

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

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

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 25-48272	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 213H

II. ¹⁰ Surface Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
O	35	24-S	35-E	-	251'	SOUTH	1548'	EAST	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
B	26	24-S	35-E	-	48'	NORTH	2339'	EAST	LEA
¹² Lse Code F	¹³ Producing Method Code F		¹⁴ Gas Connection Date 08/03/2021		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 4/2/2021	²² Ready Date 7/22/2021	²³ TD 22536'	²⁴ PBTD 22454'	²⁵ Perforations 12057' - 22375'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
17.5"		13.375"	694'		660 SKS
12.25"		9.625"	4952'		1343 SKS
8.75"		7.625"	11475'		716 SKS
6.75"		5.5"	22498'		894 SKS

V. Well Test Data

³¹ Date New Oil 08/03/2021	³² Gas Delivery Date 08/03/2021	³³ Test Date 08/25/2021	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure 0	³⁶ Csg. Pressure 1229
³⁷ Choke Size 40/64	³⁸ Oil 1844	³⁹ Water 5005	⁴⁰ Gas 1856		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: Bill Ramsey		Approved by: 	
Title: Regulatory Analyst		Title: Petroleum Engineer	
E-mail Address: bramsey@taprk.com		Approval Date: 05/11/22	
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 30-025-48272	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 213H ⁹ Elevation 3270'

¹⁰Surface Location

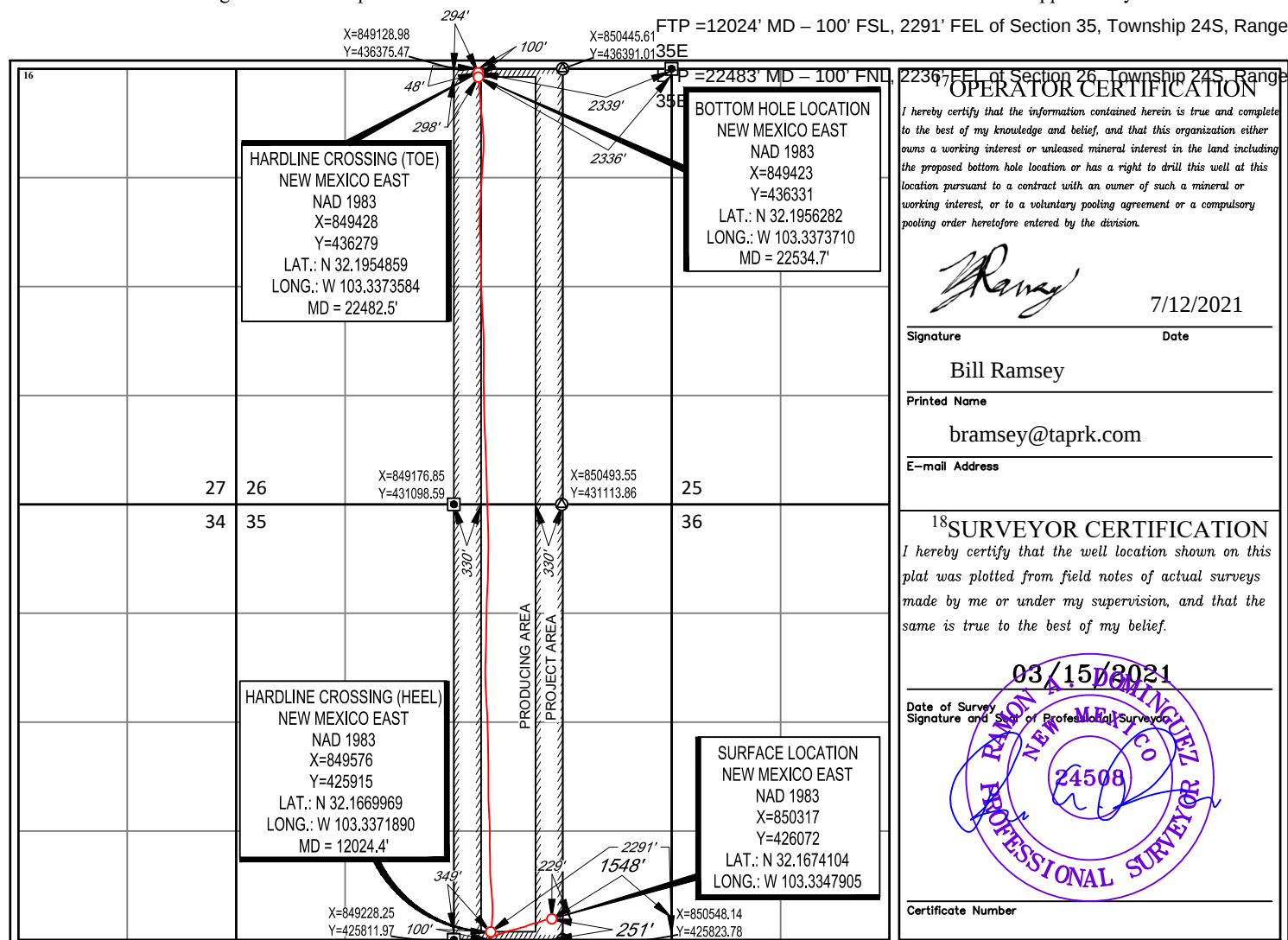
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	35	24-S	35-E	—	251'	SOUTH	1548'	EAST	LEA

