

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 ResourcesForm C-104
Revised August 1, 2011Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

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

¹ Operator name and Address TAP ROCK OPERATING, LLC 523 PARK POINT DRIVE, SUITE 200 GOLDEN, CO 80401		² OGRID Number 372043
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 0 25-48609	⁵ Pool Name WC-025 G-09 S263504N; WOLFCAMP	⁶ Pool Code 98117
⁷ Property Code 329955	⁸ Property Name TALCO STATE FED COM	⁹ Well Number 211H

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
D	16	26-S	35-E	-	306'	NORTH	1315'	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
M	21	26-S	35-E	-	23'	SOUTH	296'	WEST	LEA
¹² Lse Code S/F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 12/4/2021	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
14021	MARATHON OIL CO P.O. BOX 552 MIDLAND, TX 79701	O
371960	LUCID ENERGY GROUP 3100 MCKINNON ST #800 DALLAS, TX 75201	G

IV. Well Completion Data

²¹ Spud Date 6/13/2021	²² Ready Date 12/4/2021	²³ TD 23075'	²⁴ PBTB 23006'	²⁵ Perforations 12780 ft to 22921 ft	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5"	13.375"	1111'	985 sks		
9.875"/8.75"	7.625"	9626'/12155'	1289 sks		
6.75"	5.5"	23055'	970 sks		

V. Well Test Data

³¹ Date New Oil 2/5/2022	³² Gas Delivery Date 2/5/2022	³³ Test Date 2/14/2022	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 0	³⁶ Csg. Pressure 2000
³⁷ Choke Size 34/64	³⁸ Oil 1454	³⁹ Water 4542	⁴⁰ Gas 2043		⁴¹ Test Method Flowing
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: 			OIL CONSERVATION DIVISION		
Printed name: Jeff Trlica			Approved by: PATRICIA MARTINEZ		
Title: Regulatory Analyst			Title: PETROLEUM SPECIALIST		
E-mail Address: jtrlica@taprk.com			Approval Date: 7/11/2022		
Date: 2/15/2021		Phone: 720-772-5910			

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

AS-DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-48609	² Pool Code 98117	³ Pool Name WC-025 G-09 S263504N; WOLFCAMP
⁴ Property Code 329955	⁵ Property Name TALCO STATE FED COM	⁶ Well Number 211H
⁷ OGRID No. #372043	⁸ Operator Name TAP ROCK OPERATING, LLC.	⁹ Elevation 3200'

