

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 25-47804	⁵ Pool Name WC-025 G-09 S243532M;WOLFBONE		⁶ Pool Code 98098
⁷ Property Code 328107	⁸ Property Name MAN HANDS FED COM		⁹ Well Number 212H

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
C	34	24-S	35-E	-	240'	NORTH	2020'	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	22	24-S	35-E	-	27'	NORTH	1677'	WEST	LEA
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 07/18/2021	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 1/18/2021	²² Ready Date 7/10/2021	²³ TD 22988'	²⁴ PBTD 22919'	²⁵ Perforations 12745' - 22850'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5"	13.375"	1004'	1155 SKS		
12.25"	9.625"	5298'	1606 SKS		
8.75"	7.625"	11698'	605 SKS		
6.75"	5.5"	22964'	1317 SKS		

V. Well Test Data

³¹ Date New Oil 07/18/2021	³² Gas Delivery Date 07/18/2021	³³ Test Date 8/1/2021	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure 0	³⁶ Csg. Pressure 3050
³⁷ Choke Size 34/64	³⁸ Oil 1986	³⁹ Water 5267	⁴⁰ Gas 2232		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: Kurt Simmons
Printed name: Bill Ramsey	Title: NMOCD, Santa Fe
Title: Regulatory Analyst	Approval Date: 10/06/2021
E-mail Address: bramsey@taprk.com	
Date: 8/19/2021	Phone: 720-238-2787

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 30-025-47804	² Pool Code 98098	³ Pool Name WC-025 G-09 S243532M:WOLFBONE
⁴ Property Code 328107	⁵ Property Name MAN HANDS FED COM	⁶ Well Number 212H
⁷ OGRID No. 372043	⁸ Operator Name TAP ROCK OPERATING, LLC.	⁹ Elevation 3280'

¹⁰Surface Location

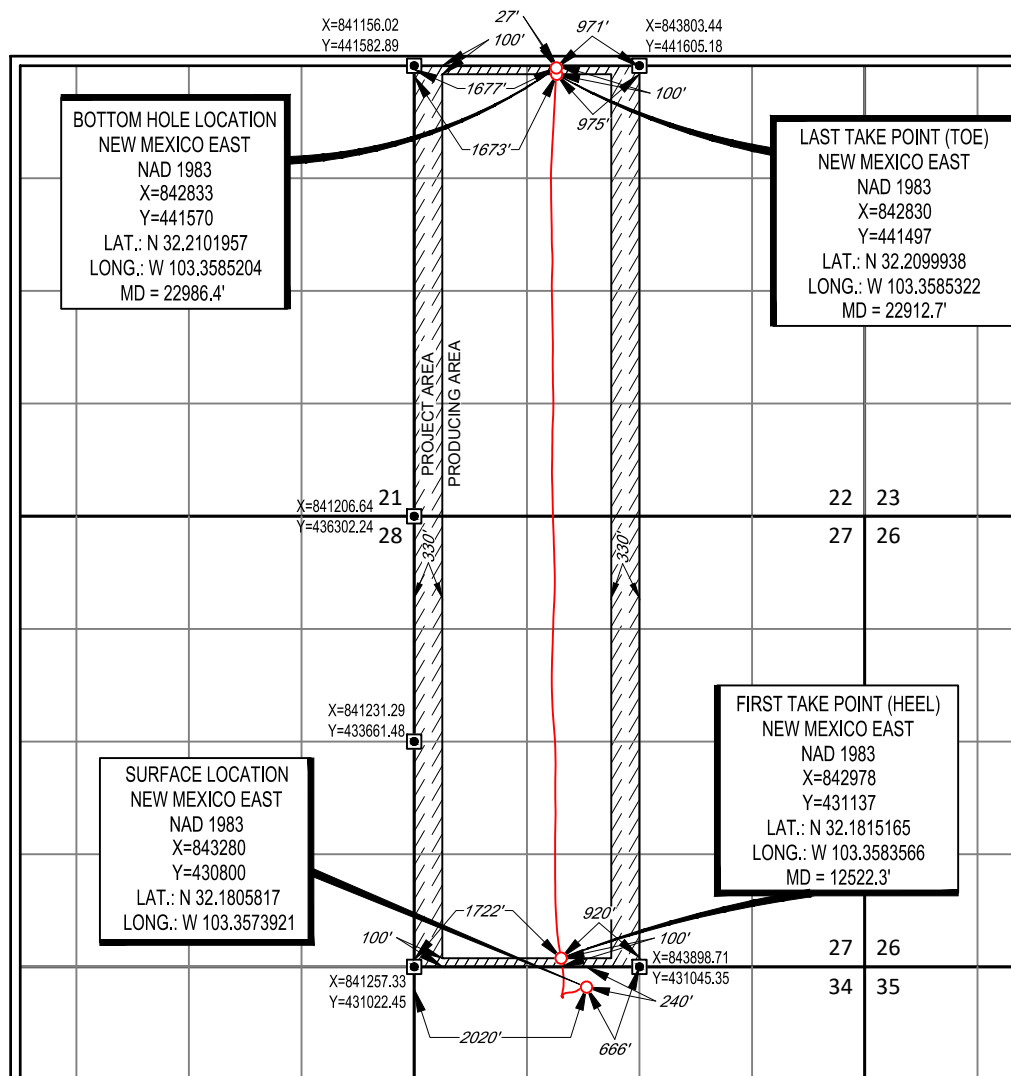
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	34	24-S	35-E	-	240'	NORTH	2020'	WEST	LEA

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	22	24-S	35-E	-	27'	NORTH	1677'	WEST	LEA

¹² Dedicated Acres 640	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.

¹⁷OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Bill Ramsey

4/19/2021

Signature

Date

Bill Ramsey

Printed Name

bramsey@taprk.com

E-mail Address

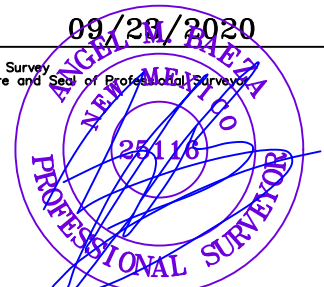
¹⁸SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.