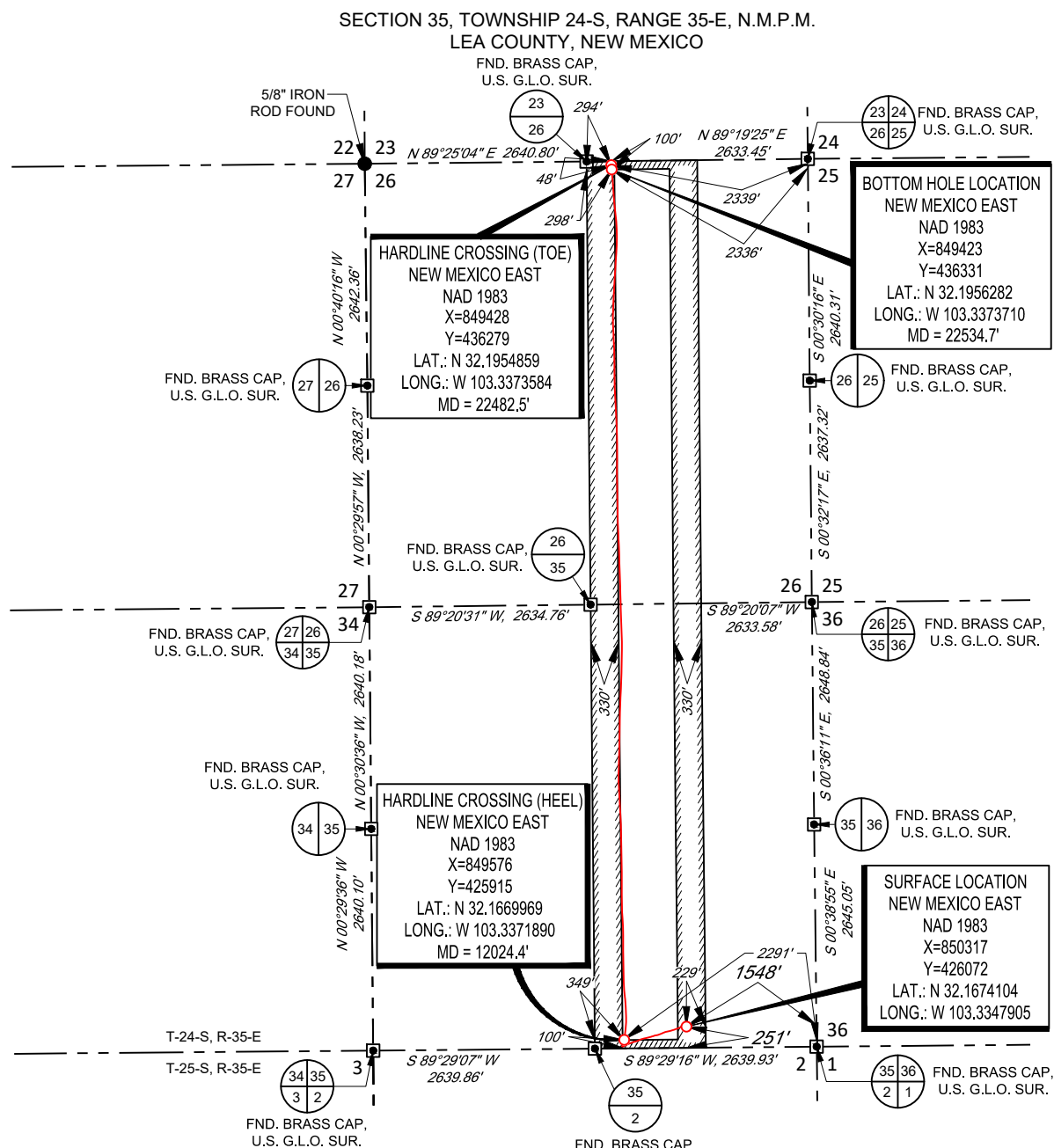
¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	26	24-S	35-E	—	48'	NORTH	2339'	EAST	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.





LEASE NAME & WELL NO.: YADA FED COM 213H U.S. GEO. SURV.
SECTION 35 TWP. 24-S RGE 35-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 3270'
DESCRIPTION 251' FSL & 1548' FEL

INTERNAL
PRE-COMPLETION
PLAT



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

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

YADA FED COM 213H PRE-COMPLETION	REVISION:	
	INT	DATE
DATE: 06/04/21		
FILE: C_YADA_FED_COM_213H		
DRAWN BY: GLH		
SHEET : 1 OF 1		

NOTES:

1. ORIGINAL DOCUMENT SIZE: 8.5" X 11"
2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.
3. THIS WELL LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY TAP ROCK OPERATING, LLC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.



Operator: TapRock Resources LLC
Well Name: Yada Fed Com #213H
County: Lea
State: New Mexico
Rig Name: H&P 425
API: 30-025-48313

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 – 22,466' MD
Projection to Bit: 22,536' MD
Dates Performed: 04/02/2021 – 05/25/2021
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 #213H**

OWB

Design: AWB

Standard Survey Report

26 May, 2021





Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Yada Fed Com #213H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26 @ 3295.0usft (H&P 425)
Site:	(Yada Fed Com) Sec-35_T-24-S_R-35-E	MD Reference:	KB = 26 @ 3295.0usft (H&P 425)
Well:	Yada Fed Com #213H	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
From:	Map	Easting:	851,098.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 10' 2.829 N
		Longitude:	103° 19' 56.158 W
		Grid Convergence:	0.53 °

Well	Yada Fed Com #213H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 10' 2.673 N
		Longitude:	103° 20' 5.245 W
		Ground Level:	3,269.0 usft

Wellbore	OWB		
Magnetics	Model Name	Sample Date	Declination (°)
	HDGM	04/06/21	6.42
			Dip Angle (°)
			59.74
			Field Strength (nT)
			47,622.49566653

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 (°)
			359.42

Survey Program	Date	05/26/21		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
200.0	22,536.0	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	0.70	297.25	200.0	0.6	-1.1	0.6	0.35	0.35	0.00
238.0	0.62	299.97	238.0	0.8	-1.5	0.8	0.23	-0.21	7.16
329.0	0.53	311.22	329.0	1.3	-2.2	1.3	0.16	-0.10	12.36
420.0	0.88	338.56	420.0	2.2	-2.8	2.2	0.52	0.38	30.04
511.0	1.14	330.56	511.0	3.7	-3.5	3.7	0.32	0.29	-8.79
520.0	1.16	330.55	520.0	3.8	-3.6	3.9	0.25	0.25	-0.12
Rustler Anhydrite									
600.0	1.36	330.47	599.9	5.3	-4.4	5.4	0.25	0.25	-0.10
641.0	1.36	316.14	640.9	6.1	-5.0	6.2	0.83	0.00	-34.95
782.0	1.32	331.96	781.9	8.8	-6.9	8.8	0.26	-0.03	11.22



