

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 25-48571	⁵ Pool Name TRIPLE X:BONE SPRING	⁶ Pool Code 59900
⁷ Property Code 325667	⁸ Property Name POSEIDON STATE COM	⁹ Well Number 141H

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	1165'	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	-	38'	NORTH	360'	WEST	LEA
¹² Lse Code S	¹³ Producing Method Code F	¹⁴ Gas Connection Date 9/15/2021	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 5/1/2021	²² Ready Date 9/15/2021	²³ TD 20900'	²⁴ PBTB 20837'	²⁵ Perforations 14713' - 20752	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5"	13.375"	1344'	915 SKS		
12.25"	9.625"	5268'	1156 SKS		
8.5"	5.5"	20885'	1197 SKS		

V. Well Test Data

³¹ Date New Oil 9/19/2021	³² Gas Delivery Date 9/19/2021	³³ Test Date 10/10/2021	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure 0	³⁶ Csg. Pressure 600
³⁷ Choke Size 48/64	³⁸ Oil 1282	³⁹ Water 3474	⁴⁰ Gas 2972		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: 1/19/2024		
Date: 4/14/2022		Phone: 720-772-5910			

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 25-48571	⁵ Pool Name TRIPLE X:BONE SPRING, WEST	⁶ Pool Code 96674
⁷ Property Code 325667	⁸ Property Name POSEIDON STATE COM	⁹ Well Number 141H

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	1165'	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	-	38'	NORTH	360'	WEST	LEA
¹² Lse Code S	¹³ Producing Method Code F	¹⁴ Gas Connection Date 9/15/2021	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 5/1/2021	²² Ready Date 9/15/2021	²³ TD 20900'	²⁴ PBTB 20837'	²⁵ Perforations 10810' - 14713'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5"	13.375"	1344'	915 SKS		
12.25"	9.625"	5268'	1156 SKS		
8.5"	5.5"	20885'	1197 SKS		

V. Well Test Data

³¹ Date New Oil 9/19/2021	³² Gas Delivery Date 9/19/2021	³³ Test Date 10/12/2021	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure 0	³⁶ Csg. Pressure 600
³⁷ Choke Size 48/64	³⁸ Oil 1282	³⁹ Water 3474	⁴⁰ Gas 2972		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: 1/19/2024		
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 30-025-48571	² Pool Code 59900	³ Pool Name TRIPLE X;BONE SPRING
⁴ Property Code 325667	⁵ Property Name POSEIDON STATE COM	⁶ Well Number 141H
⁷ OGRID No. #372043	⁸ Operator Name TAP ROCK OPERATING, LLC.	⁹ Elevation 3609'

¹⁰Surface Location

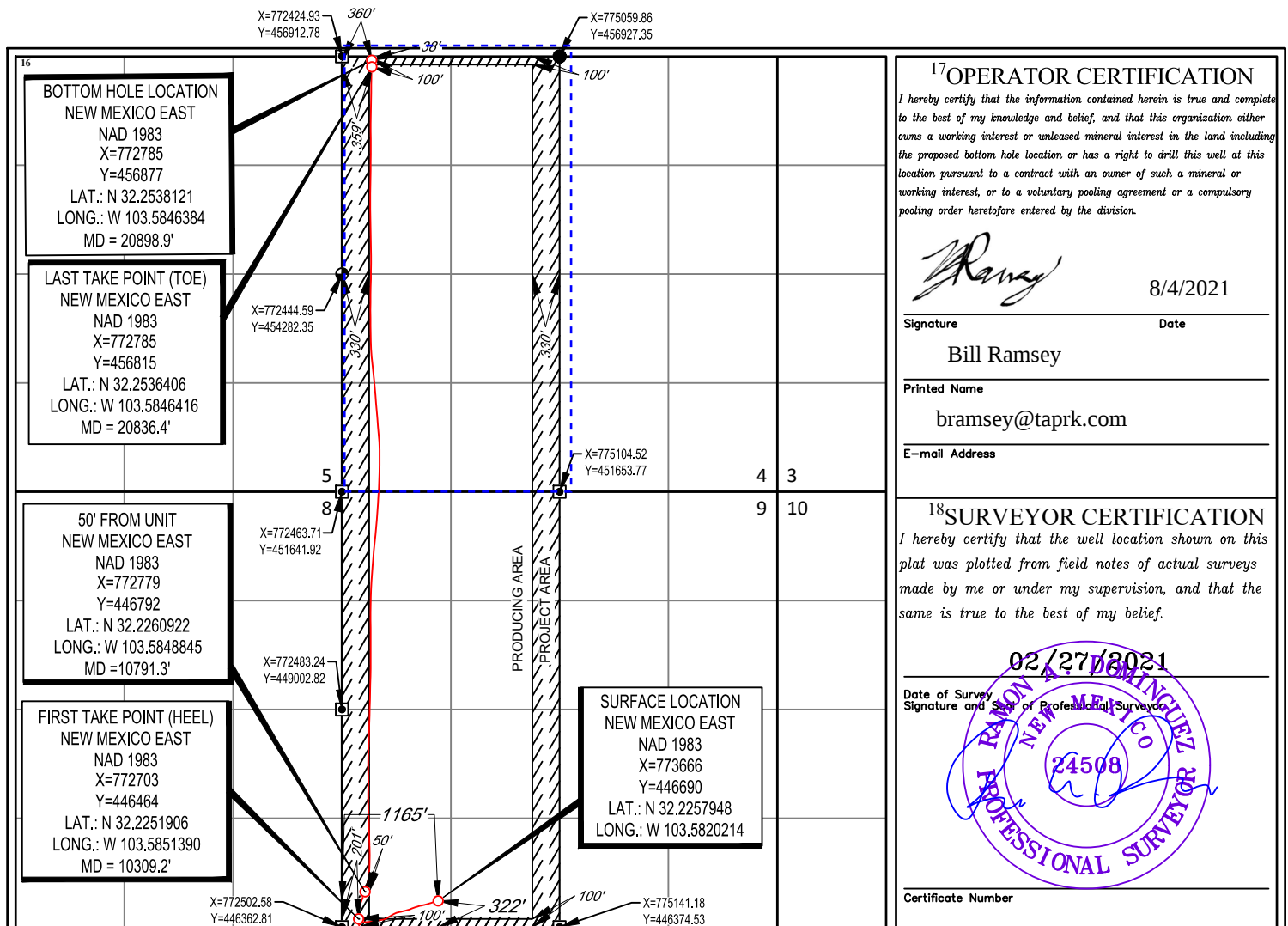
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	9	24-S	33-E	-	322'	SOUTH	1165'	WEST	LEA

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
4	4	24-S	33-E	-	38'	NORTH	360'	WEST	LEA

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.



