

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

Oil 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 25-48275	⁵ Pool Name WC-025 G-09 S243532M;WOLFBONE		⁶ Pool Code 98098
⁷ Property Code 329930	⁸ Property Name YADA FED COM		⁹ Well Number 217H

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
N	35	24-S	35-E	-	238'	SOUTH	2233'	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
C	26	24-S	35-E	-	30'	NORTH	2258'	WEST	LEA
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 08/15/2021	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
373554	SALT CREEK MIDSTREAM, LLC 20329 STATE HIGHWAY 249 HOUSTON, TX U.S.A 77070	O
371960	LUCID ENERGY GROUP 3100 MCKINNON ST #800 DALLAS, TX 75201	G

IV. Well Completion Data

²¹ Spud Date 4/1/2021	²² Ready Date 7/22/2021	²³ TD 22440'	²⁴ PBTD 22371'	²⁵ Perforations 12073' - 22144'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5"	13.375"	680'	895 SKS		
12.25"	9.625"	5302'	1578 SKS		
8.75"	7.625"	11576'	790 SKS		
6.75"	5.5"	22415'	900 SKS		

V. Well Test Data

³¹ Date New Oil 08/15/2021	³² Gas Delivery Date 08/15/2021	³³ Test Date 08/25/2021	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure 0	³⁶ Csg. Pressure 2213
³⁷ Choke Size 36/64	³⁸ Oil 1673	³⁹ Water 4401	⁴⁰ Gas 1707		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 Approved by: 
Printed name: Bill Ramsey	Title: Petroleum Engineer
Title: Regulatory Analyst	Approval Date: 05/11/22
E-mail Address: bramsey@taprk.com	
Date: 09/28/2021	Phone: 720-238-2787

District I
1625 N. French Dr., Hobbs, NM 88420
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 30-025-48275	² Pool Code 98098	³ Pool Name WC-025 G-09 S243532M:WOLFBONE
⁴ Property Code 329930	⁵ Property Name YADA FED COM	
⁷ OGRID No. 372043	⁸ Operator Name TAP ROCK OPERATING, LLC.	⁶ Well Number 217H ⁹ Elevation 3253'

¹⁰Surface Location

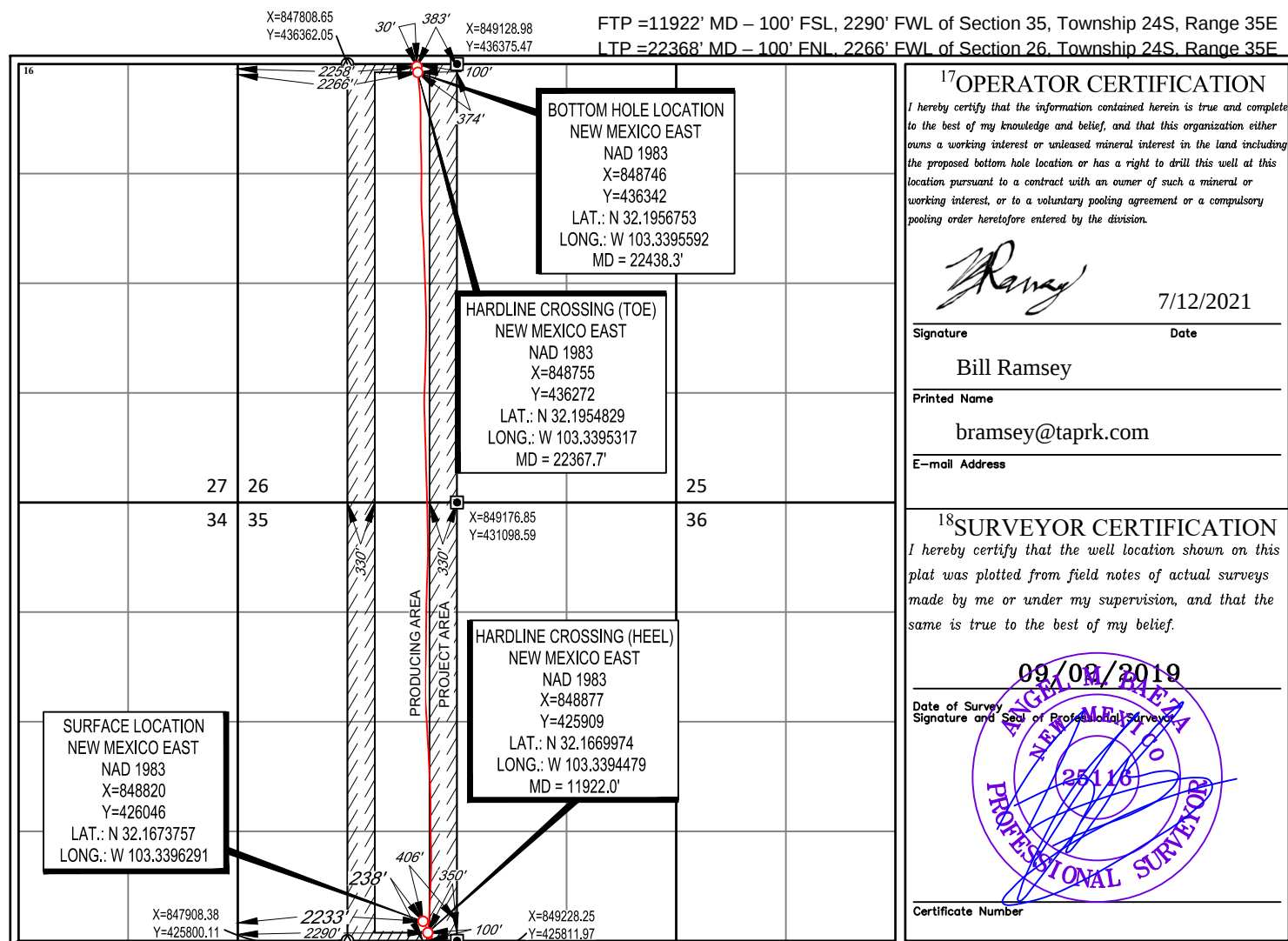
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	35	24-S	35-E	—	238'	SOUTH	2233'	WEST	LEA