Intrepid Survey Report



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Site:	(Yada Fed Com) Sec-35_T-24-S_R-35-E	MD Reference:	KB = 26 @ 3295.0usft (H&P 425)
Well:	Yada Fed Com #213H	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)
873.0	1.41	322.91	872.9	10.6	-8.1	10.7	0.26	0.10	-9.95
935.1	1.22	316.60	935.0	11.7	-9.0	11.8	0.38	-0.30	-10.16
Top Salt									
964.0	1.14	312.98	963.8	12.1	-9.4	12.2	0.38	-0.28	-12.54
1,054.0	1.19	289.07	1,053.8	13.0	-11.0	13.1	0.54	0.06	-26.57
1,147.0	1.76	251.46	1,146.8	12.9	-13.3	13.0	1.18	0.61	-40.44
1,242.0	1.80	244.95	1,241.8	11.8	-16.0	11.9	0.22	0.04	-6.85
1,336.0	1.80	256.20	1,335.7	10.8	-18.8	11.0	0.38	0.00	11.97
1,431.0	1.76	254.44	1,430.7	10.0	-21.6	10.3	0.07	-0.04	-1.85
1,525.0	1.98	259.98	1,524.6	9.4	-24.6	9.6	0.30	0.23	5.89
1,619.0	2.15	254.09	1,618.6	8.6	-27.9	8.9	0.29	0.18	-6.27
1,713.0	3.34	244.60	1,712.4	7.0	-32.1	7.3	1.35	1.27	-10.10
1,808.0	4.04	246.10	1,807.2	4.4	-37.6	4.8	0.74	0.74	1.58
1,902.0	5.49	249.00	1,900.9	1.5	-44.9	1.9	1.56	1.54	3.09
1,997.0	6.73	249.79	1,995.4	-2.1	-54.3	-1.5	1.31	1.31	0.83
2,091.0	7.52	251.81	2,088.7	-5.9	-65.3	-5.3	0.88	0.84	2.15
2,186.0	6.73	252.69	2,182.9	-9.5	-76.6	-8.7	0.84	-0.83	0.93
2,280.0	6.81	249.96	2,276.3	-13.1	-87.0	-12.2	0.35	0.09	-2.90
2,375.0	7.47	248.56	2,370.5	-17.2	-98.1	-16.3	0.72	0.69	-1.47
2,470.0	7.78	249.08	2,464.7	-21.8	-109.8	-20.7	0.33	0.33	0.55
2,564.0	8.35	249.08	2,557.8	-26.5	-122.2	-25.3	0.61	0.61	0.00
2,659.0	7.65	249.70	2,651.8	-31.2	-134.5	-29.8	0.74	-0.74	0.65
2,754.0	8.22	251.72	2,745.9	-35.5	-146.9	-34.0	0.67	0.60	2.13
2,849.0	8.04	254.09	2,840.0	-39.4	-159.7	-37.8	0.40	-0.19	2.49
2,943.0	6.64	255.32	2,933.2	-42.6	-171.3	-40.9	1.50	-1.49	1.31
3,037.0	6.55	253.65	3,026.6	-45.5	-181.7	-43.7	0.23	-0.10	-1.78
3,132.0	8.31	255.59	3,120.8	-48.7	-193.6	-46.8	1.87	1.85	2.04
3,226.0	9.41	255.41	3,213.6	-52.4	-207.6	-50.3	1.17	1.17	-0.19
3,320.0	10.24	257.87	3,306.3	-56.1	-223.2	-53.8	0.99	0.88	2.62
3,415.0	9.23	260.07	3,399.9	-59.1	-239.0	-56.7	1.13	-1.06	2.32
3,509.0	8.00	251.98	3,492.8	-62.5	-252.6	-59.9	1.83	-1.31	-8.61
3,603.0	8.66	245.92	3,585.8	-67.4	-265.3	-64.7	1.17	0.70	-6.45
3,698.0	8.88	247.68	3,679.7	-73.1	-278.6	-70.3	0.37	0.23	1.85
3,792.0	8.79	247.94	3,772.6	-78.5	-292.0	-75.6	0.10	-0.10	0.28
3,887.0	8.79	246.62	3,866.5	-84.1	-305.4	-81.1	0.21	0.00	-1.39
3,981.0	6.37	245.30	3,959.7	-89.2	-316.7	-86.0	2.58	-2.57	-1.40
4,076.0	7.52	251.37	4,054.0	-93.4	-327.4	-90.0	1.43	1.21	6.39
4,171.0	9.63	256.82	4,147.9	-97.2	-341.0	-93.7	2.38	2.22	5.74
4,265.0	9.36	259.28	4,240.6	-100.4	-356.2	-96.8	0.52	-0.29	2.62
4,359.0	7.38	257.87	4,333.6	-103.1	-369.6	-99.3	2.12	-2.11	-1.50
4,454.0	7.69	252.95	4,427.8	-106.2	-381.6	-102.3	0.75	0.33	-5.18
4,549.0	8.88	250.84	4,521.8	-110.5	-394.6	-106.5	1.29	1.25	-2.22
4,643.0	9.58	251.72	4,614.6	-115.3	-408.9	-111.2	0.76	0.74	0.94



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)
4,738.0	7.96	251.37	4,708.5	-119.9	-422.6	-115.6	1.71	-1.71	-0.37
4,833.0	7.78	256.03	4,802.6	-123.6	-435.1	-119.1	0.70	-0.19	4.91
4,891.0	8.26	258.09	4,860.0	-125.4	-443.0	-120.9	0.96	0.83	3.55
Base Salt									
4,928.0	8.57	259.28	4,896.6	-126.4	-448.3	-121.9	0.96	0.84	3.22
5,022.0	8.70	256.99	4,989.6	-129.3	-462.1	-124.6	0.39	0.14	-2.44
5,117.0	8.57	256.99	5,083.5	-132.5	-476.0	-127.7	0.14	-0.14	0.00
5,153.9	8.19	256.93	5,120.0	-133.8	-481.3	-128.9	1.03	-1.03	-0.17
Bell Canyon									
5,194.3	7.77	256.85	5,160.0	-135.0	-486.7	-130.1	1.03	-1.03	-0.19
Delaware Mountain Gp									
5,209.4	7.62	256.82	5,175.0	-135.5	-488.7	-130.5	1.03	-1.03	-0.20
Lamar									
5,211.0	7.60	256.82	5,176.5	-135.5	-488.9	-130.6	1.03	-1.03	-0.20
5,259.9	7.33	257.23	5,225.0	-137.0	-495.1	-131.9	0.56	-0.55	0.84
Ramsey Sand									
5,282.0	7.21	257.43	5,246.9	-137.6	-497.8	-132.5	0.56	-0.55	0.89
5,299.0	6.86	255.68	5,263.8	-138.1	-499.8	-133.0	2.41	-2.06	-10.29
5,393.0	7.60	253.13	5,357.1	-141.2	-511.2	-136.1	0.86	0.79	-2.71
5,488.0	7.96	254.09	5,451.2	-144.9	-523.6	-139.6	0.40	0.38	1.01
5,582.0	8.31	252.60	5,544.3	-148.7	-536.3	-143.3	0.43	0.37	-1.59
5,677.0	8.09	250.40	5,638.3	-153.0	-549.2	-147.4	0.40	-0.23	-2.32
5,772.0	7.74	248.20	5,732.4	-157.6	-561.4	-151.9	0.49	-0.37	-2.32
5,867.0	7.43	243.46	5,826.5	-162.7	-572.8	-156.9	0.73	-0.33	-4.99
5,962.0	6.90	245.04	5,920.8	-167.9	-583.5	-162.0	0.60	-0.56	1.66
6,057.0	6.86	250.93	6,015.1	-172.1	-594.0	-166.1	0.74	-0.04	6.20
6,152.0	7.74	256.82	6,109.4	-175.4	-605.6	-169.3	1.21	0.93	6.20
6,167.8	7.72	256.33	6,125.0	-175.9	-607.7	-169.8	0.45	-0.16	-3.13
Cherry Canyon									
6,246.0	7.60	253.83	6,202.5	-178.6	-617.8	-172.4	0.45	-0.15	-3.19
6,341.0	7.74	252.51	6,296.7	-182.3	-629.9	-175.9	0.24	0.15	-1.39
6,436.0	7.56	251.81	6,390.8	-186.2	-641.9	-179.7	0.21	-0.19	-0.74
6,530.0	7.47	251.10	6,484.0	-190.1	-653.6	-183.5	0.14	-0.10	-0.76
6,625.0	7.38	248.64	6,578.2	-194.3	-665.1	-187.6	0.35	-0.09	-2.59
6,719.0	4.62	245.57	6,671.7	-198.1	-674.2	-191.2	2.95	-2.94	-3.27
6,814.0	7.03	247.33	6,766.2	-201.9	-683.0	-195.0	2.54	2.54	1.85
6,908.0	6.68	243.72	6,859.5	-206.5	-693.2	-199.5	0.59	-0.37	-3.84
7,002.0	5.93	246.71	6,952.9	-210.9	-702.6	-203.7	0.87	-0.80	3.18
7,097.0	5.76	245.22	7,047.5	-214.8	-711.4	-207.6	0.24	-0.18	-1.57
7,191.0	5.45	239.68	7,141.0	-219.0	-719.6	-211.7	0.66	-0.33	-5.89
7,285.0	5.23	244.78	7,234.6	-223.1	-727.3	-215.7	0.56	-0.23	5.43
7,379.0	4.84	261.48	7,328.2	-225.5	-735.1	-218.1	1.61	-0.41	17.77
7,474.0	4.62	257.26	7,422.9	-227.0	-742.8	-219.4	0.43	-0.23	-4.44
7,568.0	4.35	256.38	7,516.6	-228.6	-750.0	-221.0	0.30	-0.29	-0.94