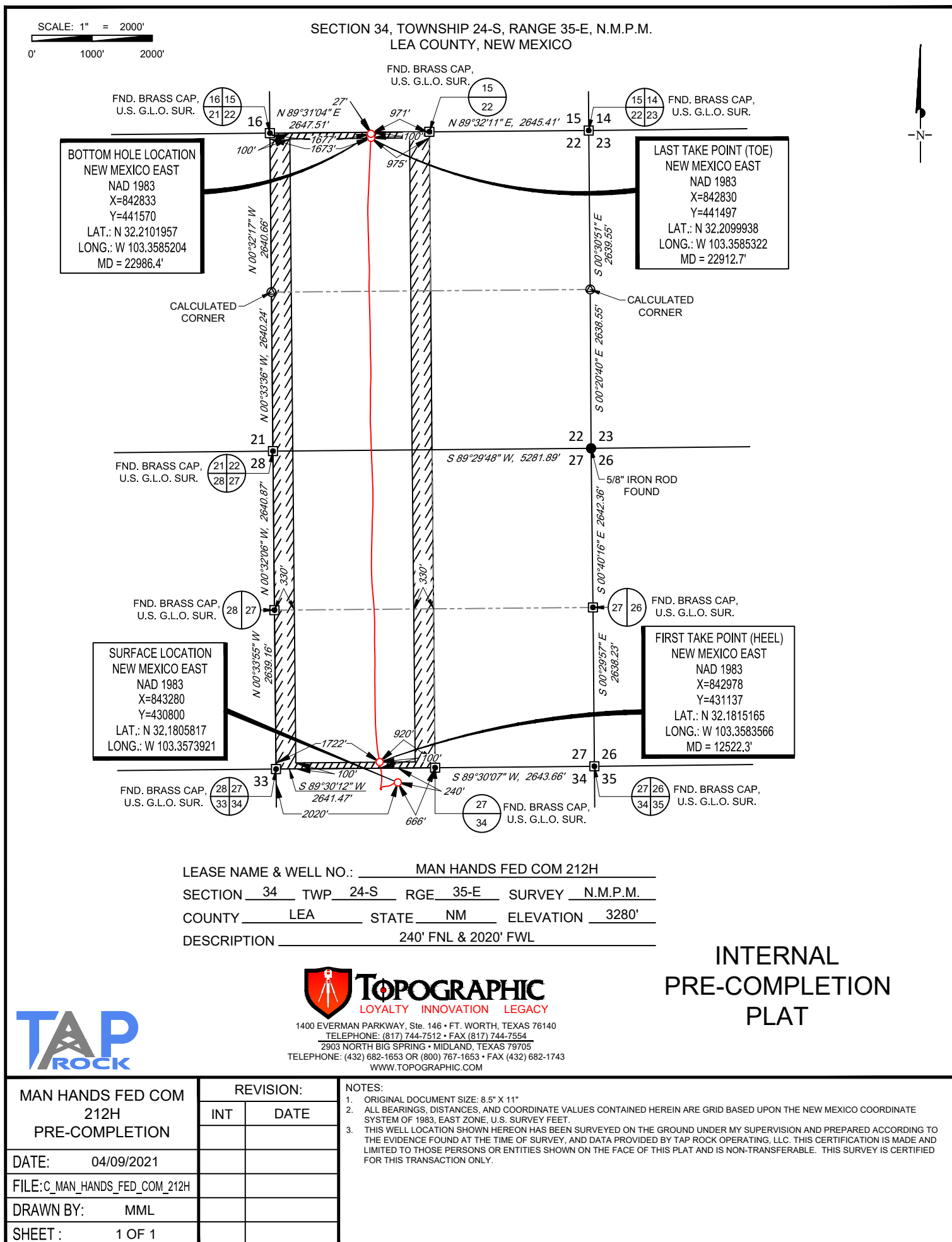
09/28/2020

Date of Survey

Signature and Seal of Professional Surveyor



Certificate Number





Operator: Taprock Resources LLC
Well Name: Man Hands Fed Com #212H
County: Lea
State: New Mexico
Rig Name: H&P 388
API: 30-025-47804

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: 233' MD – 22,918' MD
Projection to Bit: 22,988' MD
Dates Performed: 01/18/2021 – 03/15/2021
Type of Survey: MWD

Sincerely,

A handwritten signature in blue ink, appearing to read "James Burleson".

James Burleson
Vice President of MWD Operations
Intrepid Directional Drilling Specialists





Tap Rock Resources, LLC

**Lea County, NM (NAD 83 NME)
(Man Hands) Sec-27_T-24-S_R-35-E
Man Hands Fed Com #212H**

OWB

Design: AWB

Standard Survey Report

16 March, 2021





Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Man Hands Fed Com #212H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3307.0usft (H&P 388)
Site:	(Man Hands) Sec-27_T-24-S_R-35-E	MD Reference:	KB @ 3307.0usft (H&P 388)
Well:	Man Hands Fed Com #212H	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	(Man Hands) Sec-27_T-24-S_R-35-E		
Site Position:		Northing:	431,041.00 usft
From:	Map	Easting:	841,912.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 10' 52.601 N
		Longitude:	103° 21' 42.497 W
		Grid Convergence:	0.52 °

Well	Man Hands Fed Com #212H		
Well Position	+N/-S	0.0 usft	Northing: 430,800.00 usft
	+E/-W	0.0 usft	Easting: 843,280.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 10' 50.094 N
		Longitude:	103° 21' 26.606 W
		Ground Level:	3,281.0 usft

Wellbore	OWB		
Magnetics	Model Name	Sample Date	Declination (°)
	HDGM	01/20/21	6.45
			Dip Angle (°) 59.76
			Field Strength (nT) 47,651.19504643

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 (°) 359.45

Survey Program	Date	03/16/21		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
233.0	22,988.0	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
233.0	0.97	19.82	233.0	1.9	0.7	1.8	0.42	0.42	0.00
323.0	1.10	335.43	323.0	3.4	0.6	3.4	0.88	0.14	-49.32
417.0	1.23	321.72	417.0	5.0	-0.4	5.0	0.33	0.14	-14.59
508.0	0.97	17.27	507.9	6.5	-0.8	6.5	1.15	-0.29	61.04
598.0	1.49	20.78	597.9	8.3	-0.2	8.3	0.58	0.58	3.90
688.0	1.63	356.17	687.9	10.7	0.2	10.7	0.75	0.16	-27.34
779.0	1.05	356.44	778.9	12.8	0.0	12.8	0.64	-0.64	0.30
874.0	0.75	339.74	873.9	14.2	-0.2	14.2	0.42	-0.32	-17.58
915.2	1.06	332.89	915.0	14.8	-0.5	14.8	0.80	0.76	-16.64
Rustler Anhydrite									



