

State of New Mexico
Energy, Minerals & Natural ResourcesForm C-104
Revised August 1, 2011Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT**I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT**

¹ Operator name and Address TAP ROCK OPERATING, LLC 523 PARK POINT DRIVE, SUITE 200 GOLDEN, CO 80401		² OGRID Number 372043
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 0 25-48569	⁵ Pool Name TRIPLE X:BONE SPRING	⁶ Pool Code 59900
⁷ Property Code 325667	⁸ Property Name POSEIDON STATE COM	⁹ Well Number 181H

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
M	9	24-S	33-E	-	322'	SOUTH	1190'	WEST	LEA

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	4	24-S	33-E	-	45'	NORTH	649'	WEST	LEA
¹² Lse Code S	¹³ Producing Method Code F	¹⁴ Gas Connection Date 9/20/2021	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

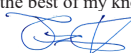
III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
214754	ENLINK MIDSTREAM OPERATING, LP 1722 ROUTH ST. SUITE 1300 DALLAS, TX 75201	O
371960	LUCID ENERGY GROUP 3100 MCKINNON ST #800 DALLAS, TX 75201	G

IV. Well Completion Data

²¹ Spud Date 5/2/2021	²² Ready Date 9/20/2021	²³ TD 20220'	²⁴ PBTB 20159'	²⁵ Perforations 14988' - 20089'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5"	13.375"	1279'	915 SKS		
12.25"	9.625"	5255'	1508 SKS		
8.5"	5.5"	20204'	2303 SKS		

V. Well Test Data

³¹ Date New Oil 9/26/2021	³² Gas Delivery Date 9/26/2021	³³ Test Date 10/12/2021	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure 0	³⁶ Csg. Pressure 780
³⁷ Choke Size 46/64	³⁸ Oil 1213	³⁹ Water 3333	⁴⁰ Gas 1071		⁴¹ Test Method Flowing
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: 			OIL CONSERVATION DIVISION		
Printed name: JEFF TRLICA			Approved by: PATRICIA MARTINEZ		
Title: REGULATORY ANALYST			Title: PETROLEUM SPECIALIST		
E-mail Address: JTRLICA@GMAIL.COM			Approval Date: 8/28/2024		
Date: 4/14/2022		Phone: 720-772-5910			

District I
1625 N. French Dr., Hobbs, NM 88240

District II

811 S. First St., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

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⁷ Property Code 325667	⁸ Property Name POSEIDON STATE COM	⁹ Well Number 181H

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V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
9/26/2021	9/26/2021	10/10/2021	24 HRS	0	780
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method
46/64	1213	3333	1071		Flowing
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: 			OIL CONSERVATION DIVISION		
Printed name: JEFF TRLICA			Approved by: PATRICIA MARTINEZ		
Title: REGULATORY ANALYST			Title: PETROLEUM SPECIALIST		
E-mail Address: JTRLICA@GMAIL.COM			Approval Date: 8/28/2024		
Date: 4/14/2022		Phone: 720-772-5910			

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

AS-DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-48569	² Pool Code 96674	³ Pool Name TRIPLE X;BONE SPRING, WEST
⁴ Property Code 325667	⁵ Property Name POSEIDON STATE COM	⁶ Well Number 181H
⁷ OGRID No. #372043	⁸ Operator Name TAP ROCK OPERATING, LLC.	⁹ Elevation 3609'

¹⁰Surface Location

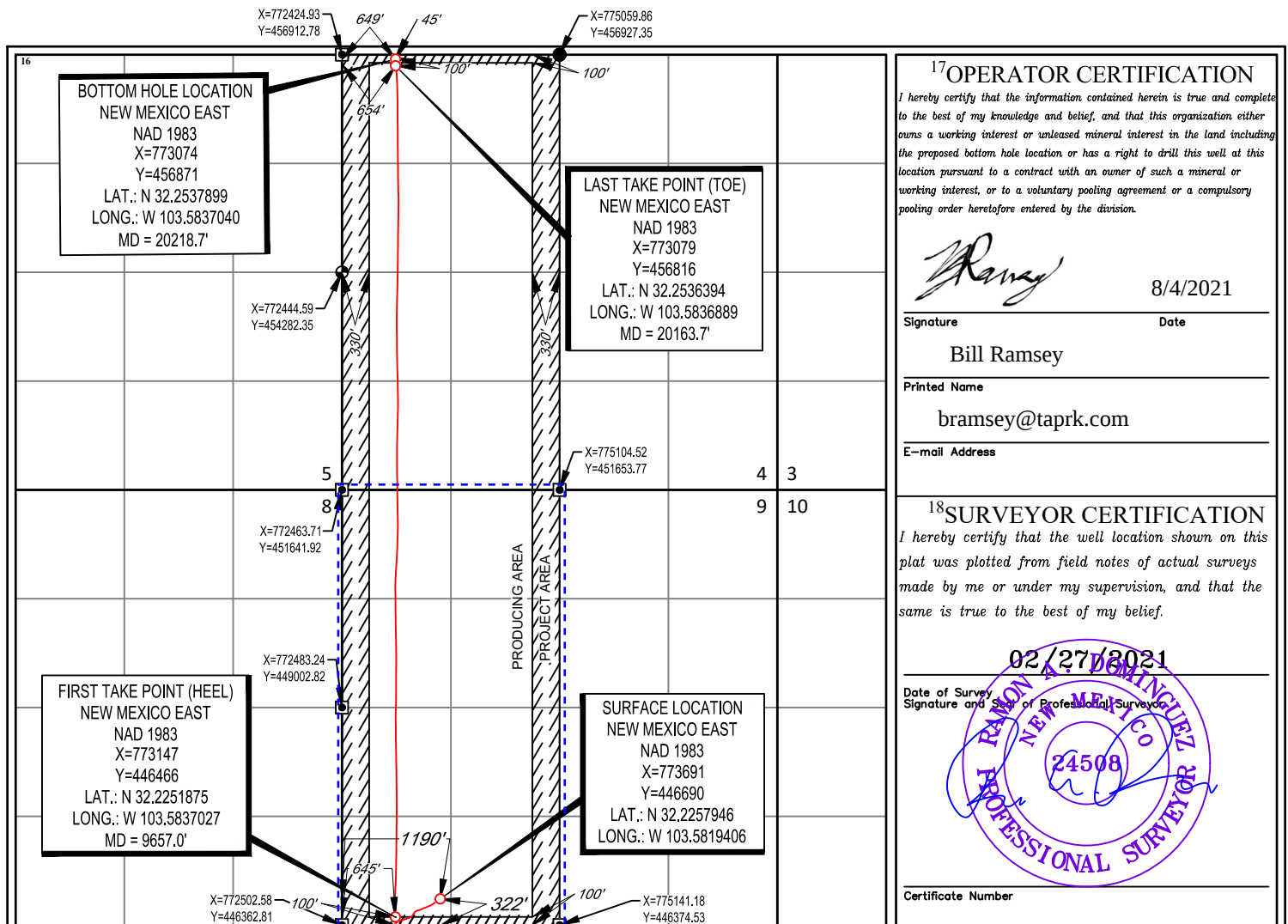
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹¹Bottom Hole Location If Different From Surface

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4	4	24-S	33-E	-	45'	NORTH	649'	WEST	LEA

¹² Dedicated Acres 320	¹³ Joint or Infill 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.