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Yada Fed Com #213H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26 @ 3295.0usft (H&P 425)
Site:	(Yada Fed Com) Sec-35_T-24-S_R-35-E	MD Reference:	KB = 26 @ 3295.0usft (H&P 425)
Well:	Yada Fed Com #213H	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)
7,616.5	3.66	260.74	7,565.0	-229.3	-753.3	-221.7	1.55	-1.42	8.99
Brushy Canyon									
7,663.0	3.03	266.75	7,611.4	-229.6	-756.0	-222.0	1.55	-1.36	12.92
7,757.0	2.20	274.75	7,705.3	-229.6	-760.2	-221.9	0.96	-0.88	8.51
7,851.0	1.05	303.49	7,799.3	-229.0	-762.8	-221.3	1.46	-1.22	30.57
7,946.0	0.70	4.75	7,894.3	-227.9	-763.4	-220.2	0.99	-0.37	64.48
8,040.0	0.75	63.90	7,988.3	-227.1	-762.8	-219.4	0.76	0.05	62.93
8,135.0	0.75	91.06	8,083.3	-226.8	-761.7	-219.1	0.37	0.00	28.59
8,229.0	0.53	78.84	8,177.3	-226.8	-760.6	-219.1	0.27	-0.23	-13.00
8,322.0	0.57	121.38	8,270.3	-226.9	-759.8	-219.2	0.43	0.04	45.74
8,416.0	0.44	105.03	8,364.3	-227.3	-759.1	-219.6	0.21	-0.14	-17.39
8,510.0	0.57	144.05	8,458.3	-227.7	-758.4	-220.0	0.38	0.14	41.51
8,605.0	0.79	156.80	8,553.2	-228.7	-757.9	-221.0	0.28	0.23	13.42
8,699.0	0.62	52.91	8,647.2	-229.0	-757.2	-221.3	1.19	-0.18	-110.52
8,793.0	0.48	42.01	8,741.2	-228.4	-756.6	-220.7	0.19	-0.15	-11.60
8,887.0	1.41	6.24	8,835.2	-227.0	-756.2	-219.3	1.13	0.99	-38.05
8,916.8	1.35	8.19	8,865.0	-226.3	-756.1	-218.6	0.25	-0.20	6.54
Bone Spring Lime									
8,941.8	1.30	9.96	8,890.0	-225.7	-756.0	-218.0	0.25	-0.19	7.08
Upper Avalon									
8,981.0	1.23	13.01	8,929.2	-224.8	-755.8	-217.2	0.25	-0.19	7.78
9,075.0	0.70	7.82	9,023.2	-223.3	-755.5	-215.6	0.57	-0.56	-5.52
9,166.8	0.53	345.78	9,115.0	-222.3	-755.5	-214.6	0.31	-0.18	-24.00
Middle Avalon									
9,170.0	0.53	344.80	9,118.2	-222.3	-755.6	-214.6	0.31	-0.12	-30.92
9,265.0	1.10	356.57	9,213.2	-220.9	-755.7	-213.3	0.62	0.60	12.39
9,359.0	1.01	327.57	9,307.2	-219.3	-756.2	-211.7	0.57	-0.10	-30.85
9,453.0	0.75	325.28	9,401.1	-218.1	-757.0	-210.5	0.28	-0.28	-2.44
9,546.0	0.62	342.69	9,494.1	-217.2	-757.5	-209.5	0.26	-0.14	18.72
9,641.0	0.66	61.61	9,589.1	-216.4	-757.2	-208.7	0.86	0.04	83.07
9,696.9	2.66	37.84	9,645.0	-215.2	-756.1	-207.6	3.71	3.58	-42.53
Lower Avalon									
9,701.0	2.81	37.44	9,649.1	-215.1	-756.0	-207.4	3.71	3.68	-9.71
9,735.0	3.34	42.19	9,683.1	-213.7	-754.8	-206.0	1.73	1.56	13.97
9,829.0	3.21	48.60	9,776.9	-209.9	-751.0	-202.3	0.41	-0.14	6.82
9,922.0	1.58	79.28	9,869.8	-208.0	-747.8	-200.4	2.17	-1.75	32.99
10,016.0	1.63	139.66	9,963.8	-208.7	-745.6	-201.2	1.72	0.05	64.23
10,110.0	1.76	161.63	10,057.8	-211.1	-744.3	-203.6	0.70	0.14	23.37
10,122.3	1.60	163.56	10,070.0	-211.5	-744.2	-203.9	1.40	-1.32	15.76
1st Bone Spring Sand									
10,204.0	0.66	200.39	10,151.7	-213.0	-744.1	-205.5	1.40	-1.15	45.05
10,298.0	0.18	150.91	10,245.7	-213.6	-744.2	-206.1	0.60	-0.51	-52.64
10,357.3	0.79	171.59	10,305.0	-214.1	-744.1	-206.6	1.05	1.02	34.89
2nd Bone Spring Carb									
10,391.0	1.14	173.41	10,338.7	-214.7	-744.0	-207.1	1.05	1.05	5.39