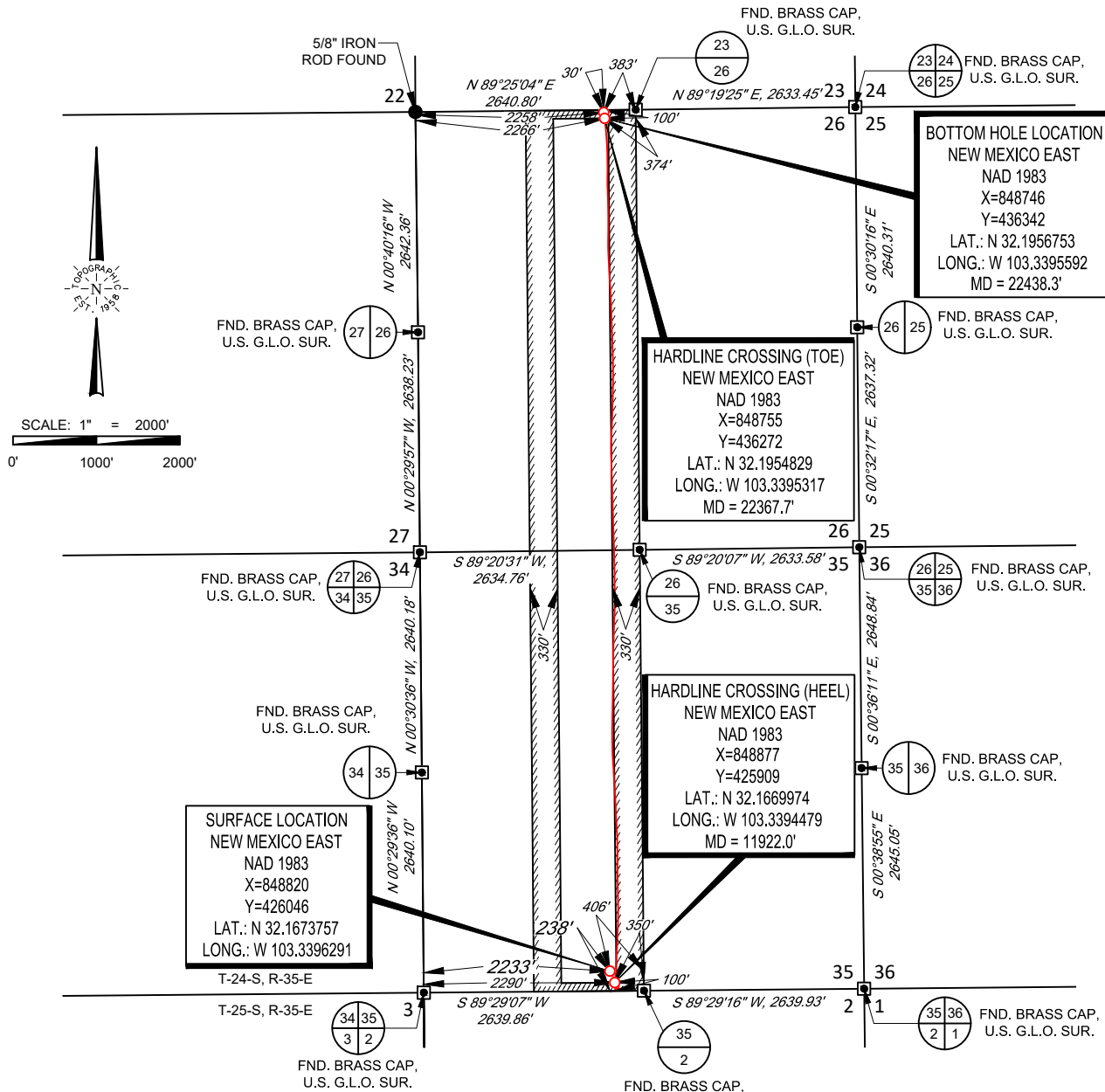
¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	26	24-S	35-E	—	30'	NORTH	2258'	WEST	LEA

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



SECTION 35, TOWNSHIP 24-S, RANGE 35-E, N.M.P.M.
LEA COUNTY, NEW MEXICO



Operator: TapRock Resources LLC
Well Name: Yada Fed Com #217H
County: Lea
State: New Mexico
Rig Name: H&P 264
API: 30-025-48275

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: 200' MD – 22,440' MD
Projection to Bit: 22,440' MD
Dates Performed: 04/01/2021 – 5/16/2021
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)
(Yada Fed Com) Sec-35_T-24-S_R-35-E
Yada Fed Com #217H**

OWB

Design: AWB

Standard Survey Report

17 May, 2021





Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Yada Fed Com #217H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26 @ 3277.0usft (H&P 264)
Site:	(Yada Fed Com) Sec-35_T-24-S_R-35-E	MD Reference:	KB = 26 @ 3277.0usft (H&P 264)
Well:	Yada Fed Com #217H	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		(Yada Fed Com) Sec-35_T-24-S_R-35-E			
Site Position:		Northing:	426,095.00 usft	Latitude:	32° 10' 2.829 N
From:	Map	Easting:	851,098.00 usft	Longitude:	103° 19' 56.158 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.53 °

Well		Yada Fed Com #217H				
Well Position	+N/-S	0.0 usft	Northing:	426,046.00 usft	Latitude:	32° 10' 2.554 N
	+E/-W	0.0 usft	Easting:	848,815.00 usft	Longitude:	103° 20' 22.720 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,251.0 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	04/03/21	6.42	59.74	47,621.34708497

Design	AWB				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	359.45	

Survey Program	Date	05/17/21			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
200.0	22,440.0	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
200.0	0.62	15.92	200.0	1.0	0.3	1.0	0.31	0.31	0.00
235.0	0.53	41.58	235.0	1.3	0.5	1.3	0.77	-0.26	73.31
332.0	0.92	332.77	332.0	2.4	0.4	2.4	0.91	0.40	-70.94
515.0	1.63	312.20	514.9	5.4	-2.2	5.4	0.46	0.39	-11.24
545.1	1.71	309.01	545.0	6.0	-2.9	6.0	0.42	0.28	-10.62
Rustler Anhydrite									
632.0	1.98	301.39	631.9	7.6	-5.2	7.6	0.42	0.31	-8.76
703.0	2.20	306.84	702.8	9.1	-7.3	9.1	0.42	0.31	7.68
798.0	1.76	320.11	797.8	11.3	-9.7	11.4	0.67	-0.46	13.97
891.0	0.44	347.71	890.8	12.7	-10.7	12.8	1.49	-1.42	29.68