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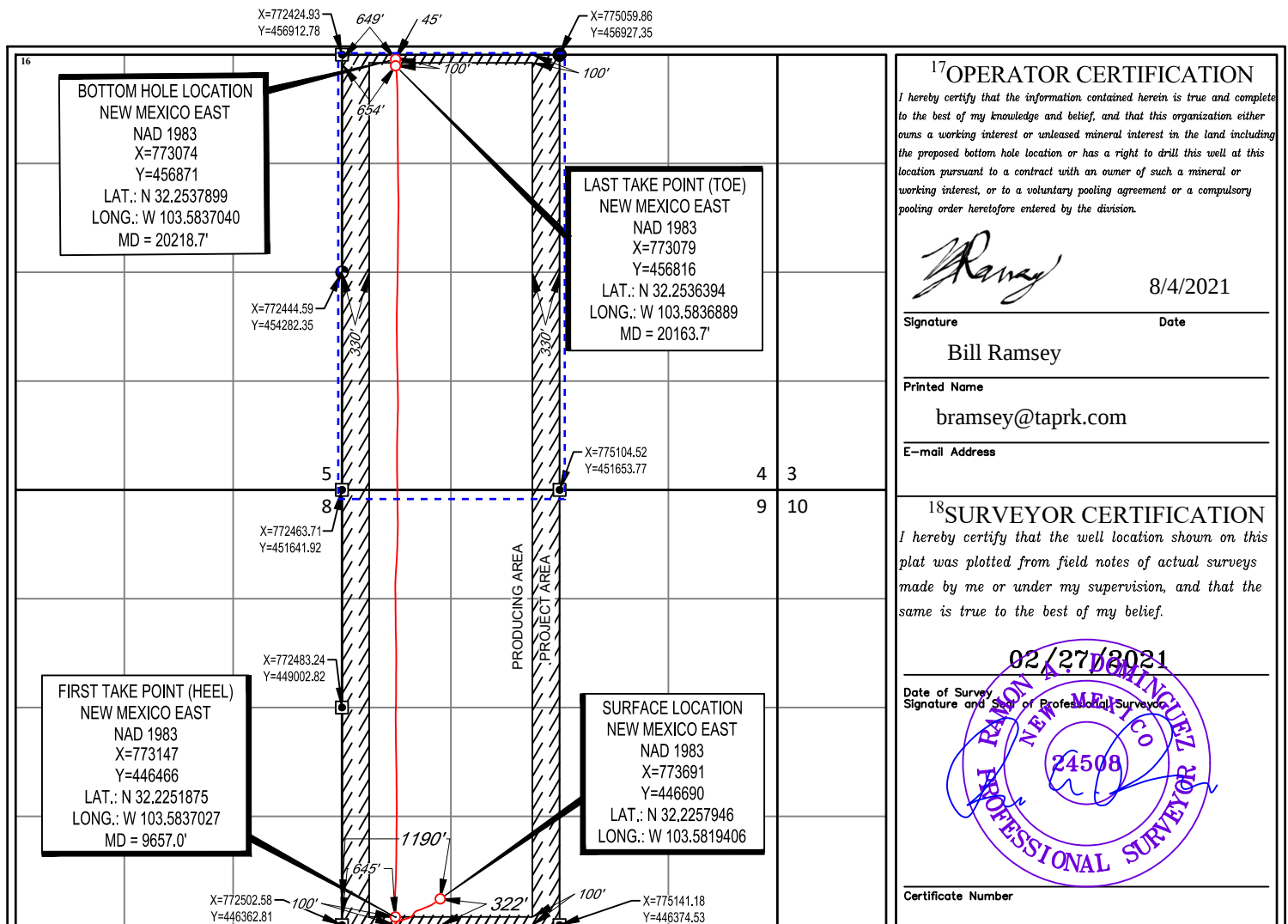
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¹² Dedicated Acres 319.62	¹³ Joint or Infill Infill	¹⁴ Consolidation Code	¹⁵ Order No.
---	---	----------------------------------	-------------------------

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.





Operator: TapRock Resources LLC
Well Name: Poseidon State Com #181H
County: Lea
State: New Mexico
Rig Name: H&P 312
API: 30-025-48569

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 – 20,156' MD
Projection to Bit: 20,220' MD
Dates Performed: 05/02/2021 – 06/22/2021
Type of Survey: MWD

Sincerely,

A handwritten signature in black ink, appearing to read "T. Henk".

Travis Henk
MWD Operations Manager
Intrepid Directional Drilling Specialists





Tap Rock Resources, LLC

**Lea County, NM (NAD 83 NME)
(Poseidon) Sec-9_T-24-E_R-33-E
Poseidon State Com #181H**

OWB

Design: AWB

Standard Survey Report

22 June, 2021





Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Poseidon State Com #181H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3636.0usft (H&P 312)
Site:	(Poseidon) Sec-9_T-24-E_R-33-E	MD Reference:	KB @ 3636.0usft (H&P 312)
Well:	Poseidon State Com #181H	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	(Poseidon) Sec-9_T-24-E_R-33-E		
Site Position:		Northing:	446,745.00 usft
From:	Map	Easting:	773,665.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 13' 33.403 N
		Longitude:	103° 34' 55.279 W
		Grid Convergence:	0.40 °

Well	Poseidon State Com #181H		
Well Position	+N/-S	0.0 usft	Northing: 446,690.00 usft
	+E/-W	0.0 usft	Easting: 773,690.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 13' 32.857 N
		Longitude:	103° 34' 54.993 W
		Ground Level:	3,610.0 usft

Wellbore	OWB		
Magnetics	Model Name	Sample Date	Declination (°)
	HDGM	05/03/21	6.39
			Dip Angle (°) 59.82
			Field Strength (nT) 47,669.55517063

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)
	0.0	0.0	0.0
			Direction (°) 359.58

Survey Program	Date	06/22/21		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
173.0	20,220.0	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	0.70	172.81	173.0	-1.0	0.1	-1.0	0.40	0.40	0.00
233.0	0.57	172.54	233.0	-1.7	0.2	-1.7	0.22	-0.22	-0.45
326.0	0.62	173.95	326.0	-2.7	0.3	-2.7	0.06	0.05	1.52
418.0	0.53	164.28	418.0	-3.6	0.5	-3.6	0.14	-0.10	-10.51
509.0	0.92	148.81	509.0	-4.6	1.0	-4.6	0.48	0.43	-17.00
599.0	0.57	135.10	599.0	-5.5	1.7	-5.5	0.43	-0.39	-15.23
689.0	0.31	234.07	689.0	-6.0	1.8	-6.0	0.77	-0.29	109.97
783.0	0.26	195.83	783.0	-6.4	1.5	-6.4	0.20	-0.05	-40.68
877.0	0.70	224.93	877.0	-7.0	1.1	-7.0	0.52	0.47	30.96