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Yada Fed Com #213H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26 @ 3295.0usft (H&P 425)
Site:	(Yada Fed Com) Sec-35_T-24-S_R-35-E	MD Reference:	KB = 26 @ 3295.0usft (H&P 425)
Well:	Yada Fed Com #213H	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)
10,485.0	1.58	195.65	10,432.7	-216.9	-744.2	-209.3	0.72	0.47	23.66
10,579.0	0.92	249.35	10,526.7	-218.4	-745.3	-210.8	1.35	-0.70	57.13
10,626.0	0.48	302.52	10,573.7	-218.4	-745.8	-210.8	1.57	-0.94	113.13
10,673.0	0.53	282.13	10,620.7	-218.2	-746.2	-210.7	0.39	0.11	-43.38
10,677.3	0.50	280.90	10,625.0	-218.2	-746.2	-210.7	0.72	-0.67	-28.38
2nd Bone Spring Sand									
10,768.0	0.26	167.17	10,715.7	-218.4	-746.6	-210.8	0.72	-0.27	-125.43
10,861.0	2.02	164.97	10,808.6	-220.2	-746.1	-212.6	1.89	1.89	-2.37
10,956.0	1.45	251.19	10,903.6	-222.2	-746.8	-214.6	2.53	-0.60	90.76
11,051.0	2.24	241.26	10,998.6	-223.4	-749.6	-215.8	0.89	0.83	-10.45
11,087.5	3.10	229.58	11,035.0	-224.4	-751.0	-216.8	2.79	2.37	-32.01
3rd Bone Spring Carb									
11,146.0	4.62	220.52	11,093.4	-227.2	-753.7	-219.6	2.79	2.59	-15.49
11,187.0	5.49	210.85	11,134.2	-230.2	-755.8	-222.5	2.96	2.12	-23.59
11,241.0	4.70	212.52	11,188.0	-234.3	-758.3	-226.6	1.49	-1.46	3.09
11,273.0	3.82	211.38	11,219.9	-236.3	-759.5	-228.6	2.76	-2.75	-3.56
11,336.0	2.11	182.11	11,282.8	-239.2	-760.7	-231.5	3.54	-2.71	-46.46
11,399.0	0.31	72.86	11,345.8	-240.3	-760.6	-232.6	3.54	-2.86	-173.41
11,431.0	1.27	24.96	11,377.8	-240.0	-760.3	-232.3	3.40	3.00	-149.69
11,494.0	2.33	21.80	11,440.8	-238.2	-759.6	-230.5	1.69	1.68	-5.02
11,525.0	2.51	17.49	11,471.8	-236.9	-759.1	-229.2	0.83	0.58	-13.90
11,652.0	2.46	25.84	11,598.7	-231.8	-757.1	-224.2	0.29	-0.04	6.57
11,746.0	1.93	28.57	11,692.6	-228.6	-755.5	-221.0	0.57	-0.56	2.90
11,841.0	10.86	10.72	11,786.9	-218.4	-753.0	-210.8	9.52	9.40	-18.79
11,869.8	13.66	10.45	11,815.0	-212.4	-751.9	-204.8	9.72	9.72	-0.94
3rd Bone Spring Sand									
11,935.0	20.00	10.11	11,877.4	-193.8	-748.5	-186.2	9.72	9.72	-0.52
11,975.6	24.55	11.74	11,915.0	-178.7	-745.6	-171.2	11.31	11.21	4.02
3rd BS W Sand									
11,982.0	25.27	11.95	11,920.8	-176.1	-745.1	-168.5	11.31	11.23	3.23
12,029.0	28.31	13.01	11,962.7	-155.4	-740.5	-147.9	6.55	6.47	2.26
12,066.4	32.42	10.37	11,995.0	-136.9	-736.7	-129.4	11.56	11.00	-7.06
Wolfcamp A X Sand									
12,078.0	33.71	9.67	12,004.7	-130.7	-735.6	-123.2	11.56	11.08	-6.03
12,123.0	42.15	6.07	12,040.2	-103.3	-731.9	-95.9	19.38	18.76	-8.00
12,143.7	46.27	5.94	12,055.0	-88.9	-730.4	-81.6	19.94	19.94	-0.62
Wolfcamp A Y Sand									
12,170.0	51.52	5.80	12,072.3	-69.2	-728.3	-61.8	19.94	19.94	-0.54
12,217.0	61.67	6.33	12,098.1	-30.3	-724.2	-22.9	21.62	21.60	1.13
12,312.0	68.22	2.11	12,138.4	55.5	-717.9	62.8	7.98	6.89	-4.44
12,372.0	76.62	359.21	12,156.5	112.6	-717.3	119.9	14.74	14.00	-4.83
12,417.0	88.18	357.28	12,162.4	157.1	-718.7	164.4	26.04	25.69	-4.29
12,460.0	97.23	357.10	12,160.4	200.0	-720.8	207.3	21.05	21.05	-0.42
12,500.0	98.59	356.93	12,154.9	239.6	-722.9	246.9	3.43	3.40	-0.43



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Yada Fed Com #213H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26 @ 3295.0usft (H&P 425)
Site:	(Yada Fed Com) Sec-35_T-24-S_R-35-E	MD Reference:	KB = 26 @ 3295.0usft (H&P 425)
Well:	Yada Fed Com #213H	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)
12,594.0	91.38	354.55	12,146.7	332.9	-729.8	340.2	8.07	-7.67	-2.53
12,602.0	91.12	354.29	12,146.5	340.8	-730.6	348.2	4.60	-3.25	-3.25
12,696.0	90.02	354.20	12,145.6	434.4	-740.0	441.8	1.17	-1.17	-0.10
12,789.0	91.87	358.24	12,144.1	527.1	-746.1	534.6	4.78	1.99	4.34
12,883.0	91.03	359.56	12,141.7	621.1	-747.9	628.6	1.66	-0.89	1.40
12,977.0	92.35	359.83	12,138.9	715.0	-748.4	722.6	1.43	1.40	0.29
13,070.0	92.62	357.54	12,134.9	807.9	-750.6	815.5	2.48	0.29	-2.46
13,164.0	92.18	0.00	12,131.0	901.8	-752.6	909.4	2.66	-0.47	2.62
13,258.0	88.66	0.35	12,130.3	995.8	-752.3	1,003.3	3.76	-3.74	0.37
13,352.0	88.09	0.00	12,132.9	1,089.7	-752.0	1,097.3	0.71	-0.61	-0.37
13,446.0	86.64	357.01	12,137.3	1,183.6	-754.5	1,191.2	3.53	-1.54	-3.18
13,540.0	87.82	356.31	12,141.8	1,277.3	-759.9	1,284.9	1.46	1.26	-0.74
13,635.0	90.59	357.54	12,143.1	1,372.2	-765.0	1,379.8	3.19	2.92	1.29
13,729.0	91.47	359.21	12,141.4	1,466.1	-767.7	1,473.8	2.01	0.94	1.78
13,822.0	89.98	359.47	12,140.3	1,559.1	-768.8	1,566.8	1.63	-1.60	0.28
13,916.0	91.87	0.35	12,138.7	1,653.1	-768.9	1,660.8	2.22	2.01	0.94
14,010.0	91.82	0.09	12,135.7	1,747.0	-768.6	1,754.7	0.28	-0.05	-0.28
14,105.0	91.82	359.30	12,132.7	1,842.0	-769.1	1,849.7	0.83	0.00	-0.83
14,198.0	92.53	359.21	12,129.2	1,934.9	-770.3	1,942.6	0.77	0.76	-0.10
14,292.0	92.75	358.86	12,124.8	2,028.8	-771.9	2,036.5	0.44	0.23	-0.37
14,387.0	92.75	359.03	12,120.3	2,123.7	-773.6	2,131.4	0.18	0.00	0.18
14,482.0	91.96	358.86	12,116.4	2,218.6	-775.3	2,226.3	0.85	-0.83	-0.18
14,576.0	92.31	358.33	12,112.9	2,312.5	-777.7	2,320.2	0.68	0.37	-0.56
14,671.0	92.35	358.77	12,109.0	2,407.4	-780.1	2,415.1	0.46	0.04	0.46
14,765.0	88.26	356.49	12,108.5	2,501.3	-783.9	2,509.1	4.98	-4.35	-2.43
14,859.0	88.00	356.66	12,111.6	2,595.0	-789.6	2,602.9	0.33	-0.28	0.18
14,953.0	89.76	357.45	12,113.4	2,688.9	-794.4	2,696.8	2.05	1.87	0.84
15,047.0	89.45	355.87	12,114.1	2,782.7	-799.9	2,790.7	1.71	-0.33	-1.68
15,163.0	93.36	358.16	12,111.2	2,898.5	-805.9	2,906.5	3.91	3.37	1.97
15,257.0	93.45	0.35	12,105.6	2,992.3	-807.1	3,000.3	2.33	0.10	2.33
15,351.0	94.95	2.20	12,098.7	3,086.0	-805.0	3,094.0	2.53	1.60	1.97
15,445.0	94.81	1.67	12,090.7	3,179.6	-801.9	3,187.6	0.58	-0.15	-0.56
15,539.0	94.64	1.41	12,083.0	3,273.3	-799.4	3,281.2	0.33	-0.18	-0.28
15,633.0	94.42	1.23	12,075.6	3,367.0	-797.2	3,374.9	0.30	-0.23	-0.19
15,727.0	94.73	0.97	12,068.1	3,460.7	-795.4	3,468.5	0.43	0.33	-0.28
15,821.0	94.42	0.97	12,060.6	3,554.3	-793.8	3,562.2	0.33	-0.33	0.00
15,914.0	93.45	0.79	12,054.2	3,647.1	-792.4	3,654.9	1.06	-1.04	-0.19
16,007.0	92.31	1.41	12,049.5	3,740.0	-790.6	3,747.8	1.39	-1.23	0.67
16,101.0	92.35	1.32	12,045.7	3,833.9	-788.4	3,841.7	0.10	0.04	-0.10
16,195.0	90.81	2.81	12,043.1	3,927.8	-785.0	3,935.5	2.28	-1.64	1.59
16,289.0	90.15	3.43	12,042.3	4,021.6	-779.9	4,029.3	0.96	-0.70	0.66
16,384.0	89.10	1.93	12,043.0	4,116.5	-775.4	4,124.2	1.93	-1.11	-1.58
16,478.0	91.08	1.06	12,042.8	4,210.5	-773.0	4,218.1	2.30	2.11	-0.93
16,573.0	90.68	1.14	12,041.3	4,305.4	-771.1	4,313.0	0.43	-0.42	0.08