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Well:	Yada Fed Com #217H	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)
965.2	0.64	39.78	965.0	13.3	-10.5	13.4	0.69	0.28	70.14
Top Salt									
985.0	0.75	46.86	984.8	13.5	-10.3	13.6	0.69	0.53	35.81
1,080.0	0.66	58.02	1,079.8	14.2	-9.4	14.3	0.17	-0.09	11.75
1,175.0	0.97	106.27	1,174.7	14.3	-8.2	14.3	0.76	0.33	50.79
1,249.0	1.32	129.83	1,248.7	13.5	-6.9	13.6	0.78	0.47	31.84
1,343.0	1.71	136.42	1,342.7	11.8	-5.1	11.9	0.45	0.41	7.01
1,438.0	3.12	138.79	1,437.6	8.9	-2.4	8.9	1.49	1.48	2.49
1,533.0	4.26	142.92	1,532.4	4.1	1.4	4.1	1.23	1.20	4.35
1,626.0	4.35	148.28	1,625.1	-1.7	5.3	-1.7	0.44	0.10	5.76
1,720.0	4.18	145.29	1,718.9	-7.5	9.2	-7.6	0.30	-0.18	-3.18
1,815.0	4.40	149.16	1,813.6	-13.5	13.0	-13.6	0.38	0.23	4.07
1,910.0	4.66	160.06	1,908.3	-20.2	16.2	-20.4	0.94	0.27	11.47
2,005.0	5.58	163.66	2,002.9	-28.3	18.8	-28.5	1.03	0.97	3.79
2,099.0	5.71	157.78	2,096.5	-37.0	21.9	-37.2	0.63	0.14	-6.26
2,192.0	5.36	161.20	2,189.1	-45.4	25.0	-45.6	0.52	-0.38	3.68
2,286.0	4.62	156.72	2,282.7	-53.0	27.9	-53.3	0.89	-0.79	-4.77
2,381.0	5.05	151.36	2,377.4	-60.2	31.4	-60.5	0.66	0.45	-5.64
2,474.0	5.45	152.77	2,470.0	-67.7	35.4	-68.1	0.45	0.43	1.52
2,568.0	4.66	152.94	2,563.6	-75.1	39.2	-75.5	0.84	-0.84	0.18
2,663.0	4.88	153.38	2,658.3	-82.2	42.8	-82.6	0.23	0.23	0.46
2,757.0	5.41	150.83	2,751.9	-89.6	46.7	-90.0	0.61	0.56	-2.71
2,851.0	5.63	145.56	2,845.5	-97.3	51.5	-97.8	0.59	0.23	-5.61
2,946.0	6.33	139.67	2,939.9	-105.1	57.5	-105.7	0.98	0.74	-6.20
3,040.0	6.07	137.30	3,033.4	-112.7	64.2	-113.3	0.39	-0.28	-2.52
3,135.0	5.71	147.58	3,127.9	-120.4	70.2	-121.1	1.17	-0.38	10.82
3,230.0	5.63	141.16	3,222.4	-128.0	75.6	-128.7	0.67	-0.08	-6.76
3,324.0	6.11	131.32	3,315.9	-134.9	82.3	-135.7	1.18	0.51	-10.47
3,418.0	7.16	140.64	3,409.3	-142.7	89.8	-143.6	1.60	1.12	9.91
3,512.0	6.24	148.90	3,502.7	-151.6	96.1	-152.6	1.42	-0.98	8.79
3,607.0	6.77	160.59	3,597.1	-161.3	100.6	-162.3	1.50	0.56	12.31
3,701.0	4.66	160.59	3,690.6	-170.2	103.7	-171.2	2.24	-2.24	0.00
3,795.0	3.87	163.14	3,784.3	-176.8	105.9	-177.8	0.86	-0.84	2.71
3,890.0	3.69	165.42	3,879.1	-182.8	107.6	-183.9	0.25	-0.19	2.40
3,985.0	2.55	209.81	3,974.0	-187.6	107.4	-188.7	2.72	-1.20	46.73
4,080.0	2.20	235.73	4,068.9	-190.5	104.8	-191.5	1.18	-0.37	27.28
4,174.0	1.80	206.64	4,162.9	-192.8	102.6	-193.8	1.15	-0.43	-30.95
4,268.0	1.54	200.05	4,256.8	-195.3	101.5	-196.3	0.34	-0.28	-7.01
4,363.0	1.23	217.80	4,351.8	-197.3	100.5	-198.3	0.55	-0.33	18.68
4,457.0	1.10	220.79	4,445.8	-198.8	99.3	-199.8	0.15	-0.14	3.18
4,552.0	1.36	227.56	4,540.8	-200.3	97.8	-201.2	0.31	0.27	7.13
4,646.0	1.05	232.57	4,634.7	-201.5	96.3	-202.5	0.35	-0.33	5.33
4,741.0	1.45	236.88	4,729.7	-202.7	94.6	-203.6	0.43	0.42	4.54



Intrepid Survey Report



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Design:	AWB	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,835.0	1.05	255.07	4,823.7	-203.6	92.8	-204.5	0.59	-0.43	19.35
4,896.3	1.33	246.37	4,885.0	-204.0	91.6	-204.9	0.54	0.46	-14.18
Base Salt									
4,929.0	1.49	243.12	4,917.7	-204.4	90.9	-205.2	0.54	0.49	-9.96
5,024.0	1.05	261.75	5,012.6	-205.1	88.9	-205.9	0.63	-0.46	19.61
5,117.0	1.14	248.13	5,105.6	-205.5	87.2	-206.4	0.30	0.10	-14.65
5,156.4	1.19	248.32	5,145.0	-205.8	86.5	-206.7	0.14	0.14	0.49
Bell Canyon									
5,196.4	1.25	248.50	5,185.0	-206.1	85.7	-207.0	0.14	0.14	0.45
Delaware Mountain Gp									
5,212.0	1.27	248.57	5,200.6	-206.3	85.4	-207.1	0.14	0.14	0.42
5,216.4	1.25	246.89	5,205.0	-206.3	85.3	-207.1	0.95	-0.44	-38.31
Lamar									
5,251.0	1.14	231.95	5,239.6	-206.7	84.7	-207.5	0.95	-0.32	-43.16
5,261.4	1.14	232.36	5,250.0	-206.8	84.5	-207.6	0.08	0.03	3.91
Ramsey Sand									
5,389.0	1.19	237.14	5,377.6	-208.3	82.4	-209.1	0.08	0.04	3.75
5,483.0	1.49	235.12	5,471.5	-209.5	80.6	-210.3	0.32	0.32	-2.15
5,578.0	1.41	259.11	5,566.5	-210.4	78.4	-211.2	0.64	-0.08	25.25
5,673.0	1.01	293.21	5,661.5	-210.3	76.5	-211.1	0.85	-0.42	35.89
5,768.0	0.70	321.52	5,756.5	-209.6	75.3	-210.3	0.54	-0.33	29.80
5,863.0	1.14	354.83	5,851.5	-208.2	74.9	-208.9	0.71	0.46	35.06
5,957.0	1.85	1.15	5,945.4	-205.7	74.8	-206.4	0.77	0.76	6.72
6,052.0	0.97	14.86	6,040.4	-203.4	75.1	-204.1	0.99	-0.93	14.43
6,146.0	1.23	5.02	6,134.4	-201.6	75.4	-202.3	0.34	0.28	-10.47
6,166.6	1.20	3.68	6,155.0	-201.2	75.4	-201.9	0.20	-0.14	-6.52
Cherry Canyon									
6,241.0	1.10	358.25	6,229.4	-199.7	75.4	-200.4	0.20	-0.14	-7.30
6,335.0	1.27	3.00	6,323.4	-197.8	75.5	-198.5	0.21	0.18	5.05
6,427.0	1.10	355.97	6,415.3	-195.9	75.5	-196.6	0.24	-0.18	-7.64
6,524.0	1.19	41.94	6,512.3	-194.2	76.1	-194.9	0.93	0.09	47.39
6,618.0	1.49	55.12	6,606.3	-192.8	77.7	-193.5	0.46	0.32	14.02
6,711.0	1.45	52.04	6,699.3	-191.3	79.6	-192.1	0.10	-0.04	-3.31
6,805.0	1.58	45.71	6,793.2	-189.7	81.5	-190.5	0.23	0.14	-6.73
6,900.0	1.32	53.01	6,888.2	-188.1	83.3	-188.9	0.34	-0.27	7.68
6,995.0	1.23	47.03	6,983.2	-186.8	84.9	-187.6	0.17	-0.09	-6.29
7,088.0	1.41	56.96	7,076.1	-185.5	86.6	-186.3	0.31	0.19	10.68
7,183.0	1.27	46.68	7,171.1	-184.1	88.4	-185.0	0.29	-0.15	-10.82
7,277.0	1.36	44.04	7,265.1	-182.6	89.9	-183.4	0.12	0.10	-2.81
7,372.0	1.14	59.95	7,360.1	-181.3	91.5	-182.2	0.43	-0.23	16.75
7,466.0	1.27	99.86	7,454.1	-181.0	93.3	-181.9	0.88	0.14	42.46
7,560.0	1.14	107.68	7,548.0	-181.5	95.3	-182.4	0.22	-0.14	8.32
7,607.0	1.34	105.46	7,595.0	-181.8	96.2	-182.7	0.44	0.42	-4.73
Brushy Canyon									
7,654.0	1.54	103.81	7,642.0	-182.1	97.4	-183.0	0.44	0.43	-3.50