Intrepid Survey Report



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Well:	Man Hands Fed Com #212H	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)
960.0	1.41	328.93	959.8	15.7	-1.0	15.7	0.80	0.78	-8.84
1,055.0	1.36	303.44	1,054.8	17.3	-2.5	17.3	0.65	-0.05	-26.83
1,148.0	1.32	292.63	1,147.8	18.3	-4.4	18.4	0.27	-0.04	-11.62
1,243.0	0.70	297.90	1,242.8	19.0	-6.0	19.1	0.66	-0.65	5.55
1,285.2	0.55	287.34	1,285.0	19.2	-6.4	19.3	0.45	-0.37	-25.01
Top Salt									
1,338.0	0.40	263.71	1,337.8	19.2	-6.8	19.3	0.45	-0.28	-44.78
1,432.0	0.75	284.81	1,431.8	19.4	-7.7	19.4	0.43	0.37	22.45
1,527.0	0.40	257.03	1,526.8	19.5	-8.7	19.5	0.46	-0.37	-29.24
1,621.0	0.66	236.29	1,620.8	19.1	-9.4	19.2	0.34	0.28	-22.06
1,716.0	0.62	221.79	1,715.7	18.4	-10.2	18.5	0.18	-0.04	-15.26
1,810.0	0.48	205.88	1,809.7	17.7	-10.7	17.8	0.22	-0.15	-16.93
1,904.0	0.40	198.40	1,903.7	17.0	-11.0	17.1	0.10	-0.09	-7.96
2,000.0	0.50	213.40	1,999.7	16.3	-11.3	16.4	0.16	0.10	15.63
2,094.0	2.00	235.90	2,093.7	15.1	-12.9	15.2	1.65	1.60	23.94
2,189.0	4.20	239.30	2,188.6	12.4	-17.3	12.5	2.32	2.32	3.58
2,284.0	4.50	243.20	2,283.3	8.9	-23.6	9.1	0.44	0.32	4.11
2,378.0	4.00	241.30	2,377.0	5.7	-29.8	5.9	0.55	-0.53	-2.02
2,474.0	3.40	246.10	2,472.8	2.9	-35.3	3.2	0.70	-0.63	5.00
2,569.0	2.80	248.00	2,567.7	0.9	-40.0	1.3	0.64	-0.63	2.00
2,664.0	3.30	221.80	2,662.6	-2.0	-44.0	-1.6	1.54	0.53	-27.58
2,759.0	4.30	234.20	2,757.4	-6.1	-48.7	-5.7	1.36	1.05	13.05
2,854.0	4.53	237.35	2,852.1	-10.2	-54.8	-9.7	0.35	0.24	3.32
2,949.0	3.78	240.77	2,946.8	-13.8	-60.7	-13.2	0.83	-0.79	3.60
3,044.0	3.12	241.04	3,041.6	-16.6	-65.7	-15.9	0.69	-0.69	0.28
3,138.0	3.60	245.34	3,135.5	-19.1	-70.6	-18.4	0.58	0.51	4.57
3,233.0	4.04	244.90	3,230.3	-21.7	-76.3	-21.0	0.46	0.46	-0.46
3,328.0	3.65	241.74	3,325.1	-24.6	-82.0	-23.8	0.47	-0.41	-3.33
3,423.0	4.92	240.42	3,419.8	-28.0	-88.2	-27.2	1.34	1.34	-1.39
3,518.0	5.85	240.77	3,514.4	-32.4	-96.0	-31.5	0.98	0.98	0.37
3,613.0	5.14	241.48	3,608.9	-36.8	-104.0	-35.8	0.75	-0.75	0.75
3,705.0	4.79	229.61	3,700.6	-41.2	-110.5	-40.2	1.18	-0.38	-12.90
3,800.0	3.87	228.03	3,795.3	-46.0	-115.9	-44.8	0.98	-0.97	-1.66
3,895.0	4.26	252.90	3,890.1	-49.1	-121.7	-48.0	1.88	0.41	26.18
3,988.0	4.31	256.33	3,982.8	-51.0	-128.4	-49.7	0.28	0.05	3.69
4,081.0	2.90	255.89	4,075.6	-52.4	-134.0	-51.1	1.52	-1.52	-0.47
4,176.0	2.59	263.80	4,170.5	-53.2	-138.5	-51.9	0.51	-0.33	8.33
4,272.0	4.62	252.90	4,266.3	-54.6	-144.4	-53.2	2.22	2.11	-11.35
4,367.0	5.89	251.85	4,360.9	-57.2	-152.6	-55.7	1.34	1.34	-1.11
4,463.0	5.19	250.00	4,456.5	-60.2	-161.4	-58.7	0.75	-0.73	-1.93
4,557.0	4.97	258.70	4,550.1	-62.5	-169.4	-60.8	0.85	-0.23	9.26
4,652.0	3.82	276.11	4,644.8	-62.9	-176.6	-61.2	1.84	-1.21	18.33
4,747.0	3.03	273.47	4,739.7	-62.5	-182.2	-60.7	0.85	-0.83	-2.78