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Yada Fed Com #213H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26 @ 3295.0usft (H&P 425)
Site:	(Yada Fed Com) Sec-35_T-24-S_R-35-E	MD Reference:	KB = 26 @ 3295.0usft (H&P 425)
Well:	Yada Fed Com #213H	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)
16,666.0	92.04	0.97	12,039.1	4,398.4	-769.4	4,406.0	1.47	1.46	-0.18
16,760.0	91.91	0.79	12,035.9	4,492.3	-768.0	4,499.9	0.24	-0.14	-0.19
16,854.0	89.45	359.12	12,034.8	4,586.3	-768.1	4,593.9	3.16	-2.62	-1.78
16,948.0	87.08	357.89	12,037.6	4,680.2	-770.5	4,687.8	2.84	-2.52	-1.31
17,042.0	90.90	357.89	12,039.3	4,774.1	-774.0	4,781.7	4.06	4.06	0.00
17,136.0	91.21	357.80	12,037.6	4,868.1	-777.5	4,875.7	0.34	0.33	-0.10
17,230.0	91.78	358.33	12,035.1	4,962.0	-780.7	4,969.6	0.83	0.61	0.56
17,324.0	90.24	358.42	12,033.4	5,055.9	-783.3	5,063.6	1.64	-1.64	0.10
17,419.0	89.76	359.03	12,033.4	5,150.9	-785.5	5,158.6	0.82	-0.51	0.64
17,513.0	90.02	358.24	12,033.6	5,244.9	-787.7	5,252.6	0.88	0.28	-0.84
17,607.0	89.93	358.33	12,033.7	5,338.8	-790.5	5,346.5	0.14	-0.10	0.10
17,701.0	90.07	357.72	12,033.7	5,432.8	-793.8	5,440.5	0.67	0.15	-0.65
17,795.0	90.02	358.42	12,033.6	5,526.7	-796.9	5,534.5	0.75	-0.05	0.74
17,889.0	90.59	358.07	12,033.1	5,620.7	-799.8	5,628.5	0.71	0.61	-0.37
17,982.0	89.36	357.98	12,033.1	5,713.6	-803.0	5,721.4	1.33	-1.32	-0.10
18,076.0	89.63	357.01	12,034.0	5,807.5	-807.1	5,815.4	1.07	0.29	-1.03
18,169.0	91.47	357.10	12,033.1	5,900.4	-811.9	5,908.3	1.98	1.98	0.10
18,264.0	91.82	358.51	12,030.3	5,995.3	-815.5	6,003.2	1.53	0.37	1.48
18,358.0	92.35	358.60	12,026.9	6,089.2	-817.9	6,097.1	0.57	0.56	0.10
18,451.0	92.04	358.77	12,023.4	6,182.1	-820.0	6,190.1	0.38	-0.33	0.18
18,545.0	91.74	359.39	12,020.3	6,276.0	-821.5	6,284.0	0.73	-0.32	0.66
18,640.0	88.70	358.60	12,019.9	6,371.0	-823.2	6,379.0	3.31	-3.20	-0.83
18,734.0	89.80	358.95	12,021.1	6,465.0	-825.2	6,473.0	1.23	1.17	0.37
18,829.0	88.79	359.83	12,022.3	6,559.9	-826.2	6,568.0	1.41	-1.06	0.93
18,924.0	88.84	0.44	12,024.3	6,654.9	-826.0	6,662.9	0.64	0.05	0.64
19,018.0	88.66	0.53	12,026.3	6,748.9	-825.2	6,756.9	0.21	-0.19	0.10
19,113.0	88.88	0.00	12,028.3	6,843.9	-824.8	6,851.9	0.60	0.23	-0.56
19,208.0	86.86	0.18	12,031.9	6,938.8	-824.6	6,946.8	2.13	-2.13	0.19
19,302.0	87.30	358.60	12,036.7	7,032.7	-825.6	7,040.7	1.74	0.47	-1.68
19,397.0	87.96	357.19	12,040.6	7,127.5	-829.1	7,135.6	1.64	0.69	-1.48
19,492.0	89.54	357.28	12,042.7	7,222.4	-833.7	7,230.5	1.67	1.66	0.09
19,587.0	91.03	357.54	12,042.2	7,317.3	-838.0	7,325.4	1.59	1.57	0.27
19,681.0	89.63	356.84	12,041.7	7,411.2	-842.6	7,419.3	1.67	-1.49	-0.74
19,776.0	88.35	356.57	12,043.3	7,506.0	-848.0	7,514.2	1.38	-1.35	-0.28
19,871.0	88.57	358.07	12,045.9	7,600.9	-852.5	7,609.1	1.60	0.23	1.58
19,965.0	89.58	358.86	12,047.4	7,694.8	-855.0	7,703.1	1.36	1.07	0.84
20,060.0	87.65	0.18	12,049.7	7,789.8	-855.8	7,798.0	2.46	-2.03	1.39
20,155.0	89.05	359.74	12,052.4	7,884.7	-855.9	7,893.0	1.54	1.47	-0.46
20,250.0	87.34	358.51	12,055.4	7,979.7	-857.3	7,987.9	2.22	-1.80	-1.29
20,344.0	85.19	358.33	12,061.5	8,073.4	-859.9	8,081.7	2.30	-2.29	-0.19
20,439.0	88.26	356.75	12,067.0	8,168.2	-864.0	8,176.5	3.63	3.23	-1.66
20,533.0	91.47	357.54	12,067.2	8,262.0	-868.6	8,270.4	3.52	3.41	0.84
20,628.0	90.99	357.72	12,065.2	8,356.9	-872.6	8,365.3	0.54	-0.51	0.19