Intrepid Survey Report



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Well:	Poseidon State Com #181H	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)
971.0	0.79	247.78	971.0	-7.6	0.1	-7.6	0.33	0.10	24.31
1,065.0	1.36	251.20	1,064.9	-8.2	-1.6	-8.2	0.61	0.61	3.64
1,159.0	1.27	265.79	1,158.9	-8.7	-3.7	-8.6	0.37	-0.10	15.52
1,220.0	1.10	267.11	1,219.9	-8.7	-4.9	-8.7	0.28	-0.28	2.16
1,249.1	1.15	265.92	1,249.0	-8.8	-5.5	-8.7	0.18	0.16	-4.10
Rustler Anhydrite									
1,412.0	1.41	260.70	1,411.9	-9.2	-9.1	-9.1	0.18	0.16	-3.20
1,507.0	0.84	299.19	1,506.8	-9.1	-10.9	-9.0	0.96	-0.60	40.52
1,601.0	2.20	235.21	1,600.8	-9.8	-13.0	-9.7	2.11	1.45	-68.06
1,695.0	4.35	229.23	1,694.6	-13.1	-17.1	-13.0	2.31	2.29	-6.36
1,771.6	5.28	233.18	1,771.0	-17.1	-22.2	-17.0	1.28	1.21	5.16
Top Salt									
1,789.0	5.49	233.89	1,788.3	-18.1	-23.5	-17.9	1.28	1.23	4.08
1,884.0	5.76	234.24	1,882.8	-23.6	-31.0	-23.3	0.29	0.28	0.37
1,978.0	5.10	229.06	1,976.4	-29.0	-38.0	-28.8	0.87	-0.70	-5.51
2,072.0	5.05	231.69	2,070.1	-34.3	-44.4	-34.0	0.25	-0.05	2.80
2,166.0	4.57	235.91	2,163.7	-39.0	-50.7	-38.6	0.63	-0.51	4.49
2,261.0	4.22	231.17	2,258.4	-43.3	-56.6	-42.9	0.53	-0.37	-4.99
2,355.0	4.53	236.18	2,352.2	-47.6	-62.4	-47.1	0.52	0.33	5.33
2,450.0	5.89	237.49	2,446.8	-52.3	-69.6	-51.8	1.44	1.43	1.38
2,544.0	6.51	236.00	2,540.2	-57.8	-78.1	-57.3	0.68	0.66	-1.59
2,638.0	6.29	238.55	2,633.6	-63.5	-86.9	-62.9	0.38	-0.23	2.71
2,732.0	5.85	236.44	2,727.1	-68.8	-95.3	-68.1	0.52	-0.47	-2.24
2,826.0	6.55	241.54	2,820.6	-74.0	-104.0	-73.3	0.95	0.74	5.43
2,920.0	8.04	243.21	2,913.8	-79.6	-114.6	-78.7	1.60	1.59	1.78
3,014.0	9.01	243.47	3,006.8	-85.8	-127.0	-84.9	1.03	1.03	0.28
3,108.0	8.48	246.37	3,099.7	-91.9	-140.0	-90.9	0.73	-0.56	3.09
3,202.0	8.35	247.78	3,192.7	-97.2	-152.6	-96.1	0.26	-0.14	1.50
3,296.0	7.52	248.04	3,285.8	-102.1	-164.7	-100.9	0.88	-0.88	0.28
3,390.0	6.86	251.56	3,379.0	-106.2	-175.7	-104.9	0.84	-0.70	3.74
3,485.0	6.07	247.78	3,473.4	-109.9	-185.7	-108.5	0.94	-0.83	-3.98
3,579.0	5.58	247.87	3,566.9	-113.5	-194.6	-112.1	0.52	-0.52	0.10
3,673.0	5.01	249.27	3,660.5	-116.7	-202.6	-115.2	0.62	-0.61	1.49
3,768.0	4.13	243.47	3,755.2	-119.7	-209.6	-118.1	1.05	-0.93	-6.11
3,862.0	4.09	238.55	3,849.0	-122.9	-215.5	-121.3	0.38	-0.04	-5.23
3,956.0	5.54	245.14	3,942.6	-126.6	-222.4	-124.9	1.65	1.54	7.01
4,050.0	7.30	248.92	4,036.1	-130.6	-232.1	-128.9	1.92	1.87	4.02
4,144.0	6.46	247.07	4,129.4	-134.8	-242.6	-133.1	0.92	-0.89	-1.97
4,238.0	5.80	251.29	4,222.8	-138.4	-251.9	-136.6	0.85	-0.70	4.49
4,333.0	7.43	254.28	4,317.2	-141.6	-262.4	-139.7	1.75	1.72	3.15
4,427.0	7.78	253.93	4,410.4	-145.0	-274.4	-143.0	0.38	0.37	-0.37
4,520.0	5.27	244.44	4,502.8	-148.6	-284.3	-146.5	2.93	-2.70	-10.20
4,615.0	6.02	234.59	4,597.3	-153.4	-292.3	-151.2	1.29	0.79	-10.37
4,709.0	7.25	229.76	4,690.7	-160.1	-300.8	-157.9	1.44	1.31	-5.14



Intrepid Survey Report



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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)
4,803.0	6.46	218.51	4,784.0	-168.1	-308.6	-165.8	1.65	-0.84	-11.97
4,898.0	6.20	211.74	4,878.4	-176.6	-314.7	-174.3	0.83	-0.27	-7.13
4,932.8	6.13	212.03	4,913.0	-179.8	-316.6	-177.4	0.21	-0.19	0.82
Base Salt									
4,992.0	6.02	212.53	4,971.9	-185.1	-320.0	-182.7	0.21	-0.19	0.85
5,086.0	5.19	213.41	5,065.4	-192.8	-325.0	-190.4	0.89	-0.88	0.94
5,180.0	4.44	209.37	5,159.1	-199.5	-329.1	-197.1	0.88	-0.80	-4.30
5,181.9	4.43	209.40	5,161.0	-199.6	-329.2	-197.2	0.41	-0.39	1.50
Delaware Mountain Gp									
5,188.9	4.41	209.50	5,168.0	-200.1	-329.4	-197.7	0.41	-0.39	1.50
Lamar									
5,203.0	4.35	209.72	5,182.0	-201.0	-330.0	-198.6	0.41	-0.39	1.53
5,209.0	4.33	209.87	5,188.0	-201.4	-330.2	-199.0	0.39	-0.35	2.51
Bell Canyon									
5,229.0	4.26	210.38	5,208.0	-202.7	-330.9	-200.3	0.39	-0.34	2.56
Ramsey Sand									
5,279.0	4.09	211.74	5,257.8	-205.8	-332.8	-203.4	0.39	-0.34	2.71
5,373.0	4.75	224.57	5,351.6	-211.5	-337.3	-209.0	1.26	0.70	13.65
5,467.0	6.59	234.51	5,445.1	-217.4	-344.4	-214.8	2.21	1.96	10.57
5,561.0	7.87	239.69	5,538.4	-223.7	-354.4	-221.1	1.53	1.36	5.51
5,656.0	8.70	249.36	5,632.4	-229.6	-366.7	-226.9	1.70	0.87	10.18
5,750.0	9.05	251.12	5,725.2	-234.5	-380.4	-231.7	0.47	0.37	1.87
5,845.0	9.76	250.41	5,819.0	-239.6	-395.0	-236.7	0.76	0.75	-0.75
5,939.0	9.05	251.03	5,911.7	-244.7	-409.5	-241.6	0.76	-0.76	0.66
6,033.0	8.70	251.38	6,004.6	-249.3	-423.3	-246.2	0.38	-0.37	0.37
6,128.0	8.53	250.24	6,098.5	-254.0	-436.7	-250.8	0.25	-0.18	-1.20
6,173.0	8.42	249.37	6,143.0	-256.3	-442.9	-253.0	0.37	-0.24	-1.94
Cherry Canyon									
6,222.0	8.31	248.39	6,191.5	-258.9	-449.6	-255.6	0.37	-0.23	-1.99
6,317.0	8.53	247.51	6,285.5	-264.1	-462.5	-260.7	0.27	0.23	-0.93
6,411.0	8.18	247.87	6,378.5	-269.3	-475.1	-265.8	0.38	-0.37	0.38
6,505.0	8.53	246.81	6,471.5	-274.5	-487.7	-270.9	0.41	0.37	-1.13
6,600.0	7.38	245.76	6,565.6	-279.8	-499.7	-276.1	1.22	-1.21	-1.11
6,693.0	5.14	254.63	6,658.0	-283.4	-509.2	-279.6	2.62	-2.41	9.54
6,788.0	3.08	269.13	6,752.7	-284.5	-515.9	-280.7	2.41	-2.17	15.26
6,882.0	1.14	271.68	6,846.7	-284.5	-519.3	-280.7	2.07	-2.06	2.71
6,977.0	0.40	286.80	6,941.7	-284.4	-520.6	-280.6	0.80	-0.78	15.92
7,070.0	0.79	280.56	7,034.7	-284.2	-521.5	-280.4	0.42	0.42	-6.71
7,165.0	0.57	261.22	7,129.7	-284.2	-522.6	-280.3	0.33	-0.23	-20.36
7,258.0	0.44	263.77	7,222.7	-284.3	-523.4	-280.4	0.14	-0.14	2.74
7,353.0	0.66	301.48	7,317.6	-284.0	-524.3	-280.2	0.43	0.23	39.69
7,446.0	0.84	295.41	7,410.6	-283.5	-525.3	-279.6	0.21	0.19	-6.53
7,541.0	0.62	307.45	7,505.6	-282.8	-526.4	-279.0	0.28	-0.23	12.67
7,635.0	0.62	288.65	7,599.6	-282.4	-527.3	-278.5	0.22	0.00	-20.00