Intrepid Survey Report



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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)
7,749.0	0.62	128.07	7,737.0	-182.7	99.0	-183.6	1.06	-0.97	25.54
7,843.0	0.62	187.22	7,831.0	-183.5	99.4	-184.5	0.65	0.00	62.93
7,937.0	0.66	146.17	7,925.0	-184.5	99.6	-185.4	0.48	0.04	-43.67
8,031.0	0.75	152.85	8,019.0	-185.5	100.2	-186.4	0.13	0.10	7.11
8,125.0	0.92	141.52	8,113.0	-186.6	100.9	-187.6	0.25	0.18	-12.05
8,219.0	0.31	321.08	8,207.0	-187.0	101.2	-188.0	1.31	-0.65	191.02
8,313.0	0.62	329.60	8,301.0	-186.4	100.8	-187.3	0.34	0.33	9.06
8,408.0	0.22	344.81	8,396.0	-185.7	100.5	-186.7	0.43	-0.42	16.01
8,502.0	0.22	358.96	8,490.0	-185.4	100.5	-186.3	0.06	0.00	15.05
8,597.0	0.40	76.74	8,585.0	-185.1	100.8	-186.1	0.44	0.19	81.87
8,690.0	0.35	64.52	8,677.9	-184.9	101.4	-185.9	0.10	-0.05	-13.14
8,784.0	0.22	160.32	8,771.9	-185.0	101.7	-185.9	0.46	-0.14	101.91
8,877.0	0.35	141.08	8,864.9	-185.4	101.9	-186.3	0.17	0.14	-20.69
8,902.1	0.36	148.78	8,890.0	-185.5	102.0	-186.5	0.19	0.02	30.73
Bone Spring Lime									
8,932.1	0.37	157.53	8,920.0	-185.7	102.1	-186.6	0.19	0.05	29.16
Upper Avalon									
8,972.0	0.40	167.88	8,959.9	-185.9	102.2	-186.9	0.19	0.08	25.92
9,066.0	0.48	178.87	9,053.9	-186.6	102.2	-187.6	0.12	0.09	11.69
9,152.1	0.36	196.97	9,140.0	-187.2	102.2	-188.2	0.21	-0.14	21.03
Middle Avalon									
9,162.0	0.35	199.79	9,149.9	-187.3	102.1	-188.3	0.21	-0.11	28.38
9,256.0	0.48	213.06	9,243.9	-187.9	101.8	-188.9	0.17	0.14	14.12
9,351.0	0.31	228.53	9,338.9	-188.4	101.4	-189.4	0.21	-0.18	16.28
9,445.0	0.09	351.49	9,432.9	-188.5	101.2	-189.5	0.39	-0.23	130.81
9,540.0	0.26	253.40	9,527.9	-188.5	101.0	-189.5	0.30	0.18	-103.25
9,634.0	0.53	273.00	9,621.9	-188.5	100.4	-189.5	0.32	0.29	20.85
9,682.1	0.42	259.96	9,670.0	-188.5	100.0	-189.5	0.32	-0.22	-27.12
Lower Avalon									
9,729.0	0.35	240.48	9,716.9	-188.6	99.7	-189.6	0.32	-0.15	-41.51
9,824.0	0.62	203.30	9,811.9	-189.3	99.2	-190.2	0.42	0.28	-39.14
9,918.0	2.37	198.20	9,905.9	-191.6	98.4	-192.5	1.87	1.86	-5.43
10,013.0	1.63	188.27	10,000.8	-194.8	97.6	-195.7	0.86	-0.78	-10.45
10,109.0	2.11	169.11	10,096.8	-197.9	97.7	-198.8	0.81	0.50	-19.96
10,112.2	2.11	168.84	10,100.0	-198.0	97.8	-198.9	0.32	0.08	-8.44
1st Bone Spring Sand									
10,203.0	2.20	161.47	10,190.7	-201.3	98.6	-202.2	0.32	0.10	-8.12
10,298.0	1.89	160.24	10,285.7	-204.5	99.8	-205.4	0.33	-0.33	-1.29
10,347.4	2.03	150.48	10,335.0	-206.0	100.5	-207.0	0.73	0.28	-19.76
2nd Bone Spring Carb									
10,393.0	2.20	142.75	10,380.6	-207.4	101.4	-208.4	0.73	0.38	-16.95
10,486.0	1.63	122.79	10,473.5	-209.5	103.6	-210.5	0.93	-0.61	-21.46
10,581.0	1.54	119.37	10,568.5	-210.9	105.8	-211.9	0.14	-0.09	-3.60
10,667.5	0.25	23.62	10,655.0	-211.3	106.9	-212.3	1.83	-1.50	-110.69