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)
4,842.0	3.21	266.26	4,834.5	-62.5	-187.4	-60.7	0.45	0.19	-7.59
4,842.5	3.21	266.26	4,835.0	-62.5	-187.4	-60.7	0.00	0.00	0.00
Base Salt									
4,935.0	2.55	274.00	4,927.4	-62.5	-192.1	-60.7	0.83	-0.71	8.36
5,030.0	2.95	262.39	5,022.3	-62.7	-196.6	-60.8	0.72	0.42	-12.22
5,123.0	3.47	263.10	5,115.2	-63.3	-201.7	-61.4	0.56	0.56	0.76
5,218.0	3.52	259.49	5,210.0	-64.2	-207.5	-62.2	0.24	0.05	-3.80
5,250.0	3.25	257.82	5,241.9	-64.6	-209.3	-62.6	0.90	-0.84	-5.22
5,263.1	3.25	258.23	5,255.0	-64.7	-210.0	-62.7	0.18	-0.01	3.16
Delaware Mountain Gp									
5,268.1	3.25	258.39	5,260.0	-64.8	-210.3	-62.8	0.18	-0.01	3.16
Lamar									
5,273.1	3.25	258.55	5,265.0	-64.9	-210.6	-62.8	0.18	0.00	3.16
Bell Canyon									
5,288.1	3.25	259.03	5,280.0	-65.0	-211.4	-63.0	0.18	0.00	3.16
Ramsey Sand									
5,392.0	3.25	262.31	5,383.7	-66.0	-217.2	-63.9	0.18	0.00	3.16
5,487.0	3.30	267.58	5,478.5	-66.4	-222.6	-64.3	0.32	0.05	5.55
5,582.0	3.43	267.32	5,573.4	-66.7	-228.2	-64.5	0.14	0.14	-0.27
5,677.0	3.82	260.81	5,668.2	-67.3	-234.2	-65.1	0.60	0.41	-6.85
5,772.0	4.44	251.58	5,762.9	-69.0	-240.8	-66.7	0.95	0.65	-9.72
5,867.0	4.92	248.77	5,857.6	-71.6	-248.1	-69.3	0.56	0.51	-2.96
5,960.0	4.62	243.06	5,950.3	-74.8	-255.1	-72.3	0.60	-0.32	-6.14
6,055.0	4.04	240.60	6,045.0	-78.2	-261.5	-75.6	0.64	-0.61	-2.59
6,150.0	3.47	235.15	6,139.8	-81.4	-266.7	-78.9	0.71	-0.60	-5.74
6,190.2	3.60	232.42	6,180.0	-82.9	-268.7	-80.3	0.52	0.32	-6.77
Cherry Canyon									
6,244.0	3.78	229.08	6,233.6	-85.1	-271.4	-82.5	0.52	0.34	-6.22
6,339.0	3.52	228.21	6,328.5	-89.1	-276.0	-86.4	0.28	-0.27	-0.92
6,434.0	3.47	229.17	6,423.3	-92.9	-280.3	-90.2	0.08	-0.05	1.01
6,529.0	2.81	226.89	6,518.1	-96.4	-284.2	-93.7	0.71	-0.69	-2.40
6,624.0	2.51	224.16	6,613.0	-99.5	-287.3	-96.7	0.34	-0.32	-2.87
6,719.0	1.27	228.56	6,708.0	-101.7	-289.6	-98.9	1.31	-1.31	4.63
6,815.0	1.01	242.80	6,804.0	-102.8	-291.1	-100.0	0.40	-0.27	14.83
6,910.0	1.23	235.76	6,898.9	-103.7	-292.7	-100.9	0.27	0.23	-7.41
7,005.0	0.31	238.93	6,993.9	-104.4	-293.8	-101.6	0.97	-0.97	3.34
7,100.0	0.40	85.47	7,088.9	-104.5	-293.7	-101.7	0.73	0.09	-161.54
7,195.0	0.66	100.15	7,183.9	-104.6	-292.8	-101.8	0.31	0.27	15.45
7,290.0	0.44	108.50	7,278.9	-104.8	-291.9	-102.0	0.25	-0.23	8.79
7,385.0	0.57	111.93	7,373.9	-105.1	-291.1	-102.3	0.14	0.14	3.61
7,481.0	0.75	153.94	7,469.9	-105.8	-290.4	-103.0	0.52	0.19	43.76
7,576.0	1.01	119.31	7,564.9	-106.8	-289.4	-104.0	0.61	0.27	-36.45
7,671.0	0.92	128.71	7,659.9	-107.7	-288.1	-104.9	0.19	-0.09	9.89
7,671.1	0.92	128.71	7,660.0	-107.7	-288.1	-104.9	0.00	0.00	0.00
Brushy Canyon									



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Man Hands Fed Com #212H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3307.0usft (H&P 388)
Site:	(Man Hands) Sec-27_T-24-S_R-35-E	MD Reference:	KB @ 3307.0usft (H&P 388)
Well:	Man Hands Fed Com #212H	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)
7,766.0	0.53	134.43	7,754.9	-108.5	-287.2	-105.7	0.42	-0.41	6.03
7,859.0	0.84	153.50	7,847.9	-109.4	-286.6	-106.6	0.41	0.33	20.51
7,954.0	0.84	139.00	7,942.9	-110.5	-285.8	-107.8	0.22	0.00	-15.26
8,049.0	0.88	121.07	8,037.9	-111.4	-284.7	-108.7	0.29	0.04	-18.87
8,144.0	0.88	132.23	8,132.8	-112.3	-283.5	-109.6	0.18	0.00	11.75
8,240.0	0.79	128.19	8,228.8	-113.2	-282.5	-110.5	0.11	-0.09	-4.21
8,333.0	0.44	157.54	8,321.8	-113.9	-281.8	-111.2	0.49	-0.38	31.56
8,428.0	0.18	159.65	8,416.8	-114.4	-281.6	-111.7	0.27	-0.27	2.22
8,523.0	0.35	187.51	8,511.8	-114.8	-281.6	-112.1	0.22	0.18	29.33
8,618.0	0.26	171.08	8,606.8	-115.3	-281.6	-112.6	0.13	-0.09	-17.29
8,713.0	0.44	120.19	8,701.8	-115.7	-281.3	-113.0	0.36	0.19	-53.57
8,808.0	0.84	122.47	8,796.8	-116.3	-280.4	-113.6	0.42	0.42	2.40
8,903.0	0.62	124.14	8,891.8	-117.0	-279.4	-114.3	0.23	-0.23	1.76
8,991.2	0.78	126.71	8,980.0	-117.6	-278.5	-114.9	0.18	0.18	2.92
Bone Spring Lime									
8,998.0	0.79	126.87	8,986.8	-117.6	-278.4	-115.0	0.18	0.18	2.29
9,026.2	0.85	124.74	9,015.0	-117.9	-278.1	-115.2	0.25	0.23	-7.54
Upper Avalon									
9,093.0	1.01	120.80	9,081.8	-118.5	-277.2	-115.8	0.25	0.23	-5.90
9,188.0	0.88	123.62	9,176.8	-119.3	-275.8	-116.6	0.15	-0.14	2.97
9,276.2	0.88	138.89	9,265.0	-120.2	-274.8	-117.5	0.26	0.00	17.31
Middle Avalon									
9,283.0	0.88	140.05	9,271.8	-120.3	-274.8	-117.6	0.26	0.04	17.11
9,378.0	0.88	134.51	9,366.8	-121.3	-273.8	-118.7	0.09	0.00	-5.83
9,473.0	0.35	109.55	9,461.7	-121.9	-273.0	-119.3	0.61	-0.56	-26.27
9,568.0	0.04	107.80	9,556.7	-122.0	-272.7	-119.4	0.33	-0.33	-1.84
9,663.0	0.22	323.39	9,651.7	-121.9	-272.8	-119.3	0.27	0.19	-152.01
9,711.3	0.35	312.60	9,700.0	-121.7	-272.9	-119.1	0.29	0.27	-22.36
Lower Avalon									
9,758.0	0.48	307.83	9,746.7	-121.5	-273.2	-118.9	0.29	0.28	-10.20
9,853.0	0.62	324.80	9,841.7	-120.9	-273.8	-118.2	0.22	0.15	17.86
9,949.0	0.70	319.79	9,937.7	-120.0	-274.5	-117.3	0.10	0.08	-5.22
10,044.0	0.75	301.86	10,032.7	-119.2	-275.4	-116.6	0.24	0.05	-18.87
10,138.0	1.14	229.61	10,126.7	-119.5	-276.6	-116.8	1.23	0.41	-76.86
10,206.3	1.42	231.23	10,195.0	-120.5	-277.8	-117.8	0.42	0.42	2.38
1st Bone Spring Sand									
10,234.0	1.54	231.72	10,222.7	-120.9	-278.3	-118.2	0.42	0.42	1.76
10,329.0	1.41	292.45	10,317.7	-121.3	-280.4	-118.6	1.57	-0.14	63.93
10,424.0	1.27	305.72	10,412.6	-120.2	-282.4	-117.5	0.36	-0.15	13.97
10,451.4	1.15	311.78	10,440.0	-119.8	-282.8	-117.1	0.65	-0.45	22.14
2nd Bone Spring Carb									
10,519.0	0.92	332.88	10,507.6	-118.9	-283.6	-116.2	0.65	-0.33	31.20
10,614.0	0.88	357.84	10,602.6	-117.5	-283.9	-114.8	0.41	-0.04	26.27
10,709.0	0.84	59.02	10,697.6	-116.4	-283.4	-113.7	0.92	-0.04	64.40