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Poseidon State Com #181H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3636.0usft (H&P 312)
Site:	(Poseidon) Sec-9_T-24-E_R-33-E	MD Reference:	KB @ 3636.0usft (H&P 312)
Well:	Poseidon State Com #181H	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)	
7,703.4	0.42	245.55	7,668.0	-282.4	-527.9	-278.5	0.62	-0.29	-63.03	
Brushy Canyon										
7,729.0	0.44	224.40	7,693.6	-282.5	-528.0	-278.6	0.62	0.07	-82.54	
7,823.0	0.53	207.52	7,787.6	-283.1	-528.5	-279.2	0.18	0.10	-17.96	
7,917.0	0.97	169.64	7,881.6	-284.3	-528.5	-280.4	0.68	0.47	-40.30	
8,011.0	0.88	187.66	7,975.6	-285.8	-528.5	-281.9	0.32	-0.10	19.17	
8,105.0	0.92	181.86	8,069.6	-287.2	-528.6	-283.4	0.11	0.04	-6.17	
8,199.0	0.97	206.47	8,163.6	-288.7	-529.0	-284.8	0.43	0.05	26.18	
8,294.0	1.10	213.06	8,258.6	-290.2	-529.8	-286.3	0.19	0.14	6.94	
8,388.0	1.23	217.63	8,352.5	-291.8	-530.9	-287.9	0.17	0.14	4.86	
8,482.0	1.32	216.66	8,446.5	-293.4	-532.2	-289.5	0.10	0.10	-1.03	
8,576.0	1.49	209.81	8,540.5	-295.3	-533.5	-291.4	0.25	0.18	-7.29	
8,670.0	1.71	210.07	8,634.5	-297.6	-534.8	-293.7	0.23	0.23	0.28	
8,765.0	1.63	209.19	8,729.4	-300.0	-536.1	-296.1	0.09	-0.08	-0.93	
8,858.0	1.67	203.92	8,822.4	-302.4	-537.3	-298.5	0.17	0.04	-5.67	
8,952.0	1.10	197.68	8,916.3	-304.5	-538.2	-300.6	0.63	-0.61	-6.64	
9,046.0	0.88	214.12	9,010.3	-306.0	-538.8	-302.0	0.38	-0.23	17.49	
9,126.7	0.98	188.04	9,091.0	-307.2	-539.3	-303.2	0.53	0.12	-32.33	
Bone Spring Lime										
9,140.0	1.01	184.41	9,104.3	-307.4	-539.3	-303.5	0.53	0.25	-27.22	
9,234.0	1.10	194.87	9,198.3	-309.1	-539.6	-305.1	0.23	0.10	11.13	
9,256.7	1.11	189.43	9,221.0	-309.5	-539.7	-305.6	0.46	0.03	-23.98	
Upper Avalon										
9,295.0	1.14	180.54	9,259.3	-310.3	-539.8	-306.3	0.46	0.09	-23.20	
9,361.0	0.48	57.32	9,325.3	-310.8	-539.5	-306.8	2.21	-1.00	-186.70	
9,455.0	13.41	2.03	9,418.4	-299.6	-538.8	-295.7	13.98	13.76	-58.82	
9,509.6	17.96	356.67	9,471.0	-284.9	-539.1	-280.9	8.72	8.32	-9.80	
Middle Avalon										
9,549.0	21.29	354.21	9,508.1	-271.7	-540.1	-267.8	8.72	8.47	-6.26	
9,643.0	29.10	357.11	9,593.1	-231.8	-543.0	-227.9	8.41	8.31	3.09	
9,737.0	36.79	358.52	9,671.9	-180.8	-544.9	-176.8	8.22	8.18	1.50	
9,831.0	44.57	357.55	9,743.1	-119.6	-547.0	-115.6	8.30	8.28	-1.03	
9,925.0	48.79	0.28	9,807.6	-51.3	-548.3	-47.2	4.96	4.49	2.90	
10,020.0	51.30	2.30	9,868.6	21.5	-546.6	25.5	3.10	2.64	2.13	
10,082.3	54.97	2.12	9,906.0	71.3	-544.7	75.3	5.90	5.89	-0.29	
Lower Avalon										
10,114.0	56.84	2.03	9,923.8	97.6	-543.8	101.5	5.90	5.89	-0.27	
10,209.0	70.64	1.86	9,965.7	182.5	-540.9	186.5	14.53	14.53	-0.18	
10,302.0	80.35	1.68	9,989.0	272.4	-538.1	276.3	10.44	10.44	-0.19	
10,396.0	80.57	1.24	10,004.5	365.0	-535.7	369.0	0.52	0.23	-0.47	
10,491.0	85.19	359.84	10,016.3	459.3	-534.9	463.2	5.08	4.86	-1.47	
10,585.0	87.74	0.19	10,022.1	553.1	-534.8	557.0	2.74	2.71	0.37	
10,679.0	89.36	359.93	10,024.5	647.1	-534.7	651.0	1.75	1.72	-0.28	
10,773.0	91.34	0.10	10,023.9	741.1	-534.7	745.0	2.11	2.11	0.18	
10,868.0	91.87	0.54	10,021.2	836.0	-534.2	839.9	0.72	0.56	0.46	