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 30-025-48571	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 141H
⁷ OGRID No. #372043	⁸ Operator Name TAP ROCK OPERATING, LLC.	⁹ Elevation 3609'

¹⁰Surface Location

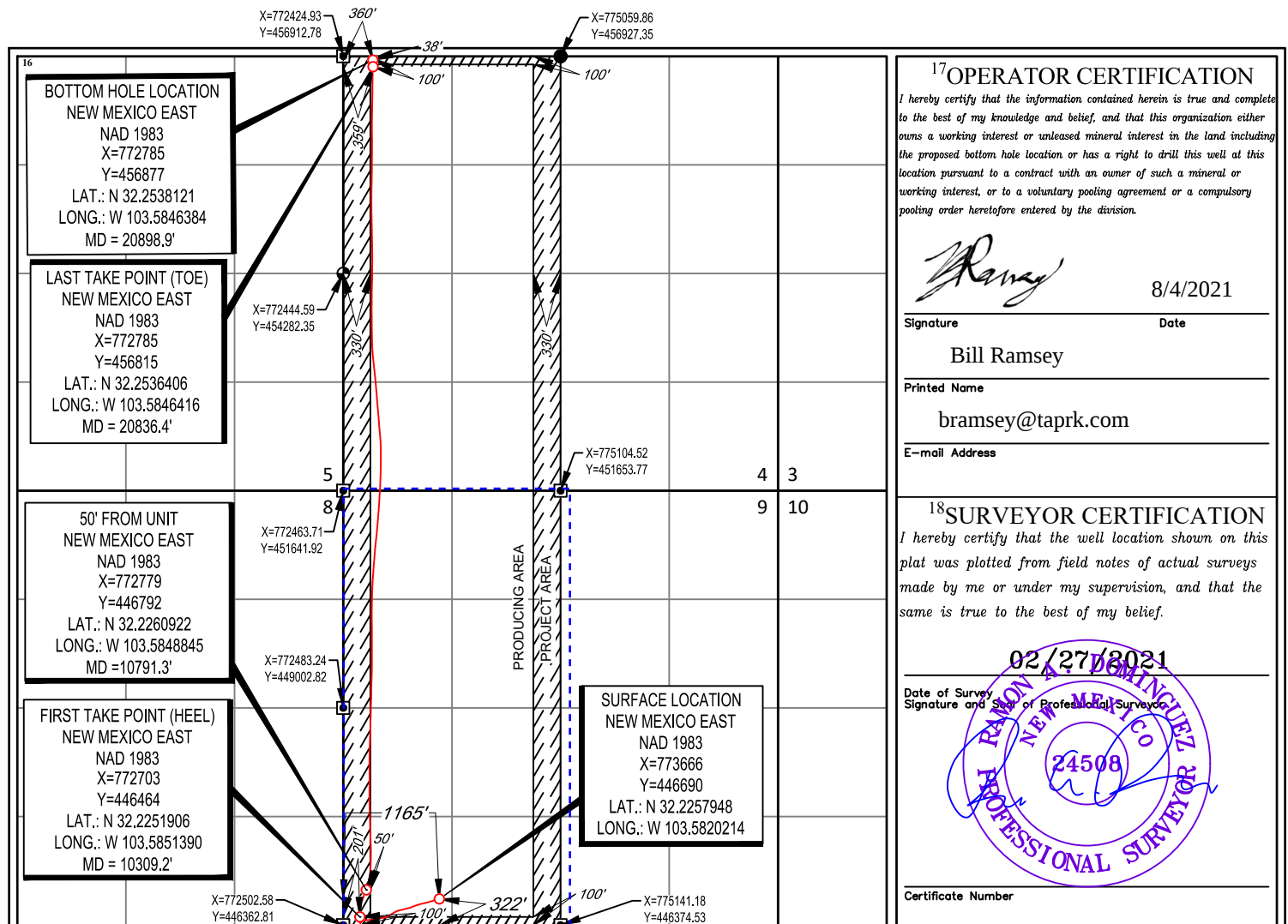
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	9	24-S	33-E	-	322'	SOUTH	1165'	WEST	LEA

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
4	4	24-S	33-E	-	38'	NORTH	360'	WEST	LEA

¹² Dedicated Acres 320	¹³ Joint or 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 #141H
County: Lea
State: New Mexico
Rig Name: H&P 312
API: 30-025-48571

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 – 20,836' MD
Projection to Bit: 20,900' MD
Dates Performed: 05/01/2021 – 05/22/2021
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 #141H**

OWB

Design: AWB

Standard Survey Report

24 May, 2021





Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Poseidon State Com #141H
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 #141H	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 #141H		
Well Position	+N/-S	0.0 usft	Northing: 446,690.00 usft
	+E/-W	0.0 usft	Easting: 773,665.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 13' 32.859 N
		Longitude:	103° 34' 55.284 W
		Ground Level:	3,610.0 usft

Wellbore	OWB		
Magnetics	Model Name	Sample Date	Declination (°)
	HDGM	05/02/21	6.39
			Dip Angle (°) 59.82
			Field Strength (nT) 47,669.86988479

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	05/24/21		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
173.0	9,330.0	Intrepid MWD (OWB)	MWD	OWSG MWD - Standard
9,424.0	20,900.0	Intrepid MWD Crv/Lat (OWB)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction

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	247.16	173.0	-0.4	-1.0	-0.4	0.40	0.40	0.00
233.0	0.40	229.58	233.0	-0.7	-1.5	-0.7	0.57	-0.50	-29.30
418.0	0.88	210.95	418.0	-2.3	-2.7	-2.3	0.28	0.26	-10.07
509.0	1.01	202.60	509.0	-3.7	-3.4	-3.6	0.21	0.14	-9.18
599.0	1.14	266.23	599.0	-4.5	-4.6	-4.4	1.27	0.14	70.70
689.0	1.19	285.22	688.9	-4.3	-6.4	-4.2	0.43	0.06	21.10
783.0	1.05	273.79	782.9	-4.0	-8.2	-3.9	0.28	-0.15	-12.16
877.0	1.23	268.26	876.9	-3.9	-10.0	-3.9	0.22	0.19	-5.88
971.0	1.41	278.80	970.9	-3.8	-12.2	-3.7	0.32	0.19	11.21



