013.4	-472.2	0.27	-0.27	-1.57
10,485.3	0.71	335.67	10,380.0	480.9	1,013.0	-473.0	0.14	-0.14	0.78
2nd Bone Spring Carb									
10,519.0	0.66	335.98	10,413.7	481.3	1,012.9	-473.3	0.14	-0.14	0.93
10,614.0	0.40	48.66	10,508.6	482.0	1,012.9	-474.1	0.70	-0.27	76.51
10,709.0	0.35	111.68	10,603.6	482.1	1,013.4	-474.2	0.42	-0.05	66.34
10,804.0	0.57	165.73	10,698.6	481.6	1,013.8	-473.6	0.49	0.23	56.89
10,810.4	0.53	173.66	10,705.0	481.5	1,013.8	-473.5	1.34	-0.60	124.81
2nd Bone Spring Sand									
10,899.0	1.10	259.51	10,793.6	480.9	1,013.0	-473.0	1.34	0.64	96.84

Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Hyperion State #205H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3564.0usft (H&P 245)
Site:	(Hyperion) Sec-20_T-24-S_R-33-E	MD Reference:	KB @ 3564.0usft (H&P 245)
Well:	Hyperion State #205H	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)
10,994.0	1.58	254.50	10,888.6	480.4	1,010.9	-472.5	0.52	0.51	-5.27
11,089.0	1.23	250.55	10,983.6	479.7	1,008.6	-471.8	0.38	-0.37	-4.16
11,184.0	0.18	214.60	11,078.6	479.3	1,007.6	-471.4	1.15	-1.11	-37.84
11,279.0	0.48	110.27	11,173.6	479.0	1,007.9	-471.1	0.58	0.32	-109.82
11,374.0	1.36	110.98	11,268.6	478.5	1,009.3	-470.5	0.93	0.93	0.75
11,405.4	1.44	115.04	11,300.0	478.2	1,010.0	-470.2	0.41	0.27	12.91
3rd Bone Spring Carb									
11,468.0	1.63	121.79	11,362.5	477.4	1,011.5	-469.4	0.41	0.30	10.79
11,563.0	0.75	158.88	11,457.5	476.1	1,012.9	-468.1	1.19	-0.93	39.04
11,658.0	0.62	282.01	11,552.5	475.6	1,012.6	-467.6	1.27	-0.14	129.61
11,753.0	0.79	313.30	11,647.5	476.2	1,011.6	-468.2	0.44	0.18	32.94
11,848.0	0.66	309.61	11,742.5	477.0	1,010.7	-469.0	0.15	-0.14	-3.88
11,943.0	0.57	54.38	11,837.5	477.6	1,010.7	-469.6	1.03	-0.09	110.28
12,020.5	0.43	57.84	11,915.0	478.0	1,011.2	-470.0	0.18	-0.18	4.46
3rd Bone Spring Sand									