¹⁰Surface Location

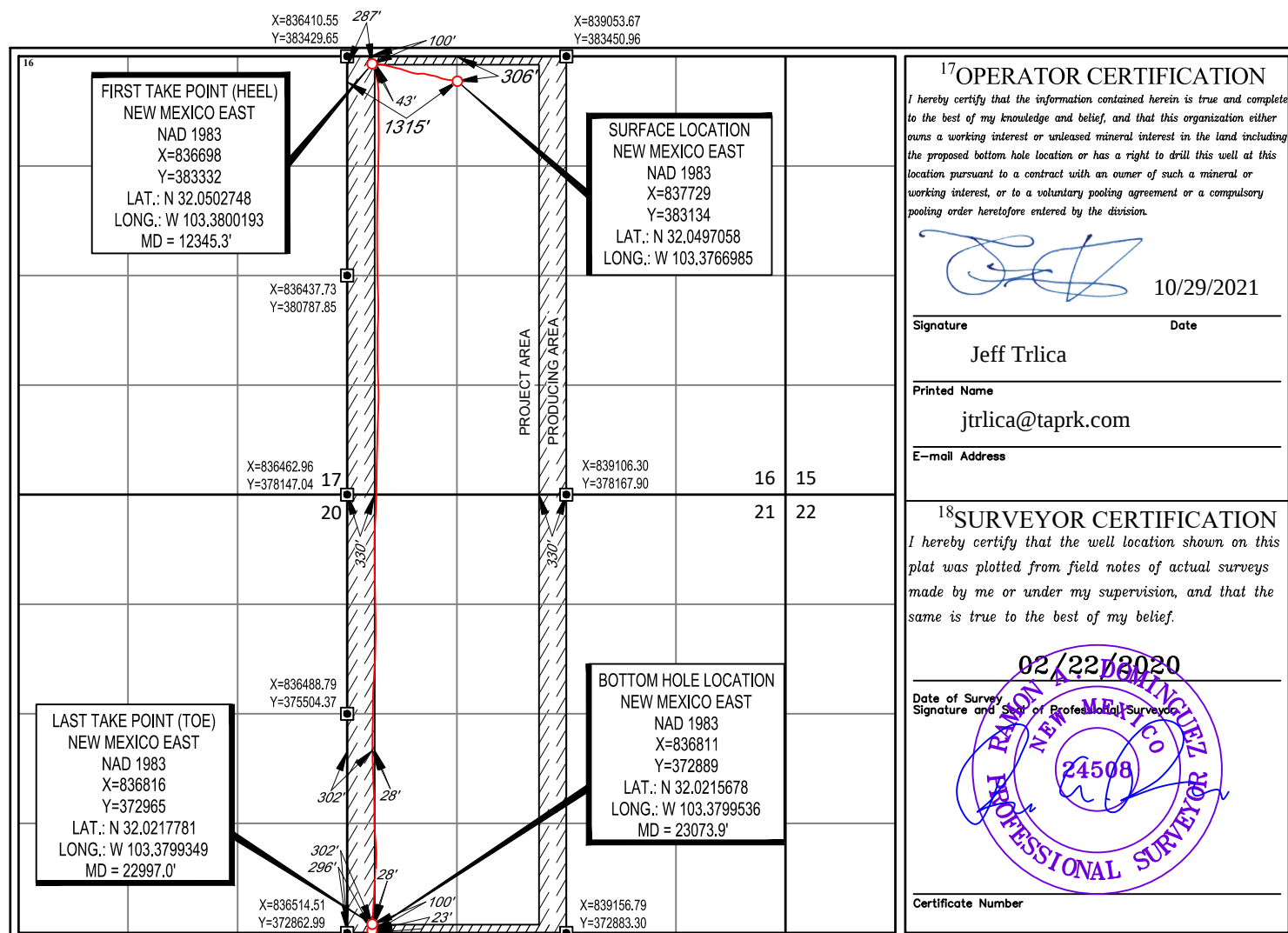
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	16	26-S	35-E	-	306'	NORTH	1315'	WEST	LEA

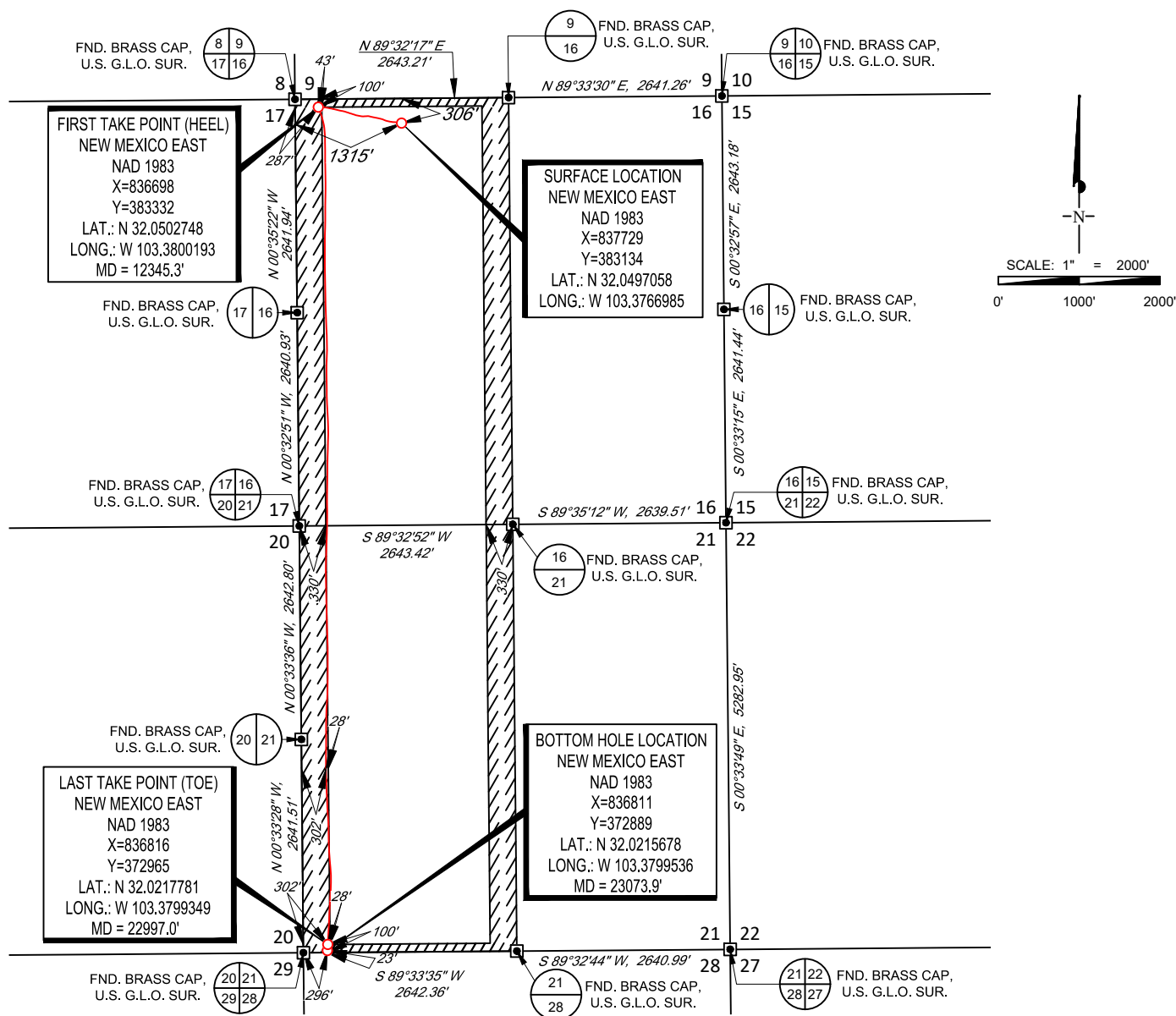
¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	21	26-S	35-E	-	23'	SOUTH	296'	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.