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Poseidon State Com #141H
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 #141H	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)
1,065.0	1.10	275.37	1,064.9	-3.5	-14.2	-3.4	0.34	-0.33	-3.65
1,159.0	1.27	262.89	1,158.8	-3.6	-16.1	-3.4	0.33	0.18	-13.28
1,253.0	1.14	269.93	1,252.8	-3.7	-18.1	-3.6	0.21	-0.14	7.49
1,268.2	1.16	270.77	1,268.0	-3.7	-18.4	-3.6	0.17	0.13	5.53
Rustler Anhydrite									
1,292.0	1.19	272.03	1,291.8	-3.7	-18.9	-3.5	0.17	0.13	5.29
1,414.0	0.22	287.86	1,413.8	-3.6	-20.4	-3.4	0.80	-0.80	12.98
1,509.0	1.32	249.71	1,508.8	-3.9	-21.6	-3.7	1.22	1.16	-40.16
1,603.0	2.90	249.97	1,602.7	-5.1	-24.8	-4.9	1.68	1.68	0.28
1,697.0	4.44	249.97	1,696.5	-7.1	-30.5	-6.9	1.64	1.64	0.00
1,790.8	5.01	253.92	1,790.0	-9.5	-37.8	-9.2	0.70	0.61	4.21
Top Salt									
1,791.0	5.01	253.93	1,790.2	-9.5	-37.9	-9.2	0.70	0.62	3.73
1,886.0	4.62	252.79	1,884.9	-11.8	-45.5	-11.5	0.42	-0.41	-1.20
1,980.0	5.27	250.15	1,978.5	-14.4	-53.2	-14.0	0.73	0.69	-2.81
2,074.0	7.16	249.01	2,072.0	-18.0	-62.7	-17.5	2.01	2.01	-1.21
2,168.0	9.19	250.59	2,165.0	-22.5	-75.3	-22.0	2.17	2.16	1.68
2,263.0	11.08	251.56	2,258.5	-28.0	-91.1	-27.3	2.00	1.99	1.02
2,357.0	12.22	252.87	2,350.6	-33.7	-109.2	-32.9	1.24	1.21	1.39
2,452.0	12.13	253.67	2,443.4	-39.5	-128.3	-38.6	0.20	-0.09	0.84
2,546.0	11.65	253.75	2,535.4	-44.9	-146.9	-43.9	0.51	-0.51	0.09
2,640.0	11.08	255.07	2,627.6	-49.9	-164.8	-48.7	0.67	-0.61	1.40
2,734.0	10.68	256.48	2,719.9	-54.3	-182.0	-53.0	0.51	-0.43	1.50
2,828.0	10.33	258.59	2,812.3	-58.0	-198.7	-56.5	0.55	-0.37	2.24
2,922.0	9.98	259.38	2,904.8	-61.2	-215.0	-59.6	0.40	-0.37	0.84
3,016.0	10.33	254.19	2,997.4	-65.0	-231.1	-63.3	1.04	0.37	-5.52
3,110.0	10.77	249.80	3,089.8	-70.3	-247.4	-68.5	0.97	0.47	-4.67
3,204.0	10.37	250.94	3,182.2	-76.1	-263.7	-74.1	0.48	-0.43	1.21
3,298.0	9.67	252.70	3,274.8	-81.2	-279.2	-79.1	0.81	-0.74	1.87
3,392.0	9.01	251.82	3,367.5	-85.8	-293.7	-83.7	0.72	-0.70	-0.94
3,487.0	10.42	247.60	3,461.1	-91.4	-308.7	-89.2	1.66	1.48	-4.44
3,581.0	11.82	245.23	3,553.4	-98.7	-325.3	-96.3	1.57	1.49	-2.52
3,675.0	10.90	247.78	3,645.5	-106.1	-342.3	-103.6	1.11	-0.98	2.71
3,770.0	11.38	252.44	3,738.7	-112.3	-359.6	-109.7	1.07	0.51	4.91
3,864.0	11.30	255.95	3,830.9	-117.4	-377.3	-114.6	0.74	-0.09	3.73
3,958.0	10.77	256.13	3,923.2	-121.7	-394.8	-118.8	0.57	-0.56	0.19
4,052.0	10.46	255.95	4,015.6	-125.9	-411.6	-122.9	0.33	-0.33	-0.19
4,146.0	11.56	255.86	4,107.8	-130.3	-429.0	-127.1	1.17	1.17	-0.10
4,240.0	12.57	255.51	4,199.8	-135.1	-448.1	-131.8	1.08	1.07	-0.37
4,335.0	11.87	257.97	4,292.6	-139.7	-467.6	-136.3	0.92	-0.74	2.59
4,429.0	10.11	258.32	4,384.9	-143.4	-485.2	-139.9	1.87	-1.87	0.37
4,522.0	9.58	249.27	4,476.5	-147.8	-500.4	-144.1	1.76	-0.57	-9.73
4,617.0	10.11	244.79	4,570.1	-154.2	-515.3	-150.4	0.98	0.56	-4.72



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Poseidon State Com #141H
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 #141H	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)
4,711.0	10.29	245.67	4,662.6	-161.1	-530.4	-157.2	0.25	0.19	0.94
4,805.0	10.90	239.87	4,755.0	-169.1	-545.8	-165.1	1.31	0.65	-6.17
4,900.0	10.95	237.93	4,848.3	-178.4	-561.2	-174.2	0.39	0.05	-2.04
4,985.2	10.87	238.49	4,932.0	-186.9	-574.9	-182.6	0.16	-0.10	0.66
Base Salt									
4,994.0	10.86	238.55	4,940.6	-187.7	-576.3	-183.5	0.16	-0.10	0.66
5,088.0	10.02	239.25	5,033.1	-196.5	-590.9	-192.2	0.90	-0.89	0.74
5,182.0	9.10	238.28	5,125.7	-204.6	-604.2	-200.2	0.99	-0.98	-1.03
5,217.0	8.79	238.81	5,160.3	-207.4	-608.9	-203.0	0.92	-0.89	1.51
5,236.9	8.86	238.86	5,180.0	-209.0	-611.5	-204.5	0.34	0.34	0.23
Delaware Mountain Gp									
5,244.0	8.88	238.87	5,187.0	-209.6	-612.4	-205.1	0.34	0.34	0.23
Lamar									
5,265.3	8.95	238.92	5,208.0	-211.3	-615.3	-206.8	0.34	0.34	0.23
Bell Canyon									
5,285.5	9.02	238.97	5,228.0	-212.9	-618.0	-208.4	0.34	0.34	0.22
Ramsey Sand									
5,375.0	9.32	239.16	5,316.4	-220.3	-630.2	-215.6	0.34	0.34	0.22
5,469.0	10.81	250.41	5,408.9	-227.1	-645.0	-222.4	2.62	1.59	11.97
5,563.0	12.31	259.64	5,501.0	-231.9	-663.2	-227.0	2.53	1.60	9.82
5,658.0	12.79	259.29	5,593.7	-235.7	-683.5	-230.6	0.51	0.51	-0.37
5,752.0	12.40	260.70	5,685.5	-239.2	-703.7	-234.0	0.53	-0.41	1.50
5,847.0	12.57	257.62	5,778.2	-243.1	-723.9	-237.8	0.72	0.18	-3.24
5,941.0	13.14	256.65	5,869.9	-247.7	-744.2	-242.3	0.65	0.61	-1.03
6,035.0	12.70	262.37	5,961.5	-251.6	-764.9	-246.0	1.44	-0.47	6.09
6,130.0	12.09	264.74	6,054.3	-253.9	-785.1	-248.1	0.84	-0.64	2.49
6,224.0	11.87	262.89	6,146.2	-256.0	-804.5	-250.1	0.47	-0.23	-1.97
6,240.1	11.91	262.72	6,162.0	-256.4	-807.8	-250.5	0.32	0.23	-1.04
Cherry Canyon									
6,318.0	12.09	261.93	6,238.2	-258.6	-823.9	-252.5	0.32	0.23	-1.02
6,413.0	11.52	262.63	6,331.2	-261.2	-843.1	-255.0	0.62	-0.60	0.74
6,507.0	12.18	260.43	6,423.2	-264.0	-862.2	-257.7	0.85	0.70	-2.34
6,601.0	11.30	268.52	6,515.2	-265.9	-881.2	-259.4	1.98	-0.94	8.61
6,695.0	11.69	269.66	6,607.3	-266.2	-899.9	-259.6	0.48	0.41	1.21
6,790.0	10.37	275.20	6,700.6	-265.5	-918.1	-258.7	1.78	-1.39	5.83
6,884.0	7.91	282.41	6,793.4	-263.3	-932.8	-256.5	2.88	-2.62	7.67
6,978.0	6.46	291.81	6,886.6	-260.0	-944.0	-253.0	1.98	-1.54	10.00
7,072.0	3.87	316.60	6,980.3	-255.7	-951.1	-248.7	3.58	-2.76	26.37
7,166.0	2.42	12.58	7,074.1	-251.5	-952.9	-244.5	3.42	-1.54	59.55
7,260.0	2.86	27.08	7,168.0	-247.4	-951.4	-240.5	0.85	0.47	15.43
7,355.0	1.63	51.61	7,263.0	-244.5	-949.2	-237.5	1.62	-1.29	25.82
7,448.0	1.32	145.56	7,355.9	-244.5	-947.6	-237.6	2.33	-0.33	101.02
7,543.0	2.11	163.58	7,450.9	-247.1	-946.5	-240.2	1.00	0.83	18.97
7,637.0	2.42	172.98	7,544.8	-250.8	-945.8	-243.8	0.51	0.33	10.00
7,731.0	2.07	173.95	7,638.8	-254.4	-945.3	-247.5	0.37	-0.37	1.03