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Yada Fed Com #213H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26 @ 3295.0usft (H&P 425)
Site:	(Yada Fed Com) Sec-35_T-24-S_R-35-E	MD Reference:	KB = 26 @ 3295.0usft (H&P 425)
Well:	Yada Fed Com #213H	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)	
20,723.0	93.36	0.62	12,061.5	8,451.8	-874.0	8,460.3	3.94	2.49	3.05	
20,818.0	90.59	1.76	12,058.3	8,546.8	-872.0	8,555.1	3.15	-2.92	1.20	
20,913.0	91.78	3.17	12,056.3	8,641.6	-867.9	8,650.0	1.94	1.25	1.48	
21,008.0	91.43	2.90	12,053.7	8,736.5	-862.9	8,744.8	0.47	-0.37	-0.28	
21,103.0	92.44	2.99	12,050.4	8,831.3	-858.0	8,839.5	1.07	1.06	0.09	
21,198.0	89.63	3.43	12,048.7	8,926.1	-852.7	8,934.3	2.99	-2.96	0.46	
21,293.0	89.10	3.69	12,049.8	9,020.9	-846.8	9,029.0	0.62	-0.56	0.27	
21,388.0	88.75	3.52	12,051.6	9,115.7	-840.8	9,123.8	0.41	-0.37	-0.18	
21,482.0	90.29	4.04	12,052.3	9,209.5	-834.6	9,217.5	1.73	1.64	0.55	
21,577.0	89.54	2.55	12,052.5	9,304.3	-829.1	9,312.3	1.76	-0.79	-1.57	
21,672.0	86.59	359.83	12,055.7	9,399.3	-827.2	9,407.1	4.22	-3.11	-2.86	
21,766.0	86.64	357.98	12,061.2	9,493.1	-829.0	9,501.0	1.97	0.05	-1.97	
21,861.0	87.30	355.17	12,066.3	9,587.8	-834.6	9,595.7	3.03	0.69	-2.96	
21,955.0	87.38	353.15	12,070.6	9,681.2	-844.2	9,689.2	2.15	0.09	-2.15	
22,050.0	86.29	354.29	12,075.9	9,775.4	-854.6	9,783.6	1.66	-1.15	1.20	
22,145.0	85.14	355.61	12,083.0	9,869.8	-862.9	9,878.0	1.84	-1.21	1.39	
22,239.0	87.47	357.01	12,089.0	9,963.4	-868.9	9,971.7	2.89	2.48	1.49	
22,305.0	82.77	354.11	12,094.6	10,028.9	-874.0	10,037.3	8.36	-7.12	-4.39	
22,335.0	85.71	354.90	12,097.7	10,058.7	-876.9	10,067.0	10.14	9.80	2.63	
22,431.0	85.76	355.43	12,104.8	10,154.1	-884.9	10,162.5	0.55	0.05	0.55	
22,466.0	85.01	355.17	12,107.6	10,188.8	-887.8	10,197.3	2.27	-2.14	-0.74	
22,536.0	85.01	355.17	12,113.7	10,258.3	-893.7	10,266.8	0.00	0.00	0.00	



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Yada Fed Com #213H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26 @ 3295.0usft (H&P 425)
Site:	(Yada Fed Com) Sec-35_T-24-S_R-35-E	MD Reference:	KB = 26 @ 3295.0usft (H&P 425)
Well:	Yada Fed Com #213H	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
T5 (Yada Fed Com #2 - actual wellpath misses target center by 157.5usft at 12056.2usft MD (11986.3 TVD, -142.2 N, -737.7 E) - Rectangle (sides W100.0 H568.0 D20.0)	-1.00	179.42	11,910.0	-5.5	-755.5	426,066.46	849,561.48	32° 10' 2.688 N	103° 20' 14.035 W
T6 (Yada Fed Com #2 - actual wellpath misses target center by 157.5usft at 12056.2usft MD (11986.3 TVD, -142.2 N, -737.7 E) - Rectangle (sides W100.0 H1,661.2 D20.0)	-1.00	179.42	11,910.0	-5.5	-755.5	426,066.46	849,561.48	32° 10' 2.688 N	103° 20' 14.035 W
T4 (Yada Fed Com #2 - actual wellpath misses target center by 157.5usft at 12056.2usft MD (11986.3 TVD, -142.2 N, -737.7 E) - Rectangle (sides W100.0 H1,134.2 D20.0)	-1.00	179.42	11,910.0	-5.5	-755.5	426,066.46	849,561.48	32° 10' 2.688 N	103° 20' 14.035 W
T3 (Yada Fed Com #2 - actual wellpath misses target center by 77.4usft at 12197.2usft MD (12088.1 TVD, -47.2 N, -726.0 E) - Rectangle (sides W100.0 H2,540.8 D20.0)	0.00	179.42	12,030.0	-5.5	-755.5	426,066.46	849,561.48	32° 10' 2.688 N	103° 20' 14.035 W
PBHL (Yada Fed Com # - actual wellpath misses target center by 60.7usft at 22536.0usft MD (12113.7 TVD, 10258.3 N, -893.7 E) - Point	2.00	359.42	12,089.9	10,302.0	-859.0	436,374.00	849,458.00	32° 11' 44.687 N	103° 20' 14.128 W
LTP (Yada Fed Com # - actual wellpath misses target center by 39.1usft at 22466.0usft MD (12107.6 TVD, 10188.8 N, -887.8 E) - Point	0.00	0.00	12,089.9	10,207.0	-858.0	436,279.00	849,459.00	32° 11' 43.746 N	103° 20' 14.127 W
T1 (Yada Fed Com #2 - actual wellpath misses target center by 14.9usft at 13720.5usft MD (12141.6 TVD, 1457.6 N, -767.6 E) - Rectangle (sides W100.0 H1,614.8 D25.0)	-0.32	359.42	12,156.4	1,457.8	-769.8	427,529.82	849,547.15	32° 10' 17.169 N	103° 20' 14.044 W
FTP (Yada Fed Com # - actual wellpath misses target center by 128.3usft at 12161.9usft MD (12067.1 TVD, -75.5 N, -729.0 E) - Point	0.00	0.00	12,163.0	-157.0	-754.0	425,915.00	849,563.00	32° 10' 1.189 N	103° 20' 14.033 W
T2 (Yada Fed Com #2 - actual wellpath misses target center by 95.7usft at 12284.2usft MD (12127.6 TVD, 29.9 N, -719.1 E) - Rectangle (sides W100.0 H2,941.0 D25.0)	2.00	179.42	12,208.8	-5.5	-755.5	426,066.46	849,561.48	32° 10' 2.688 N	103° 20' 14.035 W