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Poseidon State Com #181H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3636.0usft (H&P 312)
Site:	(Poseidon) Sec-9_T-24-E_R-33-E	MD Reference:	KB @ 3636.0usft (H&P 312)
Well:	Poseidon State Com #181H	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)
10,962.0	90.33	0.10	10,019.4	930.0	-533.7	933.9	1.70	-1.64	-0.47
11,056.0	89.98	359.75	10,019.2	1,024.0	-533.8	1,027.9	0.53	-0.37	-0.37
11,151.0	89.93	359.40	10,019.3	1,119.0	-534.5	1,122.9	0.37	-0.05	-0.37
11,245.0	89.45	359.13	10,019.8	1,213.0	-535.7	1,216.9	0.59	-0.51	-0.29
11,339.0	89.45	359.13	10,020.7	1,307.0	-537.1	1,310.9	0.00	0.00	0.00
11,434.0	90.95	358.87	10,020.3	1,401.9	-538.8	1,405.9	1.60	1.58	-0.27
11,528.0	92.31	359.40	10,017.7	1,495.9	-540.2	1,499.8	1.55	1.45	0.56
11,623.0	88.40	358.26	10,017.1	1,590.9	-542.1	1,594.8	4.29	-4.12	-1.20
11,717.0	89.05	358.52	10,019.2	1,684.8	-544.8	1,688.7	0.74	0.69	0.28
11,811.0	88.66	358.43	10,021.0	1,778.7	-547.3	1,782.7	0.43	-0.41	-0.10
11,906.0	89.41	358.61	10,022.6	1,873.7	-549.7	1,877.7	0.81	0.79	0.19
11,999.0	91.43	359.13	10,022.0	1,966.7	-551.6	1,970.7	2.24	2.17	0.56
12,094.0	92.22	359.13	10,018.9	2,061.6	-553.0	2,065.6	0.83	0.83	0.00
12,188.0	91.12	358.96	10,016.2	2,155.6	-554.6	2,159.6	1.18	-1.17	-0.18
12,282.0	93.10	0.89	10,012.7	2,249.5	-554.7	2,253.5	2.94	2.11	2.05
12,377.0	90.95	1.33	10,009.4	2,344.4	-552.9	2,348.4	2.31	-2.26	0.46
12,471.0	87.78	0.01	10,010.4	2,438.4	-551.8	2,442.4	3.65	-3.37	-1.40
12,566.0	87.30	359.84	10,014.5	2,533.3	-551.9	2,537.3	0.54	-0.51	-0.18
12,660.0	87.60	359.22	10,018.7	2,627.2	-552.6	2,631.2	0.73	0.32	-0.66
12,754.0	86.73	0.10	10,023.3	2,721.1	-553.2	2,725.1	1.32	-0.93	0.94
12,849.0	87.38	359.75	10,028.2	2,815.9	-553.3	2,819.9	0.78	0.68	-0.37
12,943.0	91.03	359.49	10,029.5	2,909.9	-554.0	2,913.9	3.89	3.88	-0.28
13,038.0	88.22	359.31	10,030.1	3,004.9	-554.9	3,008.9	2.96	-2.96	-0.19
13,132.0	87.30	358.52	10,033.8	3,098.8	-556.7	3,102.8	1.29	-0.98	-0.84
13,252.0	88.92	358.26	10,037.8	3,218.7	-560.1	3,222.7	1.37	1.35	-0.22
13,346.0	90.77	358.43	10,038.0	3,312.7	-562.8	3,316.7	1.98	1.97	0.18
13,441.0	93.01	359.57	10,034.9	3,407.6	-564.5	3,411.6	2.65	2.36	1.20
13,535.0	91.43	359.22	10,031.3	3,501.5	-565.5	3,505.5	1.72	-1.68	-0.37
13,629.0	91.74	358.61	10,028.7	3,595.4	-567.2	3,599.5	0.73	0.33	-0.65
13,724.0	92.62	358.43	10,025.0	3,690.3	-569.7	3,694.4	0.95	0.93	-0.19
13,818.0	92.04	359.84	10,021.2	3,784.3	-571.1	3,788.3	1.62	-0.62	1.50
13,912.0	91.30	1.95	10,018.5	3,878.2	-569.6	3,882.3	2.38	-0.79	2.24
14,006.0	89.85	3.70	10,017.5	3,972.1	-565.0	3,976.1	2.42	-1.54	1.86
14,100.0	87.69	3.35	10,019.6	4,065.9	-559.2	4,069.9	2.33	-2.30	-0.37
14,194.0	87.21	3.00	10,023.7	4,159.6	-554.0	4,163.6	0.63	-0.51	-0.37
14,289.0	87.78	0.89	10,027.9	4,254.5	-550.8	4,258.4	2.30	0.60	-2.22
14,383.0	88.70	0.80	10,030.8	4,348.4	-549.4	4,352.3	0.98	0.98	-0.10
14,477.0	91.60	1.77	10,030.5	4,442.4	-547.3	4,446.3	3.25	3.09	1.03
14,572.0	89.80	359.40	10,029.4	4,537.4	-546.3	4,541.2	3.13	-1.89	-2.49
14,666.0	90.24	358.96	10,029.3	4,631.4	-547.7	4,635.2	0.66	0.47	-0.47
14,760.0	91.91	358.34	10,027.6	4,725.3	-549.9	4,729.2	1.90	1.78	-0.66
14,854.0	90.42	358.34	10,025.7	4,819.2	-552.6	4,823.2	1.59	-1.59	0.00
14,948.0	90.33	359.22	10,025.0	4,913.2	-554.6	4,917.2	0.94	-0.10	0.94



Intrepid Survey Report



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Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3636.0usft (H&P 312)
Site:	(Poseidon) Sec-9_T-24-E_R-33-E	MD Reference:	KB @ 3636.0usft (H&P 312)
Well:	Poseidon State Com #181H	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)
15,042.0	89.67	358.70	10,025.0	5,007.2	-556.3	5,011.1	0.89	-0.70	-0.55
15,137.0	89.05	358.96	10,026.1	5,102.2	-558.3	5,106.1	0.71	-0.65	0.27
15,231.0	89.19	359.31	10,027.5	5,196.2	-559.7	5,200.1	0.40	0.15	0.37
15,325.0	89.23	358.70	10,028.8	5,290.1	-561.3	5,294.1	0.65	0.04	-0.65
15,419.0	89.05	0.01	10,030.3	5,384.1	-562.4	5,388.1	1.41	-0.19	1.39
15,513.0	88.57	359.93	10,032.2	5,478.1	-562.4	5,482.1	0.52	-0.51	-0.09
15,608.0	88.53	0.89	10,034.6	5,573.1	-561.8	5,577.0	1.01	-0.04	1.01
15,701.0	89.63	1.33	10,036.1	5,666.0	-560.0	5,670.0	1.27	1.18	0.47
15,796.0	87.60	0.89	10,038.4	5,761.0	-558.1	5,764.9	2.19	-2.14	-0.46
15,890.0	88.48	0.89	10,041.6	5,854.9	-556.7	5,858.8	0.94	0.94	0.00
15,984.0	90.02	1.42	10,042.8	5,948.9	-554.8	5,952.8	1.73	1.64	0.56
16,079.0	90.20	359.13	10,042.7	6,043.9	-554.3	6,047.8	2.42	0.19	-2.41
16,173.0	90.55	357.82	10,042.0	6,137.8	-556.8	6,141.8	1.44	0.37	-1.39
16,267.0	91.16	358.52	10,040.6	6,231.8	-559.8	6,235.7	0.99	0.65	0.74
16,361.0	91.03	358.26	10,038.9	6,325.7	-562.4	6,329.7	0.31	-0.14	-0.28
16,455.0	91.43	357.73	10,036.8	6,419.6	-565.7	6,423.6	0.71	0.43	-0.56
16,550.0	92.44	358.43	10,033.6	6,514.5	-568.9	6,518.5	1.29	1.06	0.74
16,644.0	90.02	358.78	10,031.6	6,608.5	-571.2	6,612.5	2.60	-2.57	0.37
16,738.0	91.16	358.96	10,030.6	6,702.5	-573.1	6,706.5	1.23	1.21	0.19
16,833.0	89.67	359.31	10,030.0	6,797.4	-574.5	6,801.5	1.61	-1.57	0.37
16,927.0	89.76	359.57	10,030.4	6,891.4	-575.4	6,895.5	0.29	0.10	0.28
17,022.0	90.37	359.40	10,030.3	6,986.4	-576.3	6,990.5	0.67	0.64	-0.18
17,116.0	90.02	359.31	10,030.0	7,080.4	-577.3	7,084.5	0.38	-0.37	-0.10
17,210.0	86.51	0.72	10,032.8	7,174.4	-577.3	7,178.4	4.02	-3.73	1.50
17,304.0	85.98	1.24	10,039.0	7,268.1	-575.7	7,272.2	0.79	-0.56	0.55
17,399.0	86.81	1.33	10,045.0	7,362.9	-573.6	7,366.9	0.88	0.87	0.09
17,493.0	87.25	0.98	10,049.8	7,456.8	-571.7	7,460.8	0.60	0.47	-0.37
17,586.0	87.21	0.54	10,054.3	7,549.7	-570.4	7,553.6	0.47	-0.04	-0.47
17,680.0	87.56	0.19	10,058.6	7,643.6	-569.8	7,647.5	0.53	0.37	-0.37
17,774.0	87.82	0.28	10,062.4	7,737.5	-569.5	7,741.5	0.29	0.28	0.10
17,869.0	88.35	359.75	10,065.6	7,832.4	-569.4	7,836.4	0.79	0.56	-0.56
17,963.0	90.59	0.01	10,066.5	7,926.4	-569.6	7,930.4	2.40	2.38	0.28
18,057.0	90.99	0.37	10,065.2	8,020.4	-569.3	8,024.4	0.57	0.43	0.38
18,152.0	91.82	0.45	10,062.8	8,115.4	-568.6	8,119.3	0.88	0.87	0.08
18,246.0	92.44	0.54	10,059.3	8,209.3	-567.8	8,213.3	0.67	0.66	0.10
18,340.0	93.58	0.63	10,054.4	8,303.2	-566.9	8,307.1	1.22	1.21	0.10
18,435.0	92.35	0.37	10,049.5	8,398.0	-566.0	8,402.0	1.32	-1.29	-0.27
18,529.0	88.70	358.43	10,048.6	8,492.0	-567.0	8,495.9	4.40	-3.88	-2.06
18,623.0	89.05	358.08	10,050.5	8,586.0	-569.9	8,589.9	0.53	0.37	-0.37
18,718.0	87.60	358.70	10,053.2	8,680.9	-572.6	8,684.8	1.66	-1.53	0.65
18,812.0	87.87	358.61	10,057.0	8,774.8	-574.8	8,778.8	0.30	0.29	-0.10
18,906.0	88.40	359.13	10,060.0	8,868.7	-576.6	8,872.7	0.79	0.56	0.55
19,000.0	87.96	359.05	10,063.0	8,962.6	-578.1	8,966.6	0.48	-0.47	-0.09