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Poseidon State Com #141H
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 #141H	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)
7,780.3	1.97	168.22	7,688.0	-256.1	-945.1	-249.2	0.46	-0.21	-11.63
Brushy Canyon									
7,825.0	1.89	162.52	7,732.7	-257.6	-944.7	-250.6	0.46	-0.17	-12.74
7,919.0	2.33	163.40	7,826.6	-260.9	-943.7	-254.0	0.47	0.47	0.94
8,013.0	2.24	172.10	7,920.6	-264.5	-942.9	-257.6	0.38	-0.10	9.26
8,107.0	2.46	165.07	8,014.5	-268.3	-942.1	-261.4	0.39	0.23	-7.48
8,201.0	2.68	161.56	8,108.4	-272.3	-940.9	-265.4	0.29	0.23	-3.73
8,296.0	0.97	189.33	8,203.3	-275.2	-940.3	-268.3	1.98	-1.80	29.23
8,390.0	0.88	207.61	8,297.3	-276.7	-940.8	-269.8	0.33	-0.10	19.45
8,484.0	0.88	203.30	8,391.3	-278.0	-941.4	-271.1	0.07	0.00	-4.59
8,578.0	1.41	212.01	8,485.3	-279.6	-942.3	-272.7	0.59	0.56	9.27
8,672.0	1.49	193.37	8,579.3	-281.8	-943.2	-274.9	0.51	0.09	-19.83
8,767.0	1.67	201.11	8,674.2	-284.3	-944.0	-277.4	0.29	0.19	8.15
8,860.0	1.41	197.33	8,767.2	-286.6	-944.8	-279.7	0.30	-0.28	-4.06
8,954.0	1.63	198.03	8,861.2	-289.0	-945.6	-282.1	0.23	0.23	0.74
9,048.0	1.49	196.71	8,955.1	-291.5	-946.3	-284.5	0.15	-0.15	-1.40
9,142.0	1.41	212.45	9,049.1	-293.6	-947.3	-286.6	0.43	-0.09	16.74
9,202.9	1.45	201.93	9,110.0	-294.9	-948.0	-288.0	0.44	0.06	-17.28
Bone Spring Lime									
9,236.0	1.49	196.54	9,143.1	-295.7	-948.3	-288.8	0.44	0.12	-16.28
9,330.0	1.23	246.46	9,237.0	-297.3	-949.5	-290.4	1.25	-0.28	53.11
9,334.0	1.23	248.50	9,241.0	-297.4	-949.6	-290.4	1.11	-0.02	51.55
Upper Avalon									
9,424.0	1.58	287.59	9,331.0	-297.3	-951.7	-290.3	1.11	0.39	43.41
9,518.0	1.01	269.49	9,425.0	-296.9	-953.8	-289.9	0.74	-0.61	-19.26
9,583.0	0.80	248.23	9,490.0	-297.1	-954.8	-290.1	0.61	-0.33	-32.70
Middle Avalon									
9,613.0	0.75	235.21	9,520.0	-297.3	-955.1	-290.3	0.61	-0.16	-43.41
9,708.0	0.70	229.41	9,615.0	-298.0	-956.1	-291.0	0.09	-0.05	-6.11
9,802.0	0.66	228.53	9,709.0	-298.8	-956.9	-291.8	0.04	-0.04	-0.94
9,881.0	1.36	219.30	9,788.0	-299.8	-957.8	-292.8	0.91	0.89	-11.68
9,929.0	1.60	196.09	9,835.9	-300.9	-958.4	-293.9	1.33	0.50	-48.35
10,019.2	5.07	347.37	9,926.0	-298.2	-959.6	-291.2	7.23	3.85	167.80
Lower Avalon									
10,023.0	5.35	347.72	9,929.8	-297.9	-959.7	-290.8	7.23	7.19	9.17
10,118.0	10.20	355.67	10,023.9	-285.1	-961.3	-278.1	5.22	5.11	8.37
10,213.0	17.79	359.34	10,116.0	-262.2	-962.1	-255.1	8.04	7.99	3.86
10,255.4	21.14	359.25	10,156.0	-248.1	-962.2	-241.0	7.90	7.90	-0.20
1st Bone Spring Sand									
10,307.0	25.22	359.18	10,203.4	-227.8	-962.5	-220.7	7.90	7.90	-0.14
10,402.0	32.17	358.64	10,286.7	-182.2	-963.4	-175.1	7.32	7.32	-0.57
10,496.0	40.52	3.99	10,362.4	-126.6	-961.9	-119.5	9.49	8.88	5.69
10,526.0	43.52	8.82	10,384.7	-106.7	-959.6	-99.6	14.70	10.00	16.10
10,559.0	46.97	13.73	10,407.9	-83.7	-955.0	-76.7	14.86	10.45	14.88