SECTION 16, TOWNSHIP 26-S, RANGE 35-E, N.M.P.M.
LEA COUNTY, NEW MEXICO

LEASE NAME & WELL NO.: TALCO STATE FED COM 211H
 SECTION 16 TWP 26-S RGE 35-E SURVEY N.M.P.M.
 COUNTY LEA STATE NM ELEVATION 3200'
 DESCRIPTION 306' FNL & 1315' FWL



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

**INTERNAL
PRE-COMPLETION
PLAT**

TALCO STATE FED COM 211H PRE-COMPLETION	REVISION:		NOTES:
	INT	DATE	
DATE: 10/25/2021			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.
FILE: C:\TALCO_STATE_FED_COM_211H			
DRAWN BY: IMU			
SHEET: 2 OF 2			

S:\SURVEY\TAPROCK\TALCO_STATE\FINAL_PRODUCTS\TALCO_STATE_FED_COM_211H.DWG 10/28/2021 1:28:12 PM kmatheny



Operator: TapRock Resources LLC
Well Name: Talco State Fed Com #211H
County: Lea
State: New Mexico
Rig Name: H&P 425
API: 30-025-48609

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: 152' MD – 23,010' MD
Projection to Bit: 23,075' MD
Dates Performed: 06/13/2021 – 07/03/2021
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)
(Talco) Sec-16_T-26-S_R-35-E
Talco State Fed Com #211H**

OWB

Design: AWB

Standard Survey Report

06 July, 2021





Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Talco State Fed Com #211H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3226.0usft (H&P 425)
Site:	(Talco) Sec-16_T-26-S_R-35-E	MD Reference:	KB @ 3226.0usft (H&P 425)
Well:	Talco State Fed Com #211H	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	(Talco) Sec-16_T-26-S_R-35-E		
Site Position:		Northing:	383,134.00 usft
From:	Map	Easting:	837,904.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 2' 58.925 N
		Longitude:	103° 22' 34.080 W
		Grid Convergence:	0.51 °

Well	Talco State Fed Com #211H		
Well Position	+N/-S	0.0 usft	Northing: 383,134.00 usft
	+E/-W	0.0 usft	Easting: 837,729.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 2' 58.940 N
		Longitude:	103° 22' 36.113 W
		Ground Level:	3,200.0 usft

Wellbore	OWB		
Magnetics	Model Name	Sample Date	Declination (°)
	HDGM	06/14/21	6.35
			Dip Angle (°) 59.63
			Field Strength (nT) 47,465.71616810