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Poseidon State Com #181H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3636.0usft (H&P 312)
Site:	(Poseidon) Sec-9_T-24-E_R-33-E	MD Reference:	KB @ 3636.0usft (H&P 312)
Well:	Poseidon State Com #181H	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)
19,095.0	88.18	359.13	10,066.2	9,057.6	-579.6	9,061.6	0.25	0.23	0.08
19,191.0	88.70	359.57	10,068.8	9,153.5	-580.7	9,157.5	0.71	0.54	0.46
19,285.0	90.07	359.22	10,069.8	9,247.5	-581.7	9,251.5	1.50	1.46	-0.37
19,379.0	91.38	359.13	10,068.6	9,341.5	-583.0	9,345.5	1.40	1.39	-0.10
19,474.0	93.14	359.49	10,064.9	9,436.4	-584.2	9,440.4	1.89	1.85	0.38
19,568.0	95.08	359.22	10,058.2	9,530.2	-585.2	9,534.2	2.08	2.06	-0.29
19,662.0	92.00	358.96	10,052.4	9,624.0	-586.7	9,628.0	3.29	-3.28	-0.28
19,756.0	91.56	358.34	10,049.4	9,717.9	-589.0	9,721.9	0.81	-0.47	-0.66
19,850.0	92.09	358.43	10,046.4	9,811.8	-591.6	9,815.9	0.57	0.56	0.10
19,945.0	91.52	357.03	10,043.4	9,906.7	-595.4	9,910.8	1.59	-0.60	-1.47
20,039.0	91.08	356.15	10,041.3	10,000.5	-600.9	10,004.6	1.05	-0.47	-0.94
20,133.0	91.43	354.74	10,039.3	10,094.2	-608.4	10,098.4	1.55	0.37	-1.50
20,156.0	91.52	354.74	10,038.7	10,117.1	-610.5	10,121.3	0.39	0.39	0.00
20,220.0	91.52	354.74	10,037.0	10,180.8	-616.4	10,185.0	0.00	0.00	0.00

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
1500'VS (Poseidon St - hit/miss target - Shape - actual wellpath misses target center by 17.7usft at 11528.3usft MD (10017.7 TVD, 1496.2 N, -540.2 E) - Rectangle (sides W100.0 H1,720.0 D30.0)	0.00	359.58	10,000.0	1,496.1	-541.0	448,186.10	773,148.98	32° 13' 47.699 N	103° 35' 1.169 W
FTP (Poseidon State - actual wellpath misses target center by 259.3usft at 9925.0usft MD (9807.6 TVD, -51.3 N, -548.3 E) - Point	0.00	0.00	10,000.0	-224.0	-528.0	446,466.00	773,162.00	32° 13' 30.677 N	103° 35' 1.157 W
LTP (Poseidon State - actual wellpath misses target center by 12.0usft at 20156.0usft MD (10038.7 TVD, 10117.1 N, -610.5 E) - Point	0.00	0.00	10,034.0	10,126.0	-604.0	456,816.00	773,086.00	32° 15' 13.098 N	103° 35' 1.201 W
PBHL (Poseidon State - actual wellpath misses target center by 19.2usft at 20220.0usft MD (10037.0 TVD, 10180.8 N, -616.4 E) - Rectangle (sides W100.0 H4,700.0 D30.0)	-0.10	359.58	10,034.0	10,196.0	-605.0	456,886.00	773,085.00	32° 15' 13.790 N	103° 35' 1.207 W
5500'VS (Poseidon St - actual wellpath misses target center by 12.3usft at 15531.1usft MD (10032.7 TVD, 5496.2 N, -562.4 E) - Rectangle (sides W100.0 H4,000.2 D30.0)	0.60	359.58	10,042.0	5,496.0	-570.4	452,186.00	773,119.56	32° 14' 27.281 N	103° 35' 1.187 W



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Poseidon State Com #181H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3636.0usft (H&P 312)
Site:	(Poseidon) Sec-9_T-24-E_R-33-E	MD Reference:	KB @ 3636.0usft (H&P 312)
Well:	Poseidon State Com #181H	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 (°)
1,249.1	1,249.0	Rustler Anhydrite			
1,771.6	1,771.0	Top Salt			
4,932.8	4,913.0	Base Salt			
5,181.9	5,161.0	Delaware Mountain Gp			
5,188.9	5,168.0	Lamar			
5,209.0	5,188.0	Bell Canyon			
5,229.0	5,208.0	Ramsey Sand			
6,173.0	6,143.0	Cherry Canyon			
7,703.4	7,668.0	Brushy Canyon			
9,126.7	9,091.0	Bone Spring Lime			
9,256.7	9,221.0	Upper Avalon			
9,509.6	9,471.0	Middle Avalon			
10,082.3	9,906.0	Lower Avalon			

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
9,658.2	9,606.3	-224.3	-543.4	FTP @ 9658.2'MD, 100'FSL & 644.9'FWL
20,156.0	10,038.7	10,117.1	-610.5	LAST SVY
20,165.4	10,038.4	10,126.4	-611.4	LTP @ 20165.4'MD, 100'FNL & 653'FWL
20,220.0	10,037.0	10,180.8	-616.4	Projection to TD @ 20220'MD, 45.6'FNL & 648.3'FWL