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Poseidon State Com #141H
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 #141H	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)
10,590.0	49.10	17.81	10,428.7	-61.5	-948.7	-54.6	11.96	6.87	13.16
10,615.6	51.39	19.81	10,445.0	-42.9	-942.4	-36.0	10.78	8.95	7.81
2nd Bone Spring Carb									
10,622.0	51.97	20.29	10,449.0	-38.2	-940.7	-31.3	10.78	9.03	7.50
10,685.0	59.23	21.66	10,484.6	10.3	-922.0	17.1	11.66	11.52	2.17
10,730.0	66.41	22.21	10,505.1	47.4	-907.1	54.1	15.99	15.96	1.22
10,778.0	72.98	21.16	10,521.8	89.2	-890.5	95.7	13.84	13.69	-2.19
10,831.0	77.44	16.34	10,535.3	137.7	-874.0	144.1	12.17	8.42	-9.09
10,870.0	79.10	13.99	10,543.2	174.6	-864.1	180.9	7.27	4.26	-6.03
10,964.0	82.60	8.51	10,558.2	265.5	-846.0	271.7	6.85	3.72	-5.83
11,059.0	83.62	3.47	10,569.6	359.3	-836.1	365.4	5.38	1.07	-5.31
11,153.0	90.57	0.18	10,574.3	453.1	-833.2	459.2	8.18	7.39	-3.50
11,248.0	91.22	359.20	10,572.9	548.1	-833.7	554.2	1.24	0.68	-1.03
11,342.0	90.73	358.12	10,571.3	642.0	-835.9	648.1	1.26	-0.52	-1.15
11,436.0	91.03	357.61	10,569.8	735.9	-839.4	742.1	0.63	0.32	-0.54
11,531.0	90.48	358.26	10,568.6	830.9	-842.8	837.0	0.90	-0.58	0.68
11,625.0	89.33	357.31	10,568.7	924.8	-846.4	931.0	1.59	-1.22	-1.01
11,719.0	89.62	358.06	10,569.6	1,018.7	-850.2	1,024.9	0.86	0.31	0.80
11,814.0	90.53	358.74	10,569.5	1,113.7	-852.9	1,119.9	1.20	0.96	0.72
11,908.0	90.34	358.02	10,568.7	1,207.6	-855.5	1,213.9	0.79	-0.20	-0.77
12,002.0	91.11	0.16	10,567.5	1,301.6	-857.0	1,307.9	2.42	0.82	2.28
12,096.0	91.74	0.47	10,565.2	1,395.6	-856.5	1,401.8	0.75	0.67	0.33
12,190.0	91.45	359.18	10,562.6	1,489.5	-856.8	1,495.8	1.41	-0.31	-1.37
12,285.0	90.72	358.20	10,560.8	1,584.5	-859.0	1,590.8	1.29	-0.77	-1.03
12,379.0	91.20	0.66	10,559.2	1,678.5	-859.9	1,684.7	2.67	0.51	2.62
12,473.0	92.50	1.50	10,556.2	1,772.4	-858.1	1,778.6	1.65	1.38	0.89
12,568.0	89.10	1.87	10,554.9	1,867.3	-855.3	1,873.6	3.60	-3.58	0.39
12,662.0	88.87	1.23	10,556.5	1,961.3	-852.8	1,967.5	0.72	-0.24	-0.68
12,756.0	89.18	1.30	10,558.1	2,055.3	-850.7	2,061.4	0.34	0.33	0.07
12,851.0	89.11	1.00	10,559.5	2,150.2	-848.8	2,156.4	0.32	-0.07	-0.32
12,945.0	89.05	1.22	10,561.0	2,244.2	-847.0	2,250.3	0.24	-0.06	0.23
13,040.0	90.49	0.88	10,561.4	2,339.2	-845.3	2,345.3	1.56	1.52	-0.36
13,134.0	91.88	0.94	10,559.5	2,433.1	-843.8	2,439.3	1.48	1.48	0.06
13,228.0	92.97	0.51	10,555.5	2,527.0	-842.6	2,533.2	1.25	1.16	-0.46
13,322.0	90.92	1.80	10,552.3	2,621.0	-840.7	2,627.1	2.58	-2.18	1.37
13,417.0	89.61	0.49	10,551.9	2,715.9	-838.8	2,722.0	1.95	-1.38	-1.38
13,511.0	88.09	0.42	10,553.8	2,809.9	-838.0	2,816.0	1.62	-1.62	-0.07
13,605.0	89.24	359.65	10,556.0	2,903.9	-838.0	2,910.0	1.47	1.22	-0.82
13,722.0	89.68	359.38	10,557.1	3,020.9	-839.0	3,026.9	0.44	0.38	-0.23
13,816.0	91.98	359.68	10,555.7	3,114.9	-839.7	3,120.9	2.47	2.45	0.32
13,911.0	93.46	359.14	10,551.2	3,209.7	-840.7	3,215.8	1.66	1.56	-0.57
14,004.0	90.80	359.42	10,547.7	3,302.7	-841.9	3,308.7	2.88	-2.86	0.30
14,099.0	90.67	358.86	10,546.5	3,397.6	-843.3	3,403.7	0.61	-0.14	-0.59



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Poseidon State Com #141H
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 #141H	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)
14,193.0	91.34	0.46	10,544.9	3,491.6	-843.9	3,497.7	1.85	0.71	1.70
14,287.0	91.44	0.14	10,542.6	3,585.6	-843.4	3,591.7	0.36	0.11	-0.34
14,382.0	92.92	0.29	10,539.0	3,680.5	-843.0	3,686.6	1.57	1.56	0.16
14,476.0	91.48	2.60	10,535.4	3,774.4	-840.7	3,780.5	2.89	-1.53	2.46
14,570.0	90.41	3.25	10,533.8	3,868.3	-835.9	3,874.3	1.33	-1.14	0.69
14,664.0	91.63	3.44	10,532.1	3,962.1	-830.4	3,968.1	1.31	1.30	0.20
14,758.0	90.18	4.19	10,530.7	4,055.9	-824.1	4,061.8	1.74	-1.54	0.80
14,853.0	88.86	4.66	10,531.5	4,150.6	-816.8	4,156.5	1.47	-1.39	0.49
14,947.0	90.27	4.54	10,532.2	4,244.3	-809.3	4,250.1	1.51	1.50	-0.13
15,041.0	89.24	5.32	10,532.6	4,337.9	-801.2	4,343.7	1.37	-1.10	0.83
15,135.0	89.86	5.76	10,533.3	4,431.5	-792.1	4,437.2	0.81	0.66	0.47
15,229.0	89.37	4.43	10,533.9	4,525.1	-783.8	4,530.7	1.51	-0.52	-1.41
15,324.0	89.26	3.78	10,535.1	4,619.9	-777.0	4,625.4	0.69	-0.12	-0.68
15,418.0	90.72	3.74	10,535.1	4,713.7	-770.8	4,719.2	1.55	1.55	-0.04
15,512.0	89.71	3.42	10,534.7	4,807.5	-764.9	4,813.0	1.13	-1.07	-0.34
15,606.0	90.22	3.62	10,534.8	4,901.3	-759.2	4,906.7	0.58	0.54	0.21
15,701.0	90.05	2.37	10,534.6	4,996.2	-754.2	5,001.6	1.33	-0.18	-1.32
15,795.0	88.68	1.55	10,535.6	5,090.1	-751.0	5,095.5	1.70	-1.46	-0.87
15,889.0	88.31	1.45	10,538.1	5,184.0	-748.5	5,189.4	0.41	-0.39	-0.11
15,984.0	88.31	359.63	10,540.9	5,279.0	-747.6	5,284.3	1.91	0.00	-1.92
16,078.0	89.10	359.85	10,543.0	5,373.0	-748.0	5,378.3	0.87	0.84	0.23
16,171.0	89.82	358.74	10,543.9	5,465.9	-749.2	5,471.3	1.42	0.77	-1.19
16,265.0	89.71	355.76	10,544.3	5,559.8	-753.7	5,565.2	3.17	-0.12	-3.17
16,360.0	90.54	354.29	10,544.1	5,654.5	-761.9	5,659.9	1.78	0.87	-1.55
16,454.0	91.91	354.65	10,542.1	5,748.0	-771.0	5,753.5	1.51	1.46	0.38
16,548.0	91.23	355.38	10,539.5	5,841.6	-779.2	5,847.2	1.06	-0.72	0.78
16,643.0	88.89	354.88	10,539.4	5,936.3	-787.2	5,941.9	2.52	-2.46	-0.53
16,737.0	89.48	354.60	10,540.7	6,029.9	-795.8	6,035.5	0.69	0.63	-0.30
16,831.0	90.85	354.90	10,540.4	6,123.5	-804.4	6,129.2	1.49	1.46	0.32
16,926.0	89.87	354.70	10,539.8	6,218.1	-813.1	6,223.9	1.05	-1.03	-0.21
17,020.0	90.39	354.32	10,539.6	6,311.6	-822.0	6,317.5	0.69	0.55	-0.40
17,115.0	88.79	353.44	10,540.3	6,406.1	-832.2	6,412.0	1.92	-1.68	-0.93
17,209.0	88.37	352.77	10,542.6	6,499.4	-843.5	6,505.4	0.84	-0.45	-0.71
17,303.0	89.55	354.73	10,544.3	6,592.8	-853.7	6,598.9	2.43	1.26	2.09
17,397.0	90.76	356.57	10,544.1	6,686.5	-860.8	6,692.6	2.34	1.29	1.96
17,491.0	91.05	358.04	10,542.6	6,780.4	-865.2	6,786.6	1.59	0.31	1.56
17,585.0	89.65	358.29	10,542.0	6,874.3	-868.2	6,880.5	1.51	-1.49	0.27
17,679.0	88.41	359.20	10,543.6	6,968.3	-870.3	6,974.5	1.64	-1.32	0.97
17,773.0	89.30	359.31	10,545.5	7,062.3	-871.5	7,068.5	0.95	0.95	0.12
17,867.0	90.64	359.39	10,545.6	7,156.3	-872.6	7,162.5	1.43	1.43	0.09
17,962.0	90.58	0.15	10,544.5	7,251.3	-873.0	7,257.5	0.80	-0.06	0.80
18,056.0	89.17	0.51	10,544.7	7,345.3	-872.4	7,351.5	1.55	-1.50	0.38
18,151.0	88.96	1.06	10,546.3	7,440.2	-871.1	7,446.4	0.62	-0.22	0.58
18,245.0	88.12	0.43	10,548.7	7,534.2	-869.9	7,540.4	1.12	-0.89	-0.67