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Well:	Man Hands Fed Com #212H	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)
10,766.4	0.87	75.57	10,755.0	-116.1	-282.6	-113.4	0.43	0.05	28.83
2nd Bone Spring Sand									
10,804.0	0.92	85.38	10,792.6	-116.0	-282.0	-113.3	0.43	0.14	26.09
10,896.0	1.10	48.82	10,884.6	-115.3	-280.6	-112.6	0.71	0.20	-39.74
10,990.0	1.36	41.09	10,978.6	-113.9	-279.2	-111.2	0.33	0.28	-8.22
11,084.0	1.49	38.98	11,072.5	-112.1	-277.7	-109.4	0.15	0.14	-2.24
11,179.0	1.10	306.25	11,167.5	-110.6	-277.7	-107.9	1.99	-0.41	-97.61
11,275.0	1.41	311.53	11,263.5	-109.3	-279.3	-106.6	0.34	0.32	5.50
11,296.5	1.23	312.85	11,285.0	-109.0	-279.7	-106.3	0.86	-0.84	6.12
3rd Bone Spring Carb									
11,370.0	0.62	323.13	11,358.5	-108.1	-280.5	-105.4	0.86	-0.83	13.99
11,463.0	1.54	324.97	11,451.5	-106.7	-281.5	-104.0	0.99	0.99	1.98
11,557.0	1.58	340.79	11,545.4	-104.4	-282.6	-101.7	0.46	0.04	16.83
11,652.0	1.67	350.20	11,640.4	-101.8	-283.3	-99.1	0.30	0.09	9.91
11,746.0	1.80	354.77	11,734.3	-99.0	-283.7	-96.3	0.20	0.14	4.86
11,798.0	1.67	358.28	11,786.3	-97.4	-283.8	-94.7	0.32	-0.25	6.75
11,889.0	5.49	357.67	11,877.1	-91.8	-284.0	-89.0	4.20	4.20	-0.67
11,982.0	20.70	8.48	11,967.4	-70.9	-281.7	-68.2	16.50	16.35	11.62
12,034.3	28.46	9.44	12,015.0	-49.4	-278.3	-46.8	14.85	14.83	1.84
3rd Bone Spring Sand									
12,073.0	34.20	9.89	12,048.0	-29.6	-274.9	-27.0	14.85	14.84	1.16
12,120.0	44.31	7.60	12,084.4	-0.3	-270.5	2.3	21.73	21.51	-4.87
12,168.0	49.71	1.97	12,117.1	34.7	-267.6	37.3	14.14	11.25	-11.73
12,180.3	50.41	1.31	12,125.0	44.1	-267.4	46.7	6.99	5.67	-5.34
3rd BS W Sand									
12,259.0	54.95	357.40	12,172.7	106.7	-268.1	109.2	6.99	5.77	-4.97
12,308.8	58.53	354.25	12,200.0	148.1	-271.2	150.7	8.93	7.20	-6.32
Wolfcamp A X Sand									
12,354.0	61.85	351.60	12,222.5	187.1	-276.0	189.7	8.93	7.34	-5.87
12,381.0	62.83	351.13	12,235.0	210.7	-279.6	213.4	3.94	3.63	-1.73
Wolfcamp A Y Sand									
12,447.0	65.23	350.02	12,263.9	269.3	-289.3	272.0	3.94	3.64	-1.68
12,542.0	65.63	349.67	12,303.4	354.3	-304.6	357.2	0.54	0.42	-0.37
12,545.8	65.80	349.71	12,305.0	357.7	-305.2	360.7	4.54	4.44	1.07
Wolfcamp A Lower									
12,635.0	69.76	350.64	12,338.7	439.1	-319.3	442.1	4.54	4.44	1.04
12,730.0	76.13	351.34	12,366.6	528.7	-333.5	531.9	6.74	6.71	0.74
12,755.0	80.48	351.60	12,371.6	552.9	-337.1	556.1	17.43	17.40	1.04
12,825.0	90.37	353.98	12,377.2	622.0	-345.8	625.3	14.53	14.13	3.40
12,920.0	92.18	355.73	12,375.1	716.6	-354.4	720.0	2.65	1.91	1.84
13,016.0	91.87	355.47	12,371.7	812.3	-361.7	815.7	0.42	-0.32	-0.27
13,110.0	93.05	356.97	12,367.7	906.0	-367.9	909.5	2.03	1.26	1.60
13,204.0	91.34	358.11	12,364.1	999.8	-371.9	1,003.4	2.19	-1.82	1.21
13,298.0	91.82	358.81	12,361.5	1,093.8	-374.5	1,097.3	0.90	0.51	0.74