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Yada Fed Com #217H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26 @ 3277.0usft (H&P 264)
Site:	(Yada Fed Com) Sec-35_T-24-S_R-35-E	MD Reference:	KB = 26 @ 3277.0usft (H&P 264)
Well:	Yada Fed Com #217H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2nd Bone Spring Sand									
10,675.0	0.31	358.25	10,662.5	-211.3	106.9	-212.3	1.83	0.86	-338.33
10,769.0	0.84	258.67	10,756.5	-211.1	106.2	-212.2	1.00	0.56	-105.94
10,864.0	2.02	219.74	10,851.5	-212.6	104.5	-213.6	1.54	1.24	-40.98
10,958.0	3.12	257.18	10,945.4	-214.4	100.9	-215.4	2.08	1.17	39.83
11,050.0	3.60	262.36	11,037.2	-215.4	95.6	-216.3	0.62	0.52	5.63
11,077.8	3.55	254.58	11,065.0	-215.7	93.9	-216.6	1.75	-0.19	-27.95
3rd Bone Spring Carb									
11,145.0	3.69	236.00	11,132.0	-217.5	90.1	-218.3	1.75	0.21	-27.66
11,208.0	4.18	236.88	11,194.9	-219.8	86.5	-220.7	0.78	0.78	1.40
11,239.0	4.00	247.34	11,225.8	-220.9	84.6	-221.7	2.47	-0.58	33.74
11,279.0	3.69	267.90	11,265.7	-221.5	82.0	-222.2	3.51	-0.78	51.40
11,309.0	4.18	283.72	11,295.6	-221.2	80.0	-222.0	3.95	1.63	52.73
11,333.0	4.48	296.73	11,319.6	-220.6	78.3	-221.4	4.27	1.25	54.21
11,365.0	4.35	307.63	11,351.5	-219.3	76.2	-220.0	2.65	-0.41	34.06
11,428.0	3.74	305.78	11,414.3	-216.6	72.7	-217.3	0.99	-0.97	-2.94
11,523.0	3.03	293.92	11,509.2	-213.8	67.9	-214.5	1.05	-0.75	-12.48
11,616.0	2.15	275.11	11,602.1	-212.7	63.9	-213.3	1.30	-0.95	-20.23
11,642.0	1.80	269.13	11,628.1	-212.6	63.0	-213.2	1.56	-1.35	-23.00
11,737.0	8.00	334.35	11,722.7	-206.7	58.6	-207.2	7.82	6.53	68.65
11,831.0	22.73	358.34	11,813.2	-182.5	55.2	-183.0	16.75	15.67	25.52
11,860.6	27.28	1.37	11,840.0	-170.0	55.2	-170.5	15.96	15.37	10.23
3rd Bone Spring Sand									
11,925.0	37.32	5.55	11,894.4	-135.7	57.5	-136.2	15.96	15.59	6.49
11,991.7	43.83	7.11	11,945.0	-92.6	62.3	-93.2	9.87	9.75	2.34
3rd BS W Sand									
12,020.0	46.59	7.66	11,964.9	-72.7	64.9	-73.3	9.87	9.77	1.95
12,109.4	57.28	3.41	12,020.0	-2.7	71.5	-3.4	12.52	11.95	-4.76
Wolfcamp A X Sand									
12,113.0	57.71	3.26	12,021.9	0.3	71.6	-0.4	12.52	12.03	-4.11
12,208.0	66.68	2.65	12,066.2	84.1	76.0	83.4	9.46	9.44	-0.64
12,263.6	73.72	2.70	12,085.0	136.3	78.4	135.5	12.67	12.67	0.10
Wolfcamp A Y Sand									
12,302.0	78.59	2.74	12,094.2	173.6	80.2	172.8	12.67	12.67	0.09
12,395.0	90.59	2.47	12,102.9	265.9	84.4	265.1	12.91	12.90	-0.29
12,492.0	90.55	2.30	12,102.0	362.8	88.4	361.9	0.18	-0.04	-0.18
12,587.0	90.55	1.94	12,101.1	457.7	91.9	456.8	0.38	0.00	-0.38
12,682.0	89.58	2.56	12,101.0	552.7	95.6	551.7	1.21	-1.02	0.65
12,776.0	88.40	0.80	12,102.6	646.6	98.4	645.6	2.25	-1.26	-1.87
12,871.0	87.47	359.84	12,106.0	741.5	98.9	740.5	1.41	-0.98	-1.01
12,965.0	87.65	358.78	12,110.0	835.4	97.8	834.5	1.14	0.19	-1.13
13,060.0	87.87	358.87	12,113.8	930.3	95.9	929.4	0.25	0.23	0.09
13,154.0	88.84	358.78	12,116.5	1,024.3	93.9	1,023.3	1.04	1.03	-0.10
13,249.0	87.25	358.52	12,119.7	1,119.2	91.7	1,118.3	1.70	-1.67	-0.27