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Yada Fed Com #213H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB = 26 @ 3295.0usft (H&P 425)
Site:	(Yada Fed Com) Sec-35_T-24-S_R-35-E	MD Reference:	KB = 26 @ 3295.0usft (H&P 425)
Well:	Yada Fed Com #213H	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 (°)
520.0	520.0	Rustler Anhydrite			
935.1	935.0	Top Salt			
4,891.0	4,860.0	Base Salt			
5,153.9	5,120.0	Bell Canyon			
5,194.3	5,160.0	Delaware Mountain Gp			
5,209.4	5,175.0	Lamar			
5,259.9	5,225.0	Ramsey Sand			
6,167.8	6,125.0	Cherry Canyon			
7,616.5	7,565.0	Brushy Canyon			
8,916.8	8,865.0	Bone Spring Lime			
8,941.8	8,890.0	Upper Avalon			
9,166.8	9,115.0	Middle Avalon			
9,696.9	9,645.0	Lower Avalon			
10,122.3	10,070.0	1st Bone Spring Sand			
10,357.3	10,305.0	2nd Bone Spring Carb			
10,677.3	10,625.0	2nd Bone Spring Sand			
11,087.5	11,035.0	3rd Bone Spring Carb			
11,869.8	11,815.0	3rd Bone Spring Sand			
11,975.6	11,915.0	3rd BS W Sand			
12,066.4	11,995.0	Wolfcamp A X Sand			
12,143.7	12,055.0	Wolfcamp A Y Sand			

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
12,025.8	11,959.9	-156.9	-740.8	FTP @ 12025.8'MD, 100'FSL & 2290.8'FEL
22,466.0	12,107.6	10,188.8	-887.8	LAST SVY
22,484.3	12,109.2	10,207.0	-889.3	LTP @ 22484.3'MD, 100'FNL & 2335.6'FEL
22,536.0	12,113.7	10,258.3	-893.7	Projection to TD @ 22536'MD, 48.6'FNL & 2339.5'FEL

Checked By: _____ Approved By: _____ Date: _____

Well Name: YADA FED COM	Well Location: T24S / R35E / SEC 35 / SWSE / 32.1674104 / -103.3347905	County or Parish/State: LEA / NM
Well Number: 213H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM138896	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002548272	Well Status: Drilling Well	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: 01:35
Date Operation Actually Began: 06/24/2021	

Actual Procedure: 5/25/2021: TD Reached at 22536 ft MD, 12114 ft TVD. Plug Back Measured depth at 22454 ft MD, 12109 ft TVD. Rig Release on 5/27/2021 at 9:45. 6/24/2021: Pressure test casing to 5100 psi for 30 minutes, good test. 6/25/2021 to 7/16/2021: Perforate from 12057 ft to 22375 ft, 1 SPF, .6 inch holes with 624 total shots. 48 stage frac with 24,142,567 lbs of 100 mesh sand. 7/18/2021 to 7/21/2021: Drill out plugs 7/22/2021: Ready to produce Formation Tops (True Vertical Depth): Formation MD Rustler 960 Top of Salt 1,450 Base of Salt 5,065 Deleware 5,302 Lamar 5,310 Bell 5,340 Ramsey 5,359 Cherry 6,093 Brushy 7,578 Bone Spring 8,842 Upper Avalon 8,885 Middle Avalon 9,127 Lower Avalon 9,659 1st Bone Spring Sand 10,038 2nd Bone Spring Sand 10,611 3rd Bone Spring Sand 11,700 3rd Bone Spring W 11,942 Wolfcamp A X 11,978 Wolfcamp A Y 12,031 Wolfcamp A Lower 12,066 Request for OCD extension of time to file BLM approved Form 3160-4.

Well Name: YADA FED COM	Well Location: T24S / R35E / SEC 35 / SWSE / 32.1674104 / -103.3347905	County or Parish/State: LEA / NM
Well Number: 213H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM138896	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002548272	Well Status: Drilling Well	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 01:35 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					
1. WELL API NO. 30-025-48272										
2. Type of Lease ☐ STATE ☐ FEE ☒ FED/INDIAN										
3. State Oil & Gas Lease No.										
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 Yada Fed Com		
								6. Well Number: 213H		
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:	O	35	24S	35E	-	251	SOUTH	1548	EAST	LEA
BH:	B	26	24S	35E	-	48	NORTH	2339	EAST	LEA
13. Date Spudded 4/2/2021	14. Date T.D. Reached 5/25/2021		15. Date Rig Released 5/27/2021			16. Date Completed (Ready to Produce) 7/22/2021		17. Elevations (DF and RKB, RT, GR, etc.) 3270 GR		
18. Total Measured Depth of Well 22536			19. Plug Back Measured Depth 22454			20. Was Directional Survey Made? YES		21. Type Electric and Other Logs Run GAMMA		
22. Producing Interval(s), of this completion - Top, Bottom, Name 12057' - 22375'								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		694'		17.5"		660 SKS		
9.625"		40		4952'		12.25"		1343 SKS		
7.625"		29.7		11475'		8.75"		716 SKS		
5.5"		23		22498'		6.75"		894 SKS		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET			
26. Perforation record (interval, size, and number)						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
12057 ft to 22375 ft, 1 SPF, .6 inch holes with 624 total shots						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						12057' - 22375'		48 stage frac with 24,142,567 lbs of 100 mesh sand		
28. PRODUCTION										
Date First Production 08/03/2021		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 40/64	Prod'n For Test Period	Oil - Bbl 1844	Gas - MCF 1856	Water - Bbl. 5005	Gas - Oil Ratio 1006			
Flow Tubing Press. 0	Casing Pressure 1229	Calculated 24-Hour Rate	Oil - Bbl. 1844	Gas - MCF 1856	Water - Bbl. 5005	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 				Printed 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	995		QUATERNARY					
995	1485		RUSTLER ANHYDRITE					
1485	5100		TOP OF SALT					
5100	5337		BASE OF SALT					
5337	5376		DELAWARE					
5376	6136		BELL CANYON					
6136	7629		CHERRY CANYON					
7629	8893		BRUSHY CANYON					
8893	9179		BONE SPRING					
9179	10090		AVALON					
10090	10663		BONE SPRING 1ST					
10663	11753		BONE SPRING 2ND					
11753	12006		BONE SPRING 3RD					
12006	12047		WOLFBONE					
12047			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 105347

ACKNOWLEDGMENTS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 105347
	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.

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CONDITIONS

Action 105347

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 105347
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

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