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Poseidon State Com #141H
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 #141H	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)
18,339.0	86.99	359.96	10,552.7	7,628.1	-869.6	7,634.3	1.30	-1.20	-0.50
18,433.0	87.22	0.25	10,557.5	7,722.0	-869.4	7,728.2	0.39	0.24	0.31
18,528.0	88.59	358.87	10,560.9	7,816.9	-870.1	7,823.1	2.05	1.44	-1.45
18,622.0	90.26	359.00	10,561.9	7,910.9	-871.9	7,917.1	1.78	1.78	0.14
18,716.0	91.34	358.90	10,560.6	8,004.9	-873.6	8,011.1	1.15	1.15	-0.11
18,811.0	90.41	358.11	10,559.1	8,099.8	-876.1	8,106.0	1.28	-0.98	-0.83
18,905.0	89.57	358.39	10,559.1	8,193.8	-879.0	8,200.0	0.94	-0.89	0.30
18,999.0	90.95	358.14	10,558.7	8,287.7	-881.8	8,294.0	1.49	1.47	-0.27
19,093.0	89.68	358.91	10,558.2	8,381.7	-884.2	8,388.0	1.58	-1.35	0.82
19,187.0	93.66	359.70	10,555.4	8,475.6	-885.4	8,481.9	4.32	4.23	0.84
19,281.0	92.68	0.23	10,550.2	8,569.5	-885.4	8,575.7	1.18	-1.04	0.56
19,376.0	91.55	0.57	10,546.7	8,664.4	-884.8	8,670.7	1.24	-1.19	0.36
19,471.0	92.10	0.75	10,543.7	8,759.4	-883.7	8,765.6	0.61	0.58	0.19
19,565.0	91.16	0.27	10,541.0	8,853.3	-882.8	8,859.6	1.12	-1.00	-0.51
19,659.0	90.29	359.88	10,539.8	8,947.3	-882.7	8,953.5	1.01	-0.93	-0.41
19,753.0	93.31	359.97	10,536.9	9,041.3	-882.8	9,047.5	3.21	3.21	0.10
19,847.0	91.40	0.00	10,533.0	9,135.2	-882.9	9,141.4	2.03	-2.03	0.03
19,941.0	89.75	358.93	10,532.1	9,229.2	-883.7	9,235.4	2.09	-1.76	-1.14
20,036.0	91.44	358.97	10,531.1	9,324.1	-885.5	9,330.4	1.78	1.78	0.04
20,130.0	91.25	359.97	10,528.9	9,418.1	-886.3	9,424.3	1.08	-0.20	1.06
20,225.0	87.51	0.25	10,529.9	9,513.1	-886.2	9,519.3	3.95	-3.94	0.29
20,319.0	88.94	1.04	10,532.8	9,607.0	-885.1	9,613.3	1.74	1.52	0.84
20,413.0	87.31	0.35	10,535.9	9,701.0	-884.0	9,707.2	1.88	-1.73	-0.73
20,507.0	85.37	0.50	10,541.9	9,794.8	-883.3	9,801.0	2.07	-2.06	0.16
20,601.0	85.93	0.48	10,549.0	9,888.5	-882.5	9,894.7	0.60	0.60	-0.02
20,671.0	86.30	0.40	10,553.8	9,958.3	-881.9	9,964.5	0.54	0.53	-0.11
20,795.0	86.79	0.28	10,561.3	10,082.1	-881.2	10,088.3	0.41	0.40	-0.10
20,836.0	86.75	0.52	10,563.6	10,123.0	-880.9	10,129.2	0.59	-0.10	0.59
20,900.0	86.75	0.52	10,567.2	10,186.9	-880.3	10,193.1	0.00	0.00	0.00



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Poseidon State Com #141H
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 #141H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
T2 (Poseidon State Co - actual wellpath misses target center by 102.3usft at 10730.0usft MD (10505.1 TVD, 47.4 N, -907.1 E) - Rectangle (sides W100.0 H746.0 D20.0)	0.00	179.58	10,552.0	-6.1	-833.6	446,683.89	772,831.37	32° 13' 32.856 N	103° 35' 4.988 W
T4 (Poseidon State Co - actual wellpath misses target center by 102.3usft at 10730.0usft MD (10505.1 TVD, 47.4 N, -907.1 E) - Rectangle (sides W100.0 H1,625.7 D20.0)	0.00	179.58	10,552.0	-6.1	-833.6	446,683.89	772,831.37	32° 13' 32.856 N	103° 35' 4.988 W
T1 (Poseidon State Co - actual wellpath misses target center by 102.3usft at 10730.0usft MD (10505.1 TVD, 47.4 N, -907.1 E) - Rectangle (sides W100.0 H4,250.0 D20.0)	0.00	179.58	10,552.0	-6.1	-833.6	446,683.89	772,831.37	32° 13' 32.856 N	103° 35' 4.988 W
T3 (Poseidon State Co - actual wellpath misses target center by 102.3usft at 10730.0usft MD (10505.1 TVD, 47.4 N, -907.1 E) - Rectangle (sides W100.0 H3,579.7 D20.0)	0.00	179.58	10,552.0	-6.1	-833.6	446,683.89	772,831.37	32° 13' 32.856 N	103° 35' 4.988 W
LTP (Poseidon State Co - actual wellpath misses target center by 27.3usft at 20836.0usft MD (10563.6 TVD, 10123.0 N, -880.9 E) - Point	0.00	0.00	10,566.0	10,125.0	-908.0	456,815.00	772,757.00	32° 15' 13.110 N	103° 35' 5.032 W
PBHL (Poseidon State Co - actual wellpath misses target center by 29.8usft at 20900.0usft MD (10567.2 TVD, 10186.9 N, -880.3 E) - Point	-0.40	359.58	10,566.0	10,195.0	-909.0	456,885.00	772,756.00	32° 15' 13.803 N	103° 35' 5.038 W
FTP (Poseidon State Co - actual wellpath misses target center by 246.3usft at 10590.0usft MD (10428.7 TVD, -61.5 N, -948.7 E) - Point	0.00	0.00	10,570.0	-226.0	-832.0	446,464.00	772,833.00	32° 13' 30.680 N	103° 35' 4.987 W