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Yada Fed Com #217H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26 @ 3277.0usft (H&P 264)
Site:	(Yada Fed Com) Sec-35_T-24-S_R-35-E	MD Reference:	KB = 26 @ 3277.0usft (H&P 264)
Well:	Yada Fed Com #217H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,343.0	89.32	0.19	12,122.5	1,213.1	90.6	1,212.2	2.83	2.20	1.78
13,438.0	88.13	0.45	12,124.6	1,308.1	91.2	1,307.2	1.28	-1.25	0.27
13,533.0	86.95	359.48	12,128.7	1,403.0	91.1	1,402.1	1.61	-1.24	-1.02
13,628.0	86.37	359.04	12,134.2	1,497.9	89.9	1,496.9	0.77	-0.61	-0.46
13,723.0	86.64	357.99	12,140.0	1,592.6	87.4	1,591.7	1.14	0.28	-1.11
13,818.0	88.18	356.94	12,144.3	1,687.4	83.2	1,686.6	1.96	1.62	-1.11
13,912.0	89.71	357.20	12,146.0	1,781.3	78.4	1,780.5	1.65	1.63	0.28
14,007.0	89.80	356.85	12,146.5	1,876.2	73.5	1,875.4	0.38	0.09	-0.37
14,102.0	92.00	357.55	12,145.0	1,971.0	68.8	1,970.3	2.43	2.32	0.74
14,196.0	92.31	356.76	12,141.4	2,064.9	64.2	2,064.2	0.90	0.33	-0.84
14,291.0	93.58	356.76	12,136.5	2,159.6	58.8	2,158.9	1.34	1.34	0.00
14,382.0	93.98	356.85	12,130.5	2,250.2	53.8	2,249.6	0.45	0.44	0.10
14,477.0	94.59	356.67	12,123.5	2,344.8	48.4	2,344.3	0.67	0.64	-0.19
14,570.0	94.42	356.06	12,116.1	2,437.4	42.5	2,436.8	0.68	-0.18	-0.66
14,665.0	94.42	356.32	12,108.8	2,531.9	36.2	2,531.4	0.27	0.00	0.27
14,760.0	91.69	357.73	12,103.8	2,626.6	31.3	2,626.2	3.23	-2.87	1.48
14,854.0	90.20	359.04	12,102.2	2,720.5	28.7	2,720.1	2.11	-1.59	1.39
14,948.0	90.59	359.84	12,101.6	2,814.5	27.7	2,814.1	0.95	0.41	0.85
15,041.0	89.05	0.10	12,101.9	2,907.5	27.7	2,907.1	1.68	-1.66	0.28
15,135.0	90.77	1.15	12,102.0	3,001.5	28.7	3,001.1	2.14	1.83	1.12
15,229.0	92.26	1.07	12,099.5	3,095.5	30.5	3,095.0	1.59	1.59	-0.09
15,324.0	92.88	1.51	12,095.3	3,190.3	32.7	3,189.9	0.80	0.65	0.46
15,420.0	93.36	0.98	12,090.0	3,286.2	34.8	3,285.7	0.74	0.50	-0.55
15,515.0	94.07	0.63	12,083.9	3,381.0	36.1	3,380.5	0.83	0.75	-0.37
15,609.0	94.55	0.45	12,076.8	3,474.7	37.0	3,474.2	0.55	0.51	-0.19
15,704.0	95.21	0.63	12,068.7	3,569.3	37.9	3,568.8	0.72	0.69	0.19
15,789.0	94.24	0.89	12,061.7	3,654.0	39.0	3,653.5	1.18	-1.14	0.31
15,893.0	94.42	0.63	12,053.9	3,757.7	40.4	3,757.2	0.30	0.17	-0.25
15,987.0	94.46	1.15	12,046.6	3,851.4	41.8	3,850.9	0.55	0.04	0.55
16,081.0	94.81	1.51	12,039.0	3,945.1	44.0	3,944.5	0.53	0.37	0.38
16,176.0	94.68	1.94	12,031.1	4,039.7	46.9	4,039.1	0.47	-0.14	0.45
16,270.0	93.54	2.03	12,024.4	4,133.4	50.1	4,132.8	1.22	-1.21	0.10
16,364.0	90.68	2.03	12,020.9	4,227.3	53.4	4,226.6	3.04	-3.04	0.00
16,457.0	90.46	2.47	12,020.0	4,320.2	57.1	4,319.5	0.53	-0.24	0.47
16,551.0	90.81	0.10	12,019.0	4,414.2	59.2	4,413.4	2.55	0.37	-2.52
16,645.0	90.95	359.48	12,017.5	4,508.2	58.8	4,507.4	0.68	0.15	-0.66
16,740.0	91.12	359.31	12,015.8	4,603.2	57.8	4,602.4	0.25	0.18	-0.18
16,834.0	91.34	359.31	12,013.8	4,697.1	56.7	4,696.4	0.23	0.23	0.00
16,929.0	91.60	359.04	12,011.4	4,792.1	55.3	4,791.3	0.39	0.27	-0.28
17,024.0	91.03	358.78	12,009.2	4,887.1	53.5	4,886.3	0.66	-0.60	-0.27
17,119.0	91.03	358.43	12,007.5	4,982.0	51.2	4,981.3	0.37	0.00	-0.37
17,213.0	90.68	358.61	12,006.1	5,076.0	48.8	5,075.3	0.42	-0.37	0.19
17,308.0	90.29	357.81	12,005.3	5,170.9	45.8	5,170.2	0.94	-0.41	-0.84
17,403.0	90.42	358.17	12,004.7	5,265.9	42.5	5,265.2	0.40	0.14	0.38



Intrepid Survey Report



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Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26 @ 3277.0usft (H&P 264)
Site:	(Yada Fed Com) Sec-35_T-24-S_R-35-E	MD Reference:	KB = 26 @ 3277.0usft (H&P 264)
Well:	Yada Fed Com #217H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,498.0	91.25	358.43	12,003.3	5,360.8	39.7	5,360.2	0.92	0.87	0.27
17,592.0	91.91	358.43	12,000.7	5,454.7	37.1	5,454.1	0.70	0.70	0.00
17,687.0	91.96	358.52	11,997.5	5,549.6	34.6	5,549.1	0.11	0.05	0.09
17,780.0	92.26	358.69	11,994.1	5,642.6	32.3	5,642.0	0.37	0.32	0.18
17,874.0	92.04	358.08	11,990.5	5,736.4	29.7	5,735.9	0.69	-0.23	-0.65
17,967.0	92.66	358.17	11,986.7	5,829.3	26.6	5,828.8	0.67	0.67	0.10
18,061.0	93.67	357.99	11,981.5	5,923.1	23.5	5,922.6	1.09	1.07	-0.19
18,155.0	93.01	358.43	11,976.1	6,016.9	20.5	6,016.4	0.84	-0.70	0.47
18,250.0	90.51	358.08	11,973.2	6,111.8	17.7	6,111.4	2.66	-2.63	-0.37
18,346.0	91.12	358.34	11,971.8	6,207.8	14.7	6,207.3	0.69	0.64	0.27
18,439.0	88.48	1.59	11,972.1	6,300.7	14.6	6,300.3	4.50	-2.84	3.49
18,534.0	88.88	2.38	11,974.3	6,395.7	17.9	6,395.2	0.93	0.42	0.83
18,629.0	87.78	2.30	11,977.1	6,490.5	21.8	6,490.0	1.16	-1.16	-0.08
18,647.0	87.47	2.12	11,977.8	6,508.5	22.5	6,508.0	1.99	-1.72	-1.00
18,742.0	89.01	1.86	11,980.7	6,603.4	25.8	6,602.9	1.64	1.62	-0.27
18,836.0	88.40	1.77	11,982.9	6,697.3	28.7	6,696.7	0.66	-0.65	-0.10
18,930.0	88.75	1.51	11,985.2	6,791.3	31.4	6,790.7	0.46	0.37	-0.28
19,025.0	89.63	1.42	11,986.5	6,886.2	33.9	6,885.6	0.93	0.93	-0.09
19,120.0	88.92	1.15	11,987.7	6,981.2	36.0	6,980.5	0.80	-0.75	-0.28
19,214.0	88.70	0.80	11,989.7	7,075.2	37.6	7,074.5	0.44	-0.23	-0.37
19,309.0	89.01	0.01	11,991.6	7,170.1	38.3	7,169.4	0.89	0.33	-0.83
19,403.0	89.10	358.96	11,993.1	7,264.1	37.4	7,263.4	1.12	0.10	-1.12
19,497.0	89.23	358.78	11,994.5	7,358.1	35.6	7,357.4	0.24	0.14	-0.19
19,591.0	89.58	358.34	11,995.5	7,452.1	33.2	7,451.4	0.60	0.37	-0.47
19,686.0	89.80	357.81	11,996.0	7,547.0	30.0	7,546.4	0.60	0.23	-0.56
19,780.0	89.19	358.08	11,996.8	7,640.9	26.6	7,640.3	0.71	-0.65	0.29
19,873.0	89.76	357.73	11,997.7	7,733.9	23.2	7,733.3	0.72	0.61	-0.38
19,968.0	89.58	358.25	11,998.2	7,828.8	19.9	7,828.3	0.58	-0.19	0.55
20,062.0	88.18	357.90	12,000.1	7,922.7	16.7	7,922.2	1.54	-1.49	-0.37
20,157.0	87.87	357.81	12,003.3	8,017.6	13.2	8,017.1	0.34	-0.33	-0.09
20,251.0	87.34	357.29	12,007.3	8,111.4	9.2	8,111.0	0.79	-0.56	-0.55
20,345.0	87.69	356.85	12,011.3	8,205.2	4.4	8,204.8	0.60	0.37	-0.47
20,440.0	88.62	355.88	12,014.4	8,300.0	-1.6	8,299.6	1.41	0.98	-1.02
20,533.0	89.19	356.58	12,016.2	8,392.8	-7.8	8,392.5	0.97	0.61	0.75
20,628.0	90.81	357.20	12,016.2	8,487.6	-12.9	8,487.4	1.83	1.71	0.65
20,722.0	92.57	357.73	12,013.4	8,581.5	-17.1	8,581.3	1.96	1.87	0.56
20,817.0	92.04	358.34	12,009.6	8,676.4	-20.3	8,676.1	0.85	-0.56	0.64
20,911.0	92.26	0.71	12,006.1	8,770.3	-21.1	8,770.1	2.53	0.23	2.52
21,005.0	86.59	0.71	12,007.0	8,864.2	-19.9	8,864.0	6.03	-6.03	0.00
21,099.0	85.71	0.19	12,013.3	8,958.0	-19.2	8,957.8	1.09	-0.94	-0.55
21,194.0	88.79	359.75	12,017.9	9,052.9	-19.3	9,052.7	3.27	3.24	-0.46
21,289.0	87.78	358.87	12,020.7	9,147.8	-20.4	9,147.6	1.41	-1.06	-0.93
21,382.0	86.11	358.08	12,025.7	9,240.7	-22.9	9,240.5	1.99	-1.80	-0.85