Checked By: _____ Approved By: _____ 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 C-103 August 1, 2011 Permit 301344 WELL API NUMBER 30-025-48569 5. Indicate Type of Lease S 6. State Oil & Gas Lease No. 7. Lease Name or Unit Agreement Name POSEIDON STATE COM																																
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)																																		
1. Type of Well: O		8. Well Number 181H																																
2. Name of Operator TAP ROCK OPERATING, LLC		9. OGRID Number 372043																																
3. Address of Operator 523 Park Point Drive, Suite 200, Golden, CO 80401		10. Pool name or Wildcat																																
4. Well Location Unit Letter <u>M</u> : <u>322</u> feet from the <u>S</u> line and feet <u>1190</u> from the <u>W</u> line Section <u>9</u> Township <u>24S</u> Range <u>33E</u> NMPM _____ County <u>Lea</u>																																		
11. Elevation (Show whether DR, KB, BT, GR, etc.) 3610 GR																																		
Pit or Below-grade Tank Application ☐ or Closure ☐ Pit Type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____ Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____																																		
12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data <table style="width:100%;"> <tr> <td colspan="2">NOTICE OF INTENTION TO:</td> <td colspan="2">SUBSEQUENT REPORT OF:</td> </tr> <tr> <td>PERFORM REMEDIAL WORK ☐</td> <td>PLUG AND ABANDON ☐</td> <td>REMEDIAL WORK ☐</td> <td>ALTER CASING ☐</td> </tr> <tr> <td>TEMPORARILY ABANDON ☐</td> <td>CHANGE OF PLANS ☐</td> <td>COMMENCE DRILLING OPNS. ☐</td> <td>PLUG AND ABANDON ☐</td> </tr> <tr> <td>PULL OR ALTER CASING ☐</td> <td>MULTIPLE COMPL ☐</td> <td>CASING/CEMENT JOB ☐</td> <td></td> </tr> <tr> <td colspan="2">Other: _____</td> <td colspan="2">Other: <u>Perforations/Tubing</u> ☒</td> </tr> </table>			NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:		PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTER CASING ☐	TEMPORARILY ABANDON ☐	CHANGE OF PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDON ☐	PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐		Other: _____		Other: <u>Perforations/Tubing</u> ☒													
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Other: _____		Other: <u>Perforations/Tubing</u> ☒																																
13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work.) SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion. 8/5/2021: Pressure test casing to 5055 psi for 30 minutes, good test. 8/6/2021 to 9/2/2021: Perforate from 10160 ft to 20089 ft, 1 SPF, .55 inch holes with 507 total shots. 39 stage frac with 22,329,730 lbs of 100 mesh sand. 9/18/2021 to 9/19/2021: Drill out plugs 9/20/2021: Ready to produce Perforations <table style="width:100%;"> <tr> <th>TOP</th> <th>BOT</th> <th>Open Hole</th> <th>Shots/ft</th> <th>Shot Size</th> <th>Material</th> <th>Stimulation</th> <th>Amount</th> </tr> <tr> <td>10160</td> <td>20089</td> <td>N</td> <td>1</td> <td>0.55</td> <td>Sand</td> <td>Frac</td> <td>22329730</td> </tr> </table> Tubing <table style="width:100%;"> <tr> <th>TOP</th> <th>BOT</th> <th>Open Hole</th> <th>Shots/ft</th> <th>Shot Size</th> <th>Material</th> <th>Stimulation</th> <th>Amount</th> </tr> <tr> <td>10160</td> <td>20089</td> <td>N</td> <td>1</td> <td>0.55</td> <td>Sand</td> <td>Frac</td> <td>22329730</td> </tr> </table>			TOP	BOT	Open Hole	Shots/ft	Shot Size	Material	Stimulation	Amount	10160	20089	N	1	0.55	Sand	Frac	22329730	TOP	BOT	Open Hole	Shots/ft	Shot Size	Material	Stimulation	Amount	10160	20089	N	1	0.55	Sand	Frac	22329730
TOP	BOT	Open Hole	Shots/ft	Shot Size	Material	Stimulation	Amount																											
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10160	20089	N	1	0.55	Sand	Frac	22329730																											
I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOC guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐ .																																		
SIGNATURE <u>Electronically Signed</u> TITLE <u>Regulatory Manager</u> DATE <u>9/22/2021</u> Type or print name <u>Christian Combs</u> E-mail address <u>ccombs@taprk.com</u> Telephone No. <u>720-360-4028</u>																																		
For State Use Only: APPROVED BY: <u>Kurt Simmons</u> TITLE <u>Petroleum Specialist - A</u> DATE <u>9/22/2021 2:08:38 PM</u>																																		

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505			Form C-105 Revised April 3, 2017													
WELL COMPLETION OR RECOMPLETION REPORT AND LOG																		
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)								5. Lease Name or Unit Agreement Name Poseidon State Com 6. Well Number: 181H										
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER																		
8. Name of Operator TAP ROCK OPERATING, LLC							9. OGRID 372043											
10. Address of Operator 523 PARK POINT DRIVE, SUITE 200, GOLDEN, CO							11. Pool name or Wildcat Triple X Bonespring; Triple X Bonespring West											
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County								
Surface:	M	9	24-S	33-E	-	322'	S	1190'	W	LEA								
BH:	4	4	24-S	33-E	-	30'	N	660'	W	LEA								
13. Date Spudded 5/2/2021	14. Date T.D. Reached 6/22/2021		15. Date Rig Released 6/24/2021		16. Date Completed (Ready to Produce) 9/20/2021			17. Elevations (DF and RKB, RT, GR, etc.) 3610 GR										
18. Total Measured Depth of Well 20220			19. Plug Back Measured Depth 20159		20. Was Directional Survey Made? YES			21. Type Electric and Other Logs Run GAMMA										
22. Producing Interval(s), of this completion - Top, Bottom, Name 10160' - 20089'							Triple X Bonespring; Triple X Bonespring West											
23. CASING RECORD (Report all strings set in well)																		
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED								
13.375"		54.5		1279'		17.5"		915 SKS		0								
9.625"		40		5255'		12.25"		1508 SKS		0								
5.5"		20		20204'		8.75"		2303 SKS		0								
24. LINER RECORD						25. TUBING RECORD												
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET		PACKER SET									
26. Perforation record (interval, size, and number) Perforate from 10160 ft to 20089 ft, 1 SPF, .55 inch holes with 507 total shots						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>DEPTH INTERVAL</th> <th>AMOUNT AND KIND MATERIAL USED</th> </tr> <tr> <td>10160' - 20089'</td> <td>39 stage frac with 22,329,730 lbs of 100 mesh sand</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>					DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	10160' - 20089'	39 stage frac with 22,329,730 lbs of 100 mesh sand				
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED																	
10160' - 20089'	39 stage frac with 22,329,730 lbs of 100 mesh sand																	
28. PRODUCTION																		
Date First Production 09/26/2021		Production Method (Flowing, gas lift, pumping - Size and type pump) FLOWING				Well Status (Prod. or Shut-in) PRODUCING												
Date of Test 10/10/2021	Hours Tested 24 HRS	Choke Size 46/64	Prod'n For Test Period	Oil - Bbl 1213	Gas - MCF 1071	Water - Bbl. 3333	Gas - Oil Ratio 1133											
Flow Tubing Press. 0	Casing Pressure 780	Calculated 24-Hour Rate	Oil - Bbl. 1213	Gas - MCF 1071	Water - Bbl. 3333	Oil Gravity - API - (Corr.)												
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD							30. Test Witnessed By											
31. List Attachments Directional Survey, C-102 As Drilled																		
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.							33. Rig Release Date:											
34. If an on-site burial was used at the well, report the exact location of the on-site burial:																		
Latitude			Longitude			NAD83												
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief																		
Signature 		Printed Name Bill Ramsey			Title Regulatory Analyst			Date 10/13/2021										
E-mail Address bramsey@t+																		

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

[illegible]