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,268.2	1,268.0	Rustler Anhydrite			
1,790.8	1,790.0	Top Salt			
4,985.2	4,932.0	Base Salt			
5,236.9	5,180.0	Delaware Mountain Gp			
5,244.0	5,187.0	Lamar			
5,265.3	5,208.0	Bell Canyon			
5,285.5	5,228.0	Ramsey Sand			
6,240.1	6,162.0	Cherry Canyon			
7,780.3	7,688.0	Brushy Canyon			
9,202.9	9,110.0	Bone Spring Lime			
9,334.0	9,241.0	Upper Avalon			
9,583.0	9,490.0	Middle Avalon			
10,019.2	9,926.0	Lower Avalon			
10,255.4	10,156.0	1st Bone Spring Sand			
10,615.6	10,445.0	2nd Bone Spring Carb			



Intrepid
Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Poseidon State Com #141H
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 #141H	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)	
9,330.0	9,237.0	-297.3	-949.5	LAST SVY
10,310.4	10,206.5	-226.3	-962.5	FTP @ 10310.4'MD, 100'FSL & 200.6'FWL
10,794.1	10,526.3	103.7	-885.1	Cross into 50' Left window @ 10794.1'MD
20,836.0	10,563.6	10,123.0	-880.9	LAST SVY
20,837.8	10,563.7	10,124.8	-880.9	LTP @ 20837.8'MD, 100'FNL & 358.4'FWL
20,900.0	10,567.2	10,186.9	-880.3	Projection to TD @ 20900'MD, 37.8'FNL & 359.5'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 301342 WELL API NUMBER 30-025-48571 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 141H																				
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>1165</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" style="text-align: center;">NOTICE OF INTENTION TO:</td> <td colspan="2" style="text-align: center;">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> ☒	
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> ☒																				
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 5043 psi for 30 minutes, good test. 8/6/2021 to 9/2/2021: Perforate from 10810 ft to 20752 ft, 1 SPF, .55 inch holes with 507 total shots. 39 stage frac with 27,522,490 lbs of 100 mesh sand. 9/11/2021 to 9/14/2021: Drill out plugs 9/15/2021: 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>10810</td> <td>20752</td> <td>N</td> <td>1</td> <td>0.55</td> <td>Sand</td> <td>Frac</td> <td>27522490</td> </tr> </table> Tubing			TOP	BOT	Open Hole	Shots/ft	Shot Size	Material	Stimulation	Amount	10810	20752	N	1	0.55	Sand	Frac	27522490				
TOP	BOT	Open Hole	Shots/ft	Shot Size	Material	Stimulation	Amount															
10810	20752	N	1	0.55	Sand	Frac	27522490															
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 ☐ .																						
<table style="width:100%;"> <tr> <td>SIGNATURE</td> <td><u>Electronically Signed</u></td> <td>TITLE</td> <td><u>Regulatory Manager</u></td> <td>DATE</td> <td><u>9/22/2021</u></td> </tr> <tr> <td>Type or print name</td> <td><u>Christian Combs</u></td> <td>E-mail address</td> <td><u>ccombs@taprk.com</u></td> <td>Telephone No.</td> <td><u>720-360-4028</u></td> </tr> </table>			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>								
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: <table style="width:100%;"> <tr> <td>APPROVED BY:</td> <td><u>Kurt Simmons</u></td> <td>TITLE</td> <td><u>Petroleum Specialist - A</u></td> <td>DATE</td> <td><u>9/22/2021 2:23:39 PM</u></td> </tr> </table>			APPROVED BY:	<u>Kurt Simmons</u>	TITLE	<u>Petroleum Specialist - A</u>	DATE	<u>9/22/2021 2:23:39 PM</u>														
APPROVED BY:	<u>Kurt Simmons</u>	TITLE	<u>Petroleum Specialist - A</u>	DATE	<u>9/22/2021 2:23:39 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: 141H		
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	1165'	W	LEA
BH:	4	4	24-S	33-E	-	30'	N	331'	W	LEA
13. Date Spudded 5/1/2021	14. Date T.D. Reached 5/21/2021		15. Date Rig Released 5/24/2021			16. Date Completed (Ready to Produce) 9/15/2021		17. Elevations (DF and RKB, RT, GR, etc.) 3610 GR		
18. Total Measured Depth of Well 20900'			19. Plug Back Measured Depth 20837'			20. Was Directional Survey Made? YES		21. Type Electric and Other Logs Run GAMMA		
22. Producing Interval(s), of this completion - Top, Bottom, Name 10810' - 20752'							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		1344'		17.5"		915 SKS		0
9.625"		40		5268'		12.25"		1156 SKS		0
5.5"		20		20885'		8.5"		2217 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 10810 ft to 20752 ft, 1 SPF, .55 inch holes with 507 total shots					27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
					DEPTH INTERVAL			AMOUNT AND KIND MATERIAL USED		
					10810' - 20752'			39 stage frac with 27,522,490 lbs of 100 mesh sand		
28. PRODUCTION										
Date First Production 9/19/2021		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 48/64	Prod'n For Test Period	Oil - Bbl 1282	Gas - MCF 2972	Water - Bbl. 3474	Gas - Oil Ratio 2318			
Flow Tubing Press. 0	Casing Pressure 600	Calculated 24-Hour Rate	Oil - Bbl. 1282	Gas - MCF 2972	Water - Bbl. 3474	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			Title			Date		
		Bill Ramsey			Regulatory Analyst			10/13/2021		
E-mail Address bramsey@t+										

INSTRUCTIONS

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.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	

OIL OR GAS
SANDS OR ZONES

No. 1, from.....to.....

No. 2, from.....to.....

No. 3, from.....to.....

No. 4, from.....to.....

IMPORTANT WATER SANDS

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.....