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Yada Fed Com #217H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26 @ 3277.0usft (H&P 264)
Site:	(Yada Fed Com) Sec-35_T-24-S_R-35-E	MD Reference:	KB = 26 @ 3277.0usft (H&P 264)
Well:	Yada Fed Com #217H	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)
21,476.0	87.56	357.81	12,030.9	9,334.5	-26.2	9,334.3	1.57	1.54	-0.29
21,570.0	88.66	359.40	12,034.0	9,428.4	-28.5	9,428.2	2.06	1.17	1.69
21,665.0	89.27	0.36	12,035.7	9,523.4	-28.7	9,523.2	1.20	0.64	1.01
21,760.0	90.64	0.01	12,035.8	9,618.4	-28.4	9,618.2	1.49	1.44	-0.37
21,854.0	87.34	359.48	12,037.4	9,712.3	-28.8	9,712.2	3.56	-3.51	-0.56
21,948.0	86.73	358.25	12,042.3	9,806.2	-30.7	9,806.0	1.46	-0.65	-1.31
22,043.0	87.16	356.94	12,047.3	9,901.0	-34.7	9,900.8	1.45	0.45	-1.38
22,138.0	89.58	355.79	12,050.0	9,995.7	-40.7	9,995.7	2.82	2.55	-1.21
22,232.0	89.76	354.83	12,050.6	10,089.4	-48.4	10,089.4	1.04	0.19	-1.02
22,326.0	87.12	352.54	12,053.1	10,182.8	-58.7	10,182.9	3.72	-2.81	-2.44
22,440.0	87.12	352.54	12,058.9	10,295.7	-73.5	10,295.9	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
T4 (Yada Fed Com #2 - hit/miss target - Shape)	-1.00	179.45	11,877.0	0.8	79.7	426,046.76	848,894.68	32° 10' 2.554 N	103° 20' 21.793 W
- actual wellpath misses target center by 115.3usft at 12011.1usft MD (11958.8 TVD, -79.1 N, 64.0 E)									
- Rectangle (sides W100.0 H4,209.7 D20.0)									
LTP (Yada Fed Com # - actual wellpath misses target center by 68.3usft at 22326.0usft MD (12053.1 TVD, 10182.8 N, -58.7 E)	0.00	0.01	12,087.0	10,226.0	-18.0	436,272.00	848,797.00	32° 11' 43.738 N	103° 20' 21.831 W
- Point									
PBHL (Yada Fed Corr - actual wellpath misses target center by 66.7usft at 22440.0usft MD (12058.9 TVD, 10295.7 N, -73.5 E)	-0.30	359.45	12,087.8	10,321.0	-19.0	436,367.00	848,796.00	32° 11' 44.678 N	103° 20' 21.832 W
- Point									
T1 (Yada Fed Com #2 - actual wellpath misses target center by 78.7usft at 12156.3usft MD (12043.7 TVD, 37.6 N, 73.7 E)	0.00	179.45	12,113.0	0.8	79.7	426,046.76	848,894.68	32° 10' 2.554 N	103° 20' 21.793 W
- Rectangle (sides W100.0 H2,012.0 D20.0)									
FTP (Yada Fed Com # - actual wellpath misses target center by 154.5usft at 12062.2usft MD (11992.5 TVD, -41.0 N, 68.5 E)	0.00	0.00	12,113.0	-137.0	81.0	425,909.00	848,896.00	32° 10' 1.191 N	103° 20' 21.793 W
- Point									
T3 (Yada Fed Com #2 - actual wellpath misses target center by 159.3usft at 12198.4usft MD (12062.3 TVD, 75.3 N, 75.5 E)	2.20	179.45	12,203.0	0.8	79.7	426,046.76	848,894.68	32° 10' 2.554 N	103° 20' 21.793 W
- Rectangle (sides W100.0 H2,261.0 D20.0)									
T2 (Yada Fed Com #2 - actual wellpath misses target center by 159.3usft at 12198.4usft MD (12062.3 TVD, 75.3 N, 75.5 E)	2.20	179.45	12,203.0	0.8	79.7	426,046.76	848,894.68	32° 10' 2.554 N	103° 20' 21.793 W
- Rectangle (sides W100.0 H1,975.0 D20.0)									



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Yada Fed Com #217H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26 @ 3277.0usft (H&P 264)
Site:	(Yada Fed Com) Sec-35_T-24-S_R-35-E	MD Reference:	KB = 26 @ 3277.0usft (H&P 264)
Well:	Yada Fed Com #217H	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 (°)
545.1	545.0	Rustler Anhydrite			
965.2	965.0	Top Salt			
4,896.3	4,885.0	Base Salt			
5,156.4	5,145.0	Bell Canyon			
5,196.4	5,185.0	Delaware Mountain Gp			
5,216.4	5,205.0	Lamar			
5,261.4	5,250.0	Ramsey Sand			
6,166.6	6,155.0	Cherry Canyon			
7,607.0	7,595.0	Brushy Canyon			
8,902.1	8,890.0	Bone Spring Lime			
8,932.1	8,920.0	Upper Avalon			
9,152.1	9,140.0	Middle Avalon			
9,682.1	9,670.0	Lower Avalon			
10,112.2	10,100.0	1st Bone Spring Sand			
10,347.4	10,335.0	2nd Bone Spring Carb			
10,667.5	10,655.0	2nd Bone Spring Sand			
11,077.8	11,065.0	3rd Bone Spring Carb			
11,860.6	11,840.0	3rd Bone Spring Sand			
11,991.7	11,945.0	3rd BS W Sand			
12,109.4	12,020.0	Wolfcamp A X Sand			
12,263.6	12,085.0	Wolfcamp A Y Sand			