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 (°) 179.44

Survey Program	Date	07/06/21		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
152.0	23,075.0	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
152.0	0.40	65.87	152.0	0.2	0.5	-0.2	0.26	0.26	0.00
241.0	0.70	88.11	241.0	0.4	1.3	-0.3	0.41	0.34	24.99
334.0	0.66	96.54	334.0	0.3	2.4	-0.3	0.12	-0.04	9.06
425.0	0.53	102.26	425.0	0.2	3.3	-0.1	0.16	-0.14	6.29
516.0	0.92	82.57	516.0	0.2	4.5	-0.1	0.50	0.43	-21.64
695.0	0.66	90.30	695.0	0.4	6.9	-0.3	0.16	-0.15	4.32
876.0	0.70	316.53	876.0	1.2	7.2	-1.1	0.69	0.02	-73.91
967.0	0.97	334.38	966.9	2.3	6.5	-2.2	0.41	0.30	19.62
1,025.1	0.89	320.00	1,025.0	3.0	6.0	-3.0	0.42	-0.13	-24.77
Rustler Anhydrite									



Intrepid Survey Report



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Well:	Talco State Fed Com #211H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,056.0	0.88	311.61	1,055.9	3.4	5.7	-3.3	0.42	-0.05	-27.11
1,225.0	0.92	324.36	1,224.9	5.3	3.9	-5.3	0.12	0.02	7.54
1,319.0	0.66	326.03	1,318.9	6.4	3.2	-6.4	0.28	-0.28	1.78
1,412.0	0.26	382	1,411.9	7.1	2.9	-7.0	0.52	-0.43	40.63
1,507.0	0.66	332.88	1,506.9	7.8	2.6	-7.7	0.48	0.42	-32.57
1,595.1	0.49	339.82	1,595.0	8.6	2.3	-8.5	0.21	-0.19	7.88
Top Salt									
1,600.0	0.48	340.35	1,599.9	8.6	2.3	-8.6	0.21	-0.19	10.81
1,694.0	1.98	279.44	1,693.9	9.2	0.5	-9.2	1.91	1.60	-64.80
1,788.0	3.74	286.47	1,787.7	10.4	-4.0	-10.4	1.91	1.87	7.48
1,882.0	3.43	276.89	1,881.6	11.6	-9.7	-11.7	0.72	-0.33	-10.19
1,976.0	4.48	275.93	1,975.3	12.3	-16.2	-12.5	1.12	1.12	-1.02
2,070.0	5.58	269.34	2,069.0	12.6	-24.4	-12.9	1.32	1.17	-7.01
2,164.0	5.36	271.53	2,162.6	12.7	-33.4	-13.0	0.32	-0.23	2.33
2,257.0	5.76	267.05	2,255.1	12.6	-42.4	-13.0	0.63	0.43	-4.82
2,352.0	6.73	269.86	2,349.5	12.3	-52.7	-12.8	1.07	1.02	2.96
2,446.0	7.87	272.32	2,442.8	12.6	-64.6	-13.2	1.26	1.21	2.62
2,541.0	7.87	270.13	2,536.9	12.8	-77.6	-13.6	0.32	0.00	-2.31
2,636.0	9.71	272.94	2,630.8	13.3	-92.1	-14.2	1.99	1.94	2.96
2,730.0	9.93	277.42	2,723.4	14.7	-108.1	-15.8	0.85	0.23	4.77
2,825.0	9.98	278.13	2,817.0	16.9	-124.4	-18.2	0.14	0.05	0.75
2,919.0	9.89	280.15	2,909.6	19.5	-140.4	-20.9	0.38	-0.10	2.15
3,014.0	9.63	281.38	3,003.2	22.5	-156.2	-24.0	0.35	-0.27	1.29
3,108.0	9.58	281.99	3,095.9	25.7	-171.6	-27.4	0.12	-0.05	0.65
3,203.0	9.23	285.24	3,189.6	29.3	-186.6	-31.2	0.67	-0.37	3.42
3,297.0	8.66	289.29	3,282.4	33.7	-200.6	-35.6	0.90	-0.61	4.31
3,391.0	8.13	292.45	3,375.4	38.5	-213.4	-40.6	0.75	-0.56	3.36
3,485.0	7.16	296.23	3,468.6	43.7	-224.8	-45.9	1.16	-1.03	4.02
3,579.0	7.96	289.38	3,561.8	48.4	-236.2	-50.7	1.28	0.85	-7.29
3,674.0	8.79	285.60	3,655.8	52.5	-249.4	-55.0	1.05	0.87	-3.98
3,768.0	8.31	287.71	3,748.7	56.5	-262.8	-59.1	0.61	-0.51	2.24
3,862.0	9.14	280.15	3,841.6	59.9	-276.6	-62.6	1.50	0.88	-8.04
3,956.0	10.07	279.36	3,934.3	62.6	-292.1	-65.4	1.00	0.99	-0.84
4,051.0	10.59	279.97	4,027.8	65.4	-308.9	-68.5	0.56	0.55	0.64
4,145.0	10.64	281.47	4,120.2	68.7	-325.9	-71.8	0.30	0.05	1.60
4,240.0	10.33	282.52	4,213.6	72.3	-342.8	-75.6	0.38	-0.33	1.11
4,334.0	9.85	282.61	4,306.1	75.8	-358.9	-79.3	0.51	-0.51	0.10
4,427.0	9.23	281.82	4,397.8	79.1	-373.9	-82.8	0.68	-0.67	-0.85
4,521.0	8.53	285.07	4,490.7	82.5	-388.0	-86.2	0.92	-0.74	3.46
4,615.0	6.90	282.26	4,583.9	85.5	-400.3	-89.4	1.78	-1.73	-2.99
4,709.0	6.64	274.08	4,677.2	87.1	-411.2	-91.1	1.06	-0.28	-8.70
4,803.0	8.92	267.49	4,770.3	87.1	-423.9	-91.3	2.60	2.43	-7.01
4,897.0	9.71	268.19	4,863.1	86.6	-439.1	-90.8	0.85	0.84	0.74