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Well:	Man Hands Fed Com #212H	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)
13,393.0	91.56	359.07	12,358.7	1,188.7	-376.2	1,192.3	0.39	-0.27	0.27
13,486.0	90.33	359.34	12,357.1	1,281.7	-377.5	1,285.3	1.35	-1.32	0.29
13,579.0	86.02	359.51	12,360.1	1,374.6	-378.4	1,378.2	4.64	-4.63	0.18
13,674.0	86.99	359.51	12,365.9	1,469.4	-379.3	1,473.0	1.02	1.02	0.00
13,769.0	88.66	359.43	12,369.5	1,564.4	-380.1	1,567.9	1.76	1.76	-0.08
13,864.0	92.13	359.34	12,368.8	1,659.3	-381.2	1,662.9	3.65	3.65	-0.09
13,958.0	89.01	0.39	12,367.9	1,753.3	-381.4	1,756.9	3.50	-3.32	1.12
14,053.0	89.05	0.66	12,369.5	1,848.3	-380.5	1,851.9	0.29	0.04	0.28
14,148.0	89.63	0.57	12,370.6	1,943.3	-379.5	1,946.8	0.62	0.61	-0.09
14,243.0	87.69	359.07	12,372.8	2,038.3	-379.8	2,041.8	2.58	-2.04	-1.58
14,338.0	87.91	358.64	12,376.5	2,133.2	-381.7	2,136.7	0.51	0.23	-0.45
14,433.0	91.38	358.37	12,377.1	2,228.1	-384.2	2,231.7	3.66	3.65	-0.28
14,529.0	88.84	0.13	12,376.9	2,324.1	-385.4	2,327.7	3.22	-2.65	1.83
14,623.0	87.74	359.95	12,379.7	2,418.0	-385.4	2,421.6	1.19	-1.17	-0.19
14,718.0	86.95	0.22	12,384.1	2,512.9	-385.2	2,516.5	0.88	-0.83	0.28
14,814.0	87.25	0.04	12,388.9	2,608.8	-385.0	2,612.4	0.36	0.31	-0.19
14,909.0	87.60	358.90	12,393.2	2,703.7	-385.9	2,707.3	1.25	0.37	-1.20
15,005.0	87.87	357.32	12,397.0	2,799.6	-389.0	2,803.2	1.67	0.28	-1.65
15,100.0	89.41	355.82	12,399.3	2,894.4	-394.7	2,898.0	2.26	1.62	-1.58
15,196.0	92.48	355.47	12,397.7	2,990.1	-402.0	2,993.8	3.22	3.20	-0.36
15,290.0	95.60	354.77	12,391.1	3,083.5	-410.0	3,087.3	3.40	3.32	-0.74
15,384.0	95.34	354.94	12,382.1	3,176.7	-418.4	3,180.6	0.33	-0.28	0.18
15,478.0	96.57	355.91	12,372.3	3,269.9	-425.8	3,273.8	1.66	1.31	1.03
15,573.0	93.19	357.93	12,364.3	3,364.4	-430.9	3,368.4	4.14	-3.56	2.13
15,668.0	90.02	356.97	12,361.6	3,459.2	-435.1	3,463.3	3.49	-3.34	-1.01
15,763.0	92.88	0.04	12,359.2	3,554.2	-437.6	3,558.2	4.42	3.01	3.23
15,857.0	94.29	359.87	12,353.3	3,648.0	-437.7	3,652.0	1.51	1.50	-0.18
15,952.0	93.63	0.83	12,346.8	3,742.7	-437.1	3,746.8	1.22	-0.69	1.01
16,047.0	90.46	0.92	12,343.4	3,837.7	-435.7	3,841.7	3.34	-3.34	0.09
16,141.0	87.69	1.54	12,344.9	3,931.6	-433.6	3,935.6	3.02	-2.95	0.66
16,236.0	87.91	1.89	12,348.5	4,026.5	-430.8	4,030.5	0.43	0.23	0.37
16,331.0	89.36	1.36	12,350.8	4,121.4	-428.1	4,125.4	1.63	1.53	-0.56
16,425.0	91.08	1.18	12,350.4	4,215.4	-426.0	4,219.3	1.84	1.83	-0.19
16,519.0	92.13	1.10	12,347.8	4,309.4	-424.2	4,313.2	1.12	1.12	-0.09
16,642.0	90.59	2.77	12,344.9	4,432.2	-420.0	4,436.1	1.85	-1.25	1.36
16,736.0	87.74	2.06	12,346.2	4,526.1	-416.0	4,529.9	3.12	-3.03	-0.76
16,830.0	87.12	1.10	12,350.5	4,620.0	-413.5	4,623.8	1.21	-0.66	-1.02
16,924.0	88.00	0.22	12,354.5	4,713.9	-412.4	4,717.7	1.32	0.94	-0.94
17,019.0	88.31	358.99	12,357.5	4,808.9	-413.0	4,812.6	1.33	0.33	-1.29
17,113.0	91.69	358.02	12,357.5	4,902.8	-415.5	4,906.6	3.74	3.60	-1.03
17,208.0	92.04	357.84	12,354.4	4,997.7	-418.9	5,001.5	0.41	0.37	-0.19
17,302.0	93.49	357.67	12,349.9	5,091.5	-422.6	5,095.3	1.55	1.54	-0.18
17,396.0	94.20	357.67	12,343.6	5,185.2	-426.4	5,189.1	0.76	0.76	0.00
17,490.0	94.07	357.67	12,336.8	5,278.9	-430.2	5,282.8	0.14	-0.14	0.00