No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

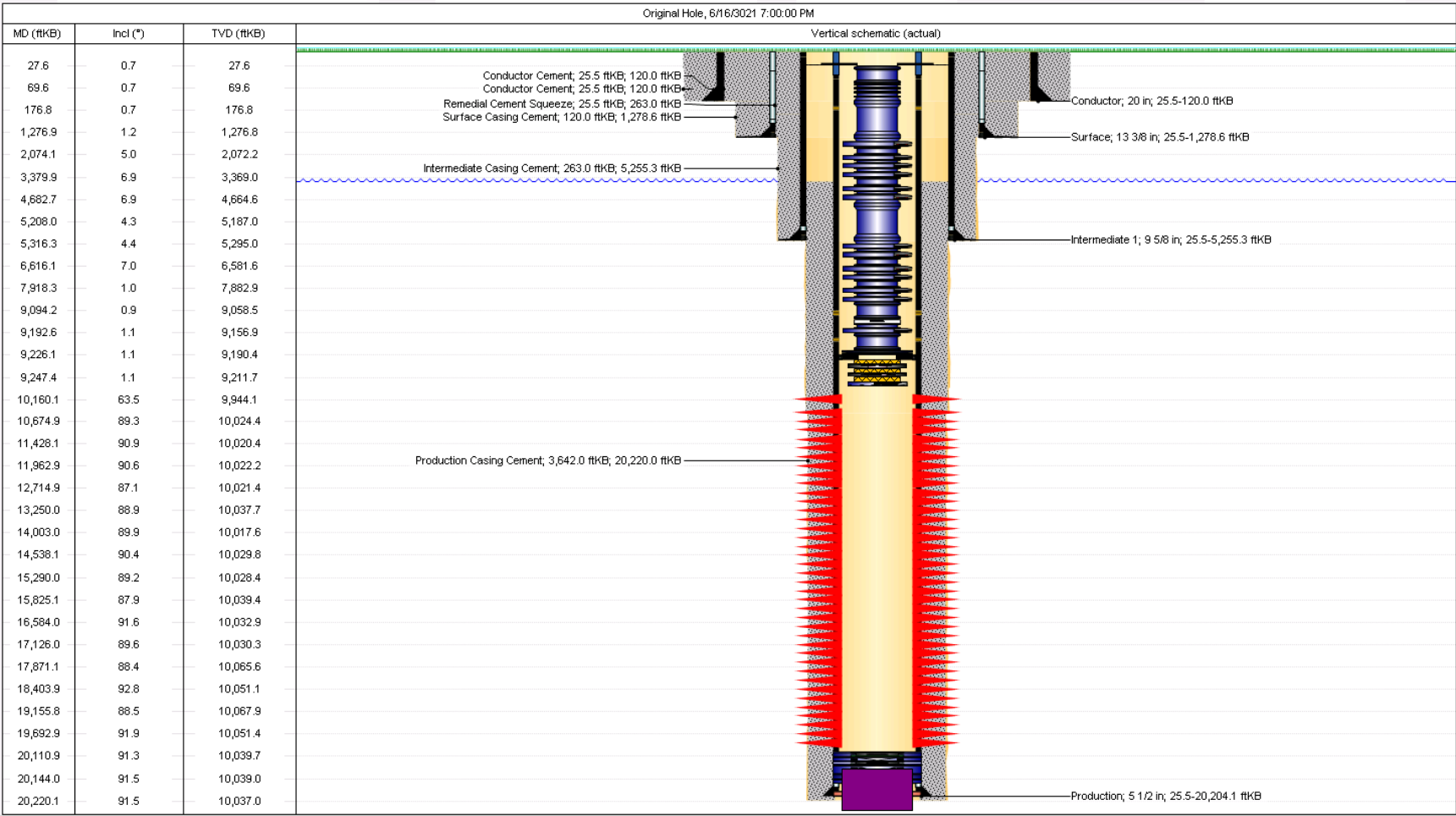
Include data on rate of water inflow and elevation to which water rose in hole.

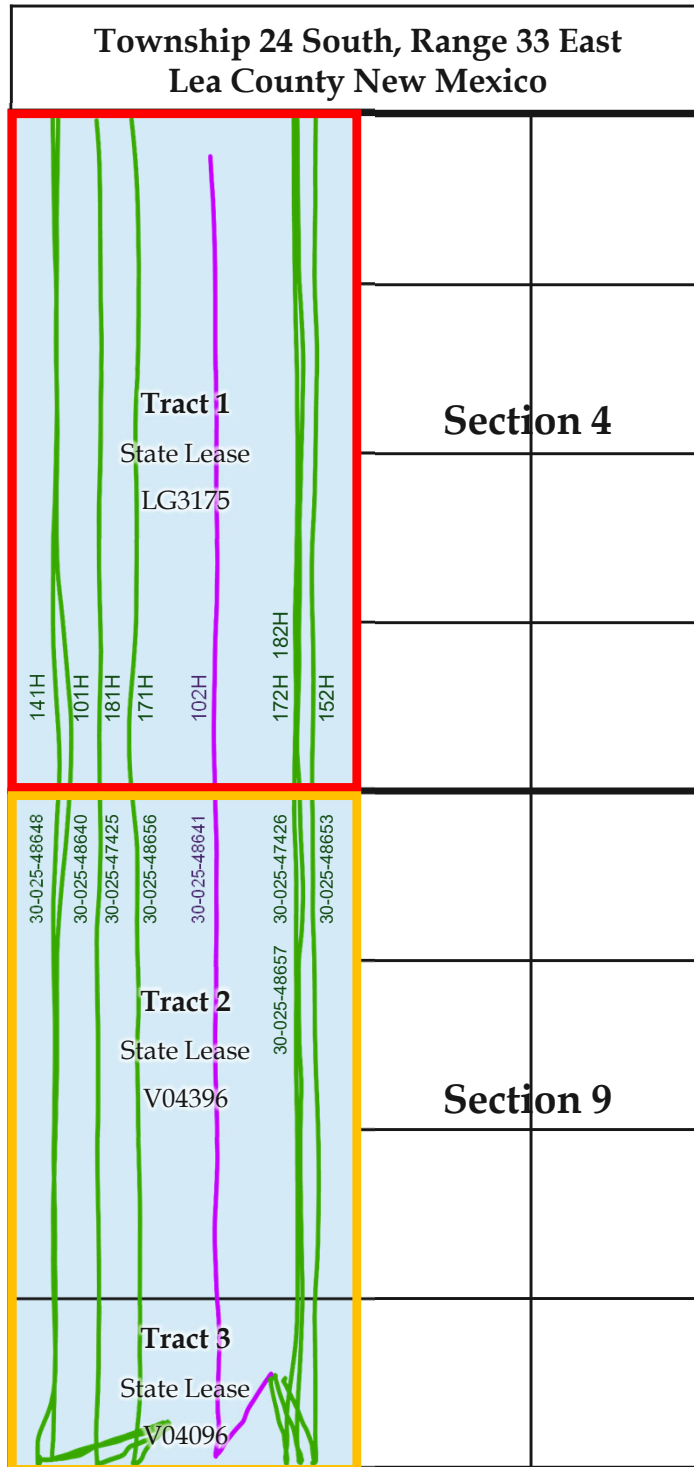
No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

From	To	Thickness In Feet	Lithology		From	To	Thickness In Feet	Lithology
550	1762		Rustler					
1762	4873		Top of Salt					
4873	5095		Base of Salt					
5095	5162		Delaware					
5162	6156		Bell Canyon					
6156	7670		Cherry Canyon					
7670	9140		Brushy Canyon					
9140	9276		Bronespring Lime					
9276			Avalon					

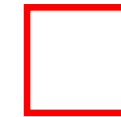
Tap Rock Operating, LLC

Poseidon State Com 181H Wellbore Diagram





State Acreage



Triple X Bone Spring Pool



Triple X Bone Spring West Pool



Defining Bone Spring Poseidon Well



Poseidon Bone Spring Wells

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

ACKNOWLEDGMENTS

Action 305750

ACKNOWLEDGMENTS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 305750
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

District I
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Phone:(575) 393-6161 Fax:(575) 393-0720
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Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
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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

CONDITIONS

Action 305750

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 305750
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	8/28/2024