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)
4,974.9	8.73	264.92	4,940.0	85.8	-451.6	-90.2	1.43	-1.26	-4.20
Base Salt									
4,991.0	8.53	264.15	4,955.9	85.6	-454.0	-90.0	1.43	-1.23	-4.77
5,085.0	8.00	262.92	5,048.9	84.1	-467.4	-88.6	0.59	-0.56	-1.31
5,179.0	9.45	273.91	5,141.9	83.8	-481.6	-88.5	2.34	1.54	11.69
5,274.0	10.20	278.65	5,235.5	85.6	-497.7	-90.5	1.16	0.79	4.99
5,365.1	10.96	282.41	5,325.0	88.7	-514.1	-93.7	1.13	0.84	4.13
Delaware Mountain Gp									
5,368.0	10.99	282.52	5,327.9	88.8	-514.7	-93.8	1.13	0.86	3.83
5,380.4	10.94	282.63	5,340.0	89.3	-517.0	-94.3	0.41	-0.37	0.90
Lamar									
5,400.7	10.87	282.82	5,360.0	90.1	-520.7	-95.2	0.41	-0.37	0.91
Bell Canyon									
5,426.2	10.78	283.05	5,385.0	91.2	-525.4	-96.3	0.41	-0.37	0.92
Ramsey Sand									
5,463.0	10.64	283.40	5,421.2	92.8	-532.1	-98.0	0.41	-0.37	0.94
5,557.0	10.51	280.59	5,513.6	96.4	-548.9	-101.7	0.57	-0.14	-2.99
5,652.0	11.08	283.75	5,606.9	100.1	-566.3	-105.7	0.86	0.60	3.33
5,745.0	11.43	289.99	5,698.1	105.4	-583.7	-111.1	1.36	0.38	6.71
5,839.0	11.96	288.32	5,790.2	111.7	-601.7	-117.5	0.67	0.56	-1.78
5,933.0	11.56	288.94	5,882.2	117.8	-619.8	-123.8	0.45	-0.43	0.66
6,027.0	11.96	287.44	5,974.2	123.7	-638.0	-130.0	0.54	0.43	-1.60
6,121.0	11.87	288.41	6,066.2	129.7	-656.5	-136.1	0.23	-0.10	1.03
6,215.0	10.07	289.38	6,158.5	135.5	-673.4	-142.1	1.92	-1.91	1.03
6,308.0	9.71	286.83	6,250.1	140.5	-688.6	-147.2	0.61	-0.39	-2.74
6,402.0	9.32	284.80	6,342.8	144.7	-703.5	-151.6	0.55	-0.41	-2.16
6,496.0	9.14	281.11	6,435.6	148.1	-718.2	-155.1	0.66	-0.19	-3.93
6,590.0	9.27	281.73	6,528.4	151.1	-732.9	-158.2	0.17	0.14	0.66
6,622.1	9.34	280.94	6,560.0	152.1	-738.0	-159.3	0.46	0.23	-2.47
Cherry Canyon									
6,684.0	9.49	279.44	6,621.1	153.9	-748.0	-161.2	0.46	0.24	-2.42
6,778.0	8.97	278.65	6,713.9	156.3	-762.9	-163.7	0.57	-0.55	-0.84
6,872.0	8.48	286.30	6,806.8	159.3	-776.8	-166.9	1.34	-0.52	8.14
6,966.0	8.79	283.49	6,899.7	162.9	-790.4	-170.6	0.56	0.33	-2.99
7,061.0	8.53	284.98	6,993.7	166.4	-804.3	-174.3	0.36	-0.27	1.57
7,156.0	8.18	284.19	7,087.6	169.9	-817.6	-177.9	0.39	-0.37	-0.83
7,249.0	8.09	280.32	7,179.7	172.7	-830.5	-180.8	0.60	-0.10	-4.16
7,343.0	8.09	282.78	7,272.8	175.4	-843.5	-183.6	0.37	0.00	2.62
7,437.0	7.82	282.61	7,365.9	178.2	-856.1	-186.6	0.29	-0.29	-0.18
7,531.0	7.91	281.20	7,459.0	180.9	-868.7	-189.3	0.23	0.10	-1.50
7,625.0	7.25	281.55	7,552.2	183.3	-880.9	-191.9	0.70	-0.70	0.37
7,720.0	6.99	281.03	7,646.4	185.6	-892.4	-194.3	0.28	-0.27	-0.55
7,813.0	6.73	283.13	7,738.8	187.9	-903.3	-196.8	0.39	-0.28	2.26
7,869.6	6.64	282.08	7,795.0	189.4	-909.7	-198.3	0.26	-0.15	-1.85
Brushy Canyon									