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
11,922.5	11,892.4	-137.2	57.3	FTP @ 11922.5'MD, 100'FSL & 2284.9'FWL
22,326.0	12,053.1	10,182.8	-58.7	LAST SVY
22,369.2	12,055.3	10,225.6	-64.3	LTP @ 22369.2'MD, 100'FNL & 2261.3'FWL
22,440.0	12,058.9	10,295.7	-73.5	Projection to TD @ 22440'MD, 29.8'FNL & 2252.9'FWL

Checked By: _____ Approved By: _____ Date: _____

Well Name: YADA FED COM	Well Location: T24S / R35E / SEC 35 / SESW / 32.167376 / -103.3396456	County or Parish/State: LEA / NM
Well Number: 217H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM138896	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002548275	Well Status: Approved Application for Permit to Drill	Operator: TAP ROCK OPERATING LLC

Subsequent Report

Type of Submission: Subsequent Report	Type of Action: Drilling Operations
Date Sundry Submitted: 08/02/2021	Time Sundry Submitted: 01:38
Date Operation Actually Began: 06/23/2021	

Actual Procedure: 5/16/2021: TD Reached at 22440 ft MD, 12059 ft TVD. Plug Back Measured depth at 22371 ft MD, 12055 ft TVD. Rig Release on 5/19/2021 at 8:00. 6/23/2021: Pressure test casing to 5000 psi for 30 minutes, good test. 6/27/2021 to 7/16/2021: Perforate from 12073 ft to 22144 ft, 1 SPF, .6 inch holes with 624 total shots. 48 stage frac with 23,926,120 lbs of 100 mesh sand. 7/19/2021 to 7/21/2021: Drill out plugs 7/22/2021: Ready to produce Formation Tops (True Vertical Depth): Formation MD Rustler 873 Top of Salt 1,363 Base of Salt 4,978 Deleware 5,215 Lamar 5,230 Bell 5,237 Ramsey 5,347 Cherry 6,081 Brushy 7,608 Bone Spring 8,852 Upper Avalon 8,914 Middle Avalon 9,121 Lower Avalon 9,668 1st Bone Spring Sand 10,043 2nd Bone Spring Sand 10,589 3rd Bone Spring Sand 11,680 3rd Bone Spring W 11,951 Wolfcamp A X 11,991 Wolfcamp A Y 12,023 Wolfcamp A Lower 12,060 Request for OCD extension of time to file BLM approved Form 3160-4.

Well Name: YADA FED COM	Well Location: T24S / R35E / SEC 35 / SESW / 32.167376 / -103.3396456	County or Parish/State: LEA / NM
Well Number: 217H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM138896	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002548275	Well Status: Approved Application for Permit to Drill	Operator: TAP ROCK OPERATING LLC

Operator Certification

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: BILL RAMSEY	Signed on: AUG 02, 2021 01:37 PM
Name: TAP ROCK OPERATING LLC	
Title: Regulatory Analyst	
Street Address: 523 PARK POINT DRIVE SUITE 200	
City: GOLDEN	State: CO
Phone: (720) 360-4028	
Email address: BRAMSEY@TAPRK.COM	

Field Representative

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: Jonathon W Shepard	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752345972	BLM POC Email Address: jshepard@blm.gov
Disposition: Accepted	Disposition Date: 08/05/2021
Signature: Jonathon Shepard	

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								1. WELL API NO. 30-025-48275										
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 Yada Fed Com										
								6. Well Number: 217H										
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 WC-025 G-09 S243532M;WOLFBONE											
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County								
Surface:	N	35	24S	35E	-	238	SOUTH	2233	WEST	LEA								
BH:	C	26	24S	35E	-	30	NORTH	2258	WEST	LEA								
13. Date Spudded 4/1/2021	14. Date T.D. Reached 5/16/2021		15. Date Rig Released 5/19/2021		16. Date Completed (Ready to Produce) 7/22/2021			17. Elevations (DF and RKB, RT, GR, etc.) 3253 GR										
18. Total Measured Depth of Well 22440			19. Plug Back Measured Depth 22371		20. Was Directional Survey Made? YES			21. Type Electric and Other Logs Run GAMMA										
22. Producing Interval(s), of this completion - Top, Bottom, Name 12073' - 22144'							WOLFBONE											
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		680'		17.5"		895 SKS										
9.625"		40		5302'		12.25"		1578 SKS										
7.625"		29.7		11576'		8.75"		790 SKS										
5.5"		23		22415'		6.75"		900 SKS										
24. LINER RECORD																		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		25. TUBING RECORD		SIZE		DEPTH SET								
26. Perforation record (interval, size, and number) 12073 ft to 22144 ft, 1 SPF, .6 inch holes with 624 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>12073' - 22144'</td> <td>48 stage frac with 23,926,120 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	12073' - 22144'	48 stage frac with 23,926,120 lbs of 100 mesh sand				
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED																	
12073' - 22144'	48 stage frac with 23,926,120 lbs of 100 mesh sand																	
28. PRODUCTION																		
Date First Production 08/15/2021		Production Method (Flowing, gas lift, pumping - Size and type pump) FLOWING				Well Status (Prod. or Shut-in) PRODUCING												
Date of Test 08/25/2021	Hours Tested 24 HRS	Choke Size 36/64	Prod'n For Test Period	Oil - Bbl 1673	Gas - MCF 1707	Water - Bbl. 4401	Gas - Oil Ratio 1020											
Flow Tubing Press. 0	Casing Pressure 2213	Calculated 24-Hour Rate	Oil - Bbl. 1673	Gas - MCF 1707	Water - Bbl. 4401	Oil Gravity - API - (Corr.)												
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD							30. Test Witnessed By											
31. List Attachments DIRECTIONAL SURVEY, AS DRILLED C-102																		
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 <i>Bramsey</i>			Name Bill Ramsey			Title Regulatory Analyst			Date 9/28/2021									
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
0	885		QUATERNARY					
885	1375		RUSTLER ANHYDRITE					
1375	4990		TOP OF SALT					
4990	5227		BASE OF SALT					
5227	5249		DELAWARE					
5249	6093		BELL CANYON					
6093	7620		CHERRY CANYON					
7620	8864		BRUSHY CANYON					
8864	9133		BONE SPRING					
9133	10055		AVALON					
10055	10602		BONE SPRING 1ST					
10602	11694		BONE SPRING 2ND					
11694	12002		BONE SPRING 3RD					
12002	12063		WOLFBONE					
12063			WOLFCAMP					

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 105343

ACKNOWLEDGMENTS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 105343
	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
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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 105343

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 105343
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
llowe	None	5/11/2022