12,038.0	0.40	58.95	11,932.5	478.0	1,011.3	-470.1	0.18	-0.18	6.36
12,132.0	0.62	85.75	12,026.5	478.2	1,012.1	-470.3	0.34	0.23	28.51
12,227.0	0.62	179.88	12,121.5	477.8	1,012.6	-469.8	0.96	0.00	99.08
12,322.0	0.66	233.23	12,216.5	476.9	1,012.2	-469.0	0.61	0.04	56.16
12,330.5	0.77	231.66	12,225.0	476.9	1,012.1	-468.9	1.27	1.25	-18.37
3rd BS W Sand									
12,420.6	1.90	225.91	12,315.0	475.4	1,010.6	-467.5	1.27	1.26	-6.39
Wolfcamp A X Sand									
12,434.0	2.07	225.59	12,328.4	475.1	1,010.2	-467.2	1.27	1.26	-2.36
12,529.0	7.65	174.52	12,423.1	467.6	1,009.6	-459.7	6.89	5.87	-53.76
12,536.0	8.66	173.41	12,430.0	466.6	1,009.7	-458.7	14.60	14.42	-15.85
Wolfcamp A Y Sand									
12,624.0	21.45	168.37	12,514.8	444.2	1,013.7	-436.2	14.60	14.53	-5.73
12,635.0	22.14	168.08	12,525.0	440.2	1,014.6	-432.2	6.37	6.29	-2.63
Wolfcamp A Lower									
12,669.3	24.30	167.28	12,556.6	427.0	1,017.5	-419.0	6.37	6.30	-2.33
FTP @ 12669.3'MD, 100'FNL & 263.3'FWL									
12,718.0	27.38	166.35	12,600.4	406.3	1,022.3	-398.3	6.37	6.32	-1.91
12,811.0	34.73	166.61	12,680.0	359.7	1,033.5	-351.6	7.90	7.90	0.28
12,906.0	44.18	169.95	12,753.3	300.6	1,045.6	-292.4	10.19	9.95	3.52
12,959.5	49.16	169.32	12,790.0	262.4	1,052.6	-254.1	9.34	9.30	-1.18
Wolfcamp B									
13,000.0	52.92	168.90	12,815.4	231.5	1,058.5	-223.1	9.34	9.30	-1.03
13,094.0	62.68	166.96	12,865.5	153.8	1,075.2	-145.3	10.53	10.38	-2.06
13,188.0	67.96	166.17	12,904.7	70.8	1,095.1	-62.1	5.67	5.62	-0.84
13,283.0	74.86	167.67	12,935.0	-16.9	1,115.4	25.7	7.42	7.26	1.58
13,376.0	91.08	169.43	12,946.3	-107.1	1,133.7	116.0	17.54	17.44	1.89
13,471.0	93.32	171.45	12,942.7	-200.7	1,149.4	209.7	3.17	2.36	2.13
13,565.0	88.22	172.50	12,941.4	-293.7	1,162.5	302.8	5.54	-5.43	1.12
13,658.0	87.87	171.62	12,944.6	-385.8	1,175.4	395.0	1.02	-0.38	-0.95

Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Hyperion State #205H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3564.0usft (H&P 245)
Site:	(Hyperion) Sec-20_T-24-S_R-33-E	MD Reference:	KB @ 3564.0usft (H&P 245)
Well:	Hyperion State #205H	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)
13,752.0	87.78	171.53	12,948.2	-478.7	1,189.1	488.0	0.14	-0.10	-0.10
13,847.0	87.43	171.27	12,952.1	-572.5	1,203.3	582.0	0.46	-0.37	-0.27
13,940.0	89.27	172.33	12,954.8	-664.5	1,216.6	674.1	2.28	1.98	1.14
14,034.0	91.65	173.12	12,954.0	-757.8	1,228.5	767.4	2.67	2.53	0.84
14,129.0	89.80	172.85	12,952.8	-852.0	1,240.1	861.8	1.97	-1.95	-0.28
14,223.0	88.66	172.50	12,954.1	-945.3	1,252.1	955.1	1.27	-1.21	-0.37
14,319.0	90.15	173.82	12,955.1	-1,040.6	1,263.5	1,050.5	2.07	1.55	1.38
14,413.0	89.89	175.49	12,955.1	-1,134.2	1,272.3	1,144.1	1.80	-0.28	1.78
14,506.0	89.67	176.72	12,955.4	-1,226.9	1,278.6	1,236.9	1.34	-0.24	1.32
14,601.0	88.97	177.34	12,956.6	-1,321.8	1,283.5	1,331.9	0.98	-0.74	0.65
14,696.0	87.96	177.60	12,959.1	-1,416.7	1,287.7	1,426.8	1.10	-1.06	0.27
14,790.0	90.55	177.07	12,960.3	-1,510.6	1,292.1	1,520.7	2.81	2.76	-0.56
14,886.0	90.51	177.07	12,959.4	-1,606.4	1,297.0	1,616.6	0.04	-0.04	0.00
14,980.0	90.68	176.90	12,958.5	-1,700.3	1,301.9	1,710.5	0.26	0.18	-0.18
15,074.0	90.29	176.98	12,957.7	-1,794.2	1,306.9	1,804.4	0.42	-0.41	0.09
15,167.0	89.58	177.07	12,957.8	-1,887.0	1,311.8	1,897.3	0.77	-0.76	0.10
15,261.0	89.58	177.25	12,958.5	-1,980.9	1,316.4	1,991.2	0.19	0.00	0.19
15,355.0	89.89	178.30	12,958.9	-2,074.8	1,320.1	2,085.1	1.16	0.33	1.12
15,449.0	89.54	179.97	12,959.4	-2,168.8	1,321.5	2,179.1	1.82	-0.37	1.78
15,543.0	90.07	179.88	12,959.7	-2,262.8	1,321.6	2,273.1	0.57	0.56	-0.10
15,637.0	89.32	180.15	12,960.2	-2,356.8	1,321.6	2,367.1	0.85	-0.80	0.29
15,731.0	90.11	180.06	12,960.6	-2,450.8	1,321.4	2,461.1	0.85	0.84	-0.10
15,825.0	92.48	179.62	12,958.5	-2,544.8	1,321.7	2,555.1	2.56	2.52	-0.47
15,918.0	93.54	179.36	12,953.6	-2,637.7	1,322.5	2,648.0	1.17	1.14	-0.28
16,013.0	91.74	180.50	12,949.3	-2,732.6	1,322.6	2,742.9	2.24	-1.89	1.20
16,109.0	91.65	181.29	12,946.4	-2,828.5	1,321.1	2,838.8	0.83	-0.09	0.82
16,204.0	89.67	182.17	12,945.3	-2,923.4	1,318.2	2,933.7	2.28	-2.08	0.93
16,298.0	88.92	182.43	12,946.5	-3,017.4	1,314.5	3,027.6	0.84	-0.80	0.28
16,393.0	88.88	182.26	12,948.3	-3,112.3	1,310.6	3,122.5	0.18	-0.04	-0.18
16,488.0	88.04	181.55	12,950.9	-3,207.2	1,307.4	3,217.3	1.16	-0.88	-0.75
16,582.0	89.19	181.55	12,953.1	-3,301.1	1,304.9	3,311.3	1.22	1.22	0.00
16,676.0	89.10	181.64	12,954.5	-3,395.1	1,302.3	3,405.2	0.14	-0.10	0.10
16,771.0	89.63	181.64	12,955.6	-3,490.0	1,299.6	3,500.1	0.56	0.56	0.00
16,865.0	89.49	181.38	12,956.3	-3,584.0	1,297.1	3,594.1	0.31	-0.15	-0.28
16,959.0	91.96	181.03	12,955.1	-3,677.9	1,295.1	3,688.0	2.65	2.63	-0.37
17,053.0	91.82	180.68	12,952.0	-3,771.9	1,293.7	3,781.9	0.40	-0.15	-0.37
17,147.0	91.91	180.68	12,949.0	-3,865.8	1,292.6	3,875.9	0.10	0.10	0.00
17,241.0	92.09	180.59	12,945.7	-3,959.8	1,291.5	3,969.8	0.21	0.19	-0.10
17,335.0	91.03	177.86	12,943.1	-4,053.7	1,292.8	4,063.7	3.11	-1.13	-2.90
17,430.0	90.55	181.38	12,941.8	-4,148.7	1,293.4	4,158.7	3.74	-0.51	3.71
17,524.0	89.67	181.11	12,941.6	-4,242.7	1,291.4	4,252.7	0.98	-0.94	-0.29
17,619.0	89.67	179.53	12,942.2	-4,337.7	1,290.9	4,347.7	1.66	0.00	-1.66
17,713.0	89.71	178.57	12,942.7	-4,431.6	1,292.4	4,441.7	1.02	0.04	-1.02

Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Hyperion State #205H
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Site:	(Hyperion) Sec-20_T-24-S_R-33-E	MD Reference:	KB @ 3564.0usft (H&P 245)
Well:	Hyperion State #205H	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)
17,808.0	89.36	178.39	12,943.5	-4,526.6	1,295.0	4,536.6	0.41	-0.37	-0.19
17,902.0	89.41	179.09	12,944.5	-4,620.6	1,297.0	4,630.6	0.75	0.05	0.74
17,929.3	89.61	179.23	12,944.7	-4,647.9	1,297.4	4,657.9	0.89	0.74	0.51
LTP @ 17929.3'MD, 100'FSL & 503.8'FWL									
17,955.0	89.80	179.36	12,944.8	-4,673.6	1,297.7	4,683.6	0.89	0.74	0.51
LAST SVY									
18,028.0	89.80	179.36	12,945.1	-4,746.6	1,298.6	4,756.6	0.00	0.00	0.00
Projection to TD @ 18028'MD, 1.3'FSL & 504.2'FWL									

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
LTP (Hyperion State #	0.00	0.00	12,938.0	-4,648.0	1,322.0	435,886.00	769,144.00	32° 11' 46.260 N	103° 35' 48.774 W
- actual wellpath misses target center by 25.5usft at 17929.7usft MD (12944.7 TVD, -4648.3 N, 1297.4 E)									
- Point									
PBHL (Hyperion State	-0.20	179.55	12,938.0	-4,743.0	1,323.0	435,791.00	769,145.00	32° 11' 45.320 N	103° 35' 48.770 W
- actual wellpath misses target center by 25.5usft at 18024.7usft MD (12945.1 TVD, -4743.2 N, 1298.5 E)									
- Rectangle (sides W100.0 H5,172.0 D40.0)									
FTP (Hyperion State #	0.00	0.01	12,953.0	428.0	1,282.0	440,962.00	769,104.00	32° 12' 36.491 N	103° 35' 48.835 W
- actual wellpath misses target center by 326.3usft at 12969.3usft MD (12796.3 TVD, 255.1 N, 1054.0 E)									
- Point									

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Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3564.0usft (H&P 245)
Site:	(Hyperion) Sec-20_T-24-S_R-33-E	MD Reference:	KB @ 3564.0usft (H&P 245)
Well:	Hyperion State #205H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,175.1	1,175.0	Rustler Anhydrite			
1,520.2	1,520.0	Top Salt			
4,809.2	4,785.0	Base Salt			
5,051.5	5,025.0	Delaware Mountain Gp			
5,061.6	5,035.0	Lamar			
5,076.7	5,050.0	Bell Canyon			
5,091.8	5,065.0	Ramsey Sand			
6,012.0	5,960.0	Cherry Canyon			
7,503.7	7,415.0	Brushy Canyon			
9,134.9	9,030.0	Bone Spring Lime			
9,290.1	9,185.0	Upper Avalon			
9,530.1	9,425.0	Middle Avalon			
9,900.2	9,795.0	Lower Avalon			
10,155.3	10,050.0	1st Bone Spring Sand			
10,485.3	10,380.0	2nd Bone Spring Carb			
10,810.4	10,705.0	2nd Bone Spring Sand			
11,405.4	11,300.0	3rd Bone Spring Carb			
12,020.5	11,915.0	3rd Bone Spring Sand			
12,330.5	12,225.0	3rd BS W Sand			
12,420.6	12,315.0	Wolfcamp A X Sand			
12,536.0	12,430.0	Wolfcamp A Y Sand			
12,635.0	12,525.0	Wolfcamp A Lower			
12,959.5	12,790.0	Wolfcamp B			

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
12,669.3	12,556.6	427.0	1,017.5	FTP @ 12669.3'MD, 100'FNL & 263.3'FWL
17,929.3	12,944.7	-4,647.9	1,297.4	LTP @ 17929.3'MD, 100'FSL & 503.8'FWL
17,955.0	12,944.8	-4,673.6	1,297.7	LAST SVY
18,028.0	12,945.1	-4,746.6	1,298.6	Projection to TD @ 18028'MD, 1.3'FSL & 504.2'FWL

Checked By: _____ Approved By: _____ Date: _____