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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)
17,585.0	94.29	357.40	12,329.9	5,373.6	-434.3	5,377.5	0.37	0.23	-0.28
17,679.0	93.76	357.58	12,323.3	5,467.2	-438.4	5,471.2	0.60	-0.56	0.19
17,774.0	93.14	358.11	12,317.6	5,562.0	-442.0	5,566.0	0.86	-0.65	0.56
17,869.0	92.48	358.55	12,312.9	5,656.8	-444.7	5,660.9	0.83	-0.69	0.46
17,964.0	91.03	358.37	12,310.0	5,751.8	-447.3	5,755.8	1.54	-1.53	-0.19
18,058.0	89.85	357.93	12,309.3	5,845.7	-450.3	5,849.8	1.34	-1.26	-0.47
18,152.0	88.53	356.97	12,310.6	5,939.6	-454.5	5,943.7	1.74	-1.40	-1.02
18,247.0	91.21	359.51	12,310.8	6,034.5	-457.4	6,038.7	3.89	2.82	2.67
18,341.0	94.51	1.62	12,306.1	6,128.4	-456.5	6,132.5	4.17	3.51	2.24
18,436.0	89.54	359.43	12,302.8	6,223.3	-455.6	6,227.4	5.72	-5.23	-2.31
18,531.0	91.12	0.74	12,302.2	6,318.3	-455.5	6,322.4	2.16	1.66	1.38
18,626.0	89.58	0.13	12,301.7	6,413.3	-454.8	6,417.4	1.74	-1.62	-0.64
18,722.0	90.33	0.22	12,301.7	6,509.3	-454.5	6,513.3	0.79	0.78	0.09
18,816.0	94.11	3.03	12,298.1	6,603.2	-451.8	6,607.2	5.01	4.02	2.99
18,912.0	92.66	1.18	12,292.4	6,698.9	-448.3	6,702.9	2.45	-1.51	-1.93
19,006.0	91.34	0.04	12,289.1	6,792.8	-447.3	6,796.8	1.85	-1.40	-1.21
19,101.0	90.86	359.43	12,287.3	6,887.8	-447.7	6,891.8	0.82	-0.51	-0.64
19,196.0	91.38	357.23	12,285.5	6,982.8	-450.5	6,986.8	2.38	0.55	-2.32
19,291.0	92.66	358.46	12,282.1	7,077.6	-454.1	7,081.7	1.87	1.35	1.29
19,387.0	93.63	359.34	12,276.8	7,173.5	-455.9	7,177.5	1.36	1.01	0.92
19,481.0	91.47	358.99	12,272.7	7,267.4	-457.3	7,271.4	2.33	-2.30	-0.37
19,574.0	91.30	359.78	12,270.4	7,360.3	-458.3	7,364.4	0.87	-0.18	0.85
19,669.0	89.41	0.04	12,269.8	7,455.3	-458.4	7,459.4	2.01	-1.99	0.27
19,761.0	89.93	358.81	12,270.4	7,547.3	-459.3	7,551.4	1.45	0.57	-1.34
19,856.0	86.95	358.28	12,272.9	7,642.2	-461.8	7,646.3	3.19	-3.14	-0.56
19,951.0	87.78	358.28	12,277.3	7,737.1	-464.6	7,741.2	0.87	0.87	0.00
20,046.0	88.92	358.81	12,280.0	7,832.0	-467.0	7,836.1	1.32	1.20	0.56
20,139.0	89.67	358.55	12,281.2	7,925.0	-469.2	7,929.1	0.85	0.81	-0.28
20,234.0	93.85	358.81	12,278.3	8,019.9	-471.3	8,024.0	4.41	4.40	0.27
20,329.0	91.25	356.97	12,274.0	8,114.7	-474.8	8,118.9	3.35	-2.74	-1.94
20,424.0	91.08	359.34	12,272.1	8,209.6	-477.9	8,213.9	2.50	-0.18	2.49
20,519.0	93.01	1.71	12,268.7	8,304.6	-477.0	8,308.8	3.22	2.03	2.49
20,614.0	92.57	2.50	12,264.1	8,399.4	-473.5	8,403.6	0.95	-0.46	0.83
20,709.0	91.78	0.22	12,260.5	8,494.3	-471.3	8,498.4	2.54	-0.83	-2.40
20,804.0	89.58	356.44	12,259.4	8,589.2	-474.1	8,593.4	4.60	-2.32	-3.98
20,896.0	91.03	357.49	12,258.9	8,681.1	-478.9	8,685.3	1.95	1.58	1.14
20,991.0	93.71	359.25	12,254.9	8,776.0	-481.6	8,780.2	3.37	2.82	1.85
21,086.0	94.07	358.90	12,248.5	8,870.7	-483.2	8,875.0	0.53	0.38	-0.37
21,181.0	90.99	357.93	12,244.3	8,965.6	-485.8	8,969.8	3.40	-3.24	-1.02
21,277.0	93.71	358.64	12,240.4	9,061.5	-488.7	9,065.7	2.93	2.83	0.74
21,371.0	92.57	358.28	12,235.2	9,155.3	-491.2	9,159.6	1.27	-1.21	-0.38
21,466.0	93.05	358.64	12,230.6	9,250.1	-493.7	9,254.4	0.63	0.51	0.38
21,562.0	93.01	359.07	12,225.5	9,346.0	-495.6	9,350.3	0.45	-0.04	0.45



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Man Hands Fed Com #212H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3307.0usft (H&P 388)
Site:	(Man Hands) Sec-27_T-24-S_R-35-E	MD Reference:	KB @ 3307.0usft (H&P 388)
Well:	Man Hands Fed Com #212H	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)
21,655.0	89.23	358.37	12,223.7	9,438.9	-497.7	9,443.3	4.13	-4.06	-0.75
21,750.0	91.47	1.45	12,223.1	9,533.9	-497.9	9,538.2	4.01	2.36	3.24
21,845.0	90.95	1.71	12,221.1	9,628.8	-495.2	9,633.1	0.61	-0.55	0.27
21,941.0	90.86	2.94	12,219.6	9,724.7	-491.4	9,729.0	1.28	-0.09	1.28
22,036.0	90.11	2.41	12,218.8	9,819.6	-486.9	9,823.9	0.97	-0.79	-0.56
22,131.0	91.16	3.03	12,217.7	9,914.5	-482.4	9,918.7	1.28	1.11	0.65
22,226.0	88.48	1.97	12,218.0	10,009.4	-478.3	10,013.5	3.03	-2.82	-1.12
22,320.0	89.89	2.85	12,219.4	10,103.3	-474.3	10,107.4	1.77	1.50	0.94
22,415.0	89.45	1.89	12,219.9	10,198.2	-470.4	10,202.3	1.11	-0.46	-1.01
22,512.0	91.65	3.12	12,219.0	10,295.1	-466.2	10,299.1	2.60	2.27	1.27
22,605.0	91.34	2.50	12,216.5	10,388.0	-461.6	10,391.9	0.75	-0.33	-0.67
22,700.0	91.78	2.41	12,214.0	10,482.9	-457.5	10,486.8	0.47	0.46	-0.09
22,795.0	91.25	1.89	12,211.4	10,577.8	-454.0	10,581.6	0.78	-0.56	-0.55
22,888.0	91.78	2.06	12,209.0	10,670.7	-450.8	10,674.5	0.60	0.57	0.18
22,918.0	93.10	2.33	12,207.7	10,700.6	-449.6	10,704.5	4.49	4.40	0.90
22,988.0	93.10	2.33	12,203.9	10,770.5	-446.8	10,774.3	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
LTP (Man Hands Fed - hit/miss target - Shape	0.00	0.00	12,263.6	10,697.0	-473.0	441,497.00	842,807.00	32° 12' 35.980 N	103° 21' 30.981 W
- actual wellpath misses target center by 60.2usft at 22911.1usft MD (12208.1 TVD, 10693.7 N, -449.9 E)									
- Point									
PBHL (Man Hands Fe - actual wellpath misses target center by 65.2usft at 22980.2usft MD (12204.3 TVD, 10762.7 N, -447.1 E)	-0.80	359.45	12,263.6	10,767.0	-474.0	441,567.00	842,806.00	32° 12' 36.673 N	103° 21' 30.986 W
- Rectangle (sides W100.0 H10,431.0 D20.0)									
FTP (Man Hands Fed - actual wellpath misses target center by 102.2usft at 12566.6usft MD (12313.4 TVD, 376.5 N, -308.6 E)	0.00	0.00	12,381.3	337.0	-374.0	431,137.00	842,906.00	32° 10' 53.462 N	103° 21' 30.922 W
- Point									