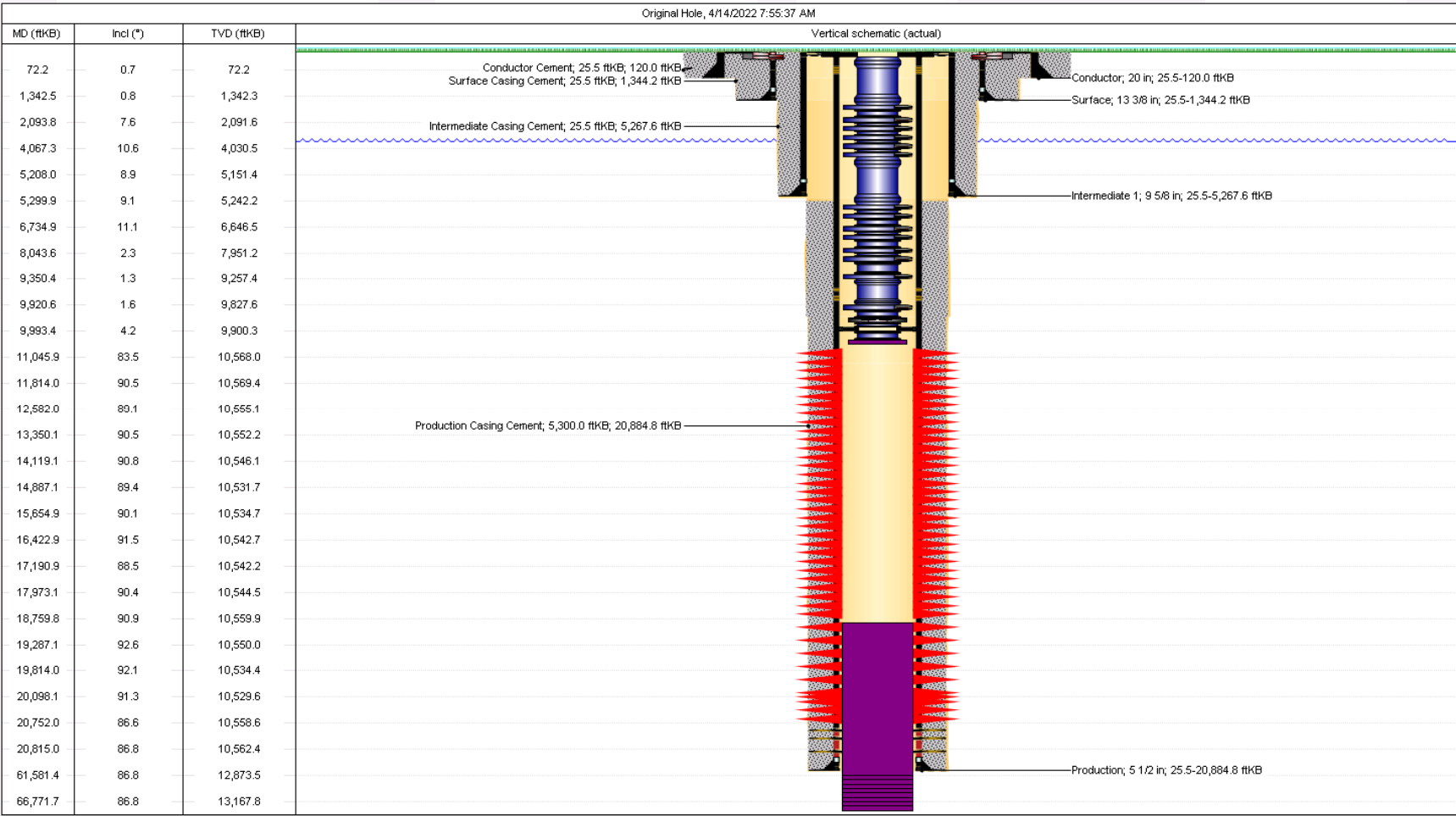
No. 3, from.....to.....feet.....

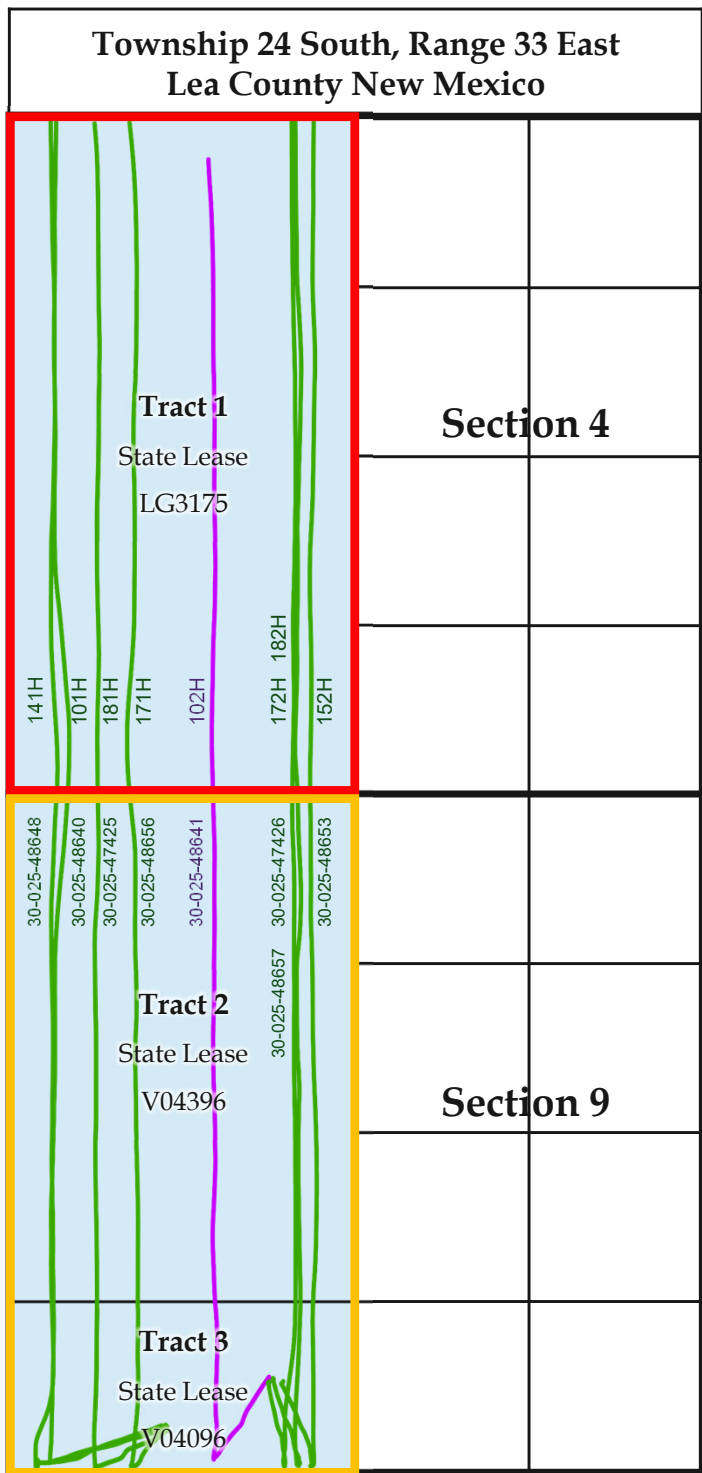
LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology		From	To	Thickness In Feet	Lithology
594	1806		Rustler					
1806	4917		Top of Salt					
4917	5139		Base of Salt					
5139	5206		Delaware					
5206	6200		Bell Canyon					
6200	7730		Cherry Canyon					
7730	9197		Brushy Canyon					
9197	9333		Bronespring Lime					
9333	10250		Avalon					
10250			1st Bone Spring Sand					

Tap Rock Operating, LLC

Poseidon State Com 141H 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
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

ACKNOWLEDGMENTS

Action 305292

ACKNOWLEDGMENTS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 305292
	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
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

CONDITIONS

Action 305292

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 305292
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	1/19/2024