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Man Hands Fed Com #212H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3307.0usft (H&P 388)
Site:	(Man Hands) Sec-27_T-24-S_R-35-E	MD Reference:	KB @ 3307.0usft (H&P 388)
Well:	Man Hands Fed Com #212H	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 (°)
915.2	915.0	Rustler Anhydrite			
1,285.2	1,285.0	Top Salt			
4,842.5	4,835.0	Base Salt			
5,263.1	5,255.0	Delaware Mountain Gp			
5,268.1	5,260.0	Lamar			
5,273.1	5,265.0	Bell Canyon			
5,288.1	5,280.0	Ramsey Sand			
6,190.2	6,180.0	Cherry Canyon			
7,671.1	7,660.0	Brushy Canyon			
8,991.2	8,980.0	Bone Spring Lime			
9,026.2	9,015.0	Upper Avalon			
9,276.2	9,265.0	Middle Avalon			
9,711.3	9,700.0	Lower Avalon			
10,206.3	10,195.0	1st Bone Spring Sand			
10,451.4	10,440.0	2nd Bone Spring Carb			
10,766.4	10,755.0	2nd Bone Spring Sand			
11,296.5	11,285.0	3rd Bone Spring Carb			
12,034.3	12,015.0	3rd Bone Spring Sand			
12,180.3	12,125.0	3rd BS W Sand			
12,308.8	12,200.0	Wolfcamp A X Sand			
12,381.0	12,235.0	Wolfcamp A Y Sand			
12,545.8	12,305.0	Wolfcamp A Lower			

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
12,523.1	12,295.6	337.4	-301.5	FTP @ 12523.1'MD, 100'FSL & 1722.2'FWL
22,914.4	12,207.9	10,697.0	-449.8	LTP @ 22914.4'MD, 100'FNL & 1673.3'FWL
22,918.0	12,207.7	10,700.6	-449.6	LAST SVY
22,988.0	12,203.9	10,770.5	-446.8	Projection to TD @ 22988'MD, 26.5'FNL & 1677'FWL

Checked By: _____ Approved By: _____ Date: _____

Well Name: MAN HANDS FED COM	Well Location: T24S / R35E / SEC 34 / NENW / 32.1805817 / -103.357392	County or Parish/State: LEA / NM
Well Number: 212H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM138890	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002547804	Well Status: Drilling Well	Operator: TAP ROCK OPERATING LLC

Subsequent Report

Type of Submission: Subsequent Report	Type of Action: Drilling Operations
Date Sundry Submitted: 07/28/2021	Time Sundry Submitted: 03:28
Date Operation Actually Began: 05/26/2021	

Actual Procedure: 3/15/2021: TD Reached at 22988 ft MD, 12204 ft TVD. Plug Back Measured depth at 22919 ft MD, 12210 ft TVD. Rig Release on 3/18/2021 at 12:00. 5/26/2021: Pressure test casing to 5000 psi for 30 minutes, good test. 5/28/2021 to 6/23/2021: Perforate from 12745 ft to 22850 ft, 1 SPF, .6 inch holes with 624 total shots. 48 stage frac with 23,641,531 lbs of 100 mesh sand. 7/5/2021 to 7/9/2021: Drill out plugs. 7/10/2021: Ready to produce. Formation Tops (True Vertical Depth): Formation TVD Rustler 631 Top of Salt 1,225 Base of Salt 4,936 Delaware 5,172 Lamar 5,218 Bell 5,250 Ramsey 5,293 Cherry 6,122 Brushy 7,715 Bone Spring 8,993 Upper Avalon 9,022 Middle Avalon 9,232 Lower Avalon 9,827 1st Bone Spring Sand 10,232 2nd Bone Spring Sand 10,829 3rd Bone Spring Sand 11,867 Bone Spring W 12,161 Wolf Camp A X 12,232 Wolf Camp A Y 12,263 Wolfcamp A Lower 12,331 Request for OCD extension of time to file BLM approved Form 3160-4.

Well Name: MAN HANDS FED COM	Well Location: T24S / R35E / SEC 34 / NENW / 32.1805817 / -103.357392	County or Parish/State: LEA / NM
Well Number: 212H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM138890	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002547804	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: JUL 28, 2021 03:28 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 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 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. 30-025-47804																		
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 Man Hands Fed Com										
								6. Well Number: 212H										
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:	C	34	24-S	35-E	-	240'	N	2020'	W	LEA								
BH:	C	22	24-S	35-E	-	27'	N	1677'	W	LEA								
13. Date Spudded 1/18/2021	14. Date T.D. Reached 3/15/2021		15. Date Rig Released 3/18/2021			16. Date Completed (Ready to Produce) 7/10/2021		17. Elevations (DF and RKB, RT, GR, etc.) 3280 GR										
18. Total Measured Depth of Well 22988'			19. Plug Back Measured Depth 22919'			20. Was Directional Survey Made? YES		21. Type Electric and Other Logs Run GAMMA										
22. Producing Interval(s), of this completion - Top, Bottom, Name 12745' - 22850'							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		1004'		17.5"		1155 SKS										
9.625"		40		5298'		12.25"		1606 SKS										
7.625"		29.7		11698'		8.75"		605 SKS										
5.5"		23		22964'		6.75"		1317 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) 12745 ft to 22850 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>12745' - 22850'</td> <td>48 stage frac with 23,641,531 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	12745' - 22850'	48 stage frac with 23,641,531 lbs of 100 mesh sand				
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED																	
12745' - 22850'	48 stage frac with 23,641,531 lbs of 100 mesh sand																	
28. PRODUCTION																		
Date First Production 7/18/2021		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing												
Date of Test 8/1/2021	Hours Tested 24	Choke Size 34/64	Prod'n For Test Period	Oil - Bbl 1986	Gas - MCF 2232	Water - Bbl. 5267	Gas - Oil Ratio 1124											
Flow Tubing Press. 0	Casing Pressure 3050	Calculated 24-Hour Rate	Oil - Bbl. 1986	Gas - MCF 2232	Water - Bbl. 5267	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																		
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 8/18/2021									
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	631		Quaternary					
631	1225		Rustler					
1225	4936		Top of Salt					
4936	5218		Base of Salt					
5218	5250		Lamar					
5250	6133		Bell Canyon					
6133	7727		Cherry Canyon					
7727	9004		Brushy Canyon					
9004	9243		Bonespring Lime					
9243	10244		Avalon Sand					
10244	10840		Bone Spring 1st					
10840	11879		Bone Spring 2nd					
11879	12279		Bone Spring 3rd					
12279	12615		Wolfcamp					
12615		+	+					
			Wolfcamp A Lower					

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 43381

ACKNOWLEDGMENTS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 43381
	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
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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 43381

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 43381
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
ksimmons	None	10/6/2021