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Talco State Fed Com #211H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3226.0usft (H&P 425)
Site:	(Talco) Sec-16_T-26-S_R-35-E	MD Reference:	KB @ 3226.0usft (H&P 425)
Well:	Talco State Fed Com #211H	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)
7,907.0	6.59	281.38	7,832.1	190.3	-914.0	-199.2	0.26	-0.15	-1.89
8,000.0	6.20	280.76	7,924.6	192.2	-924.1	-201.3	0.43	-0.42	-0.67
8,094.0	5.49	277.95	8,018.1	193.8	-933.6	-202.9	0.81	-0.76	-2.99
8,187.0	4.75	283.57	8,110.7	195.3	-941.7	-204.5	0.96	-0.80	6.04
8,282.0	3.96	277.60	8,205.4	196.7	-948.8	-206.0	0.96	-0.83	-6.28
8,376.0	3.25	290.25	8,299.2	198.0	-954.5	-207.4	1.13	-0.76	13.46
8,470.0	2.99	293.24	8,393.1	199.9	-959.3	-209.3	0.33	-0.28	3.18
8,563.0	2.46	297.11	8,486.0	201.8	-963.3	-211.2	0.60	-0.57	4.16
8,658.0	1.98	304.76	8,580.9	203.7	-966.4	-213.1	0.59	-0.51	8.05
8,752.0	2.07	303.88	8,674.9	205.5	-969.2	-215.0	0.10	0.10	-0.94
8,846.0	1.67	299.04	8,768.8	207.1	-971.8	-216.6	0.46	-0.43	-5.15
8,940.0	1.14	307.57	8,862.8	208.4	-973.7	-217.9	0.60	-0.56	9.07
9,034.0	1.41	293.77	8,956.8	209.4	-975.5	-218.9	0.43	0.29	-14.68
9,129.0	1.01	286.21	9,051.7	210.1	-977.4	-219.7	0.45	-0.42	-7.96
9,224.0	1.01	306.16	9,146.7	210.8	-978.9	-220.4	0.37	0.00	21.00
9,317.3	0.40	315.99	9,240.0	211.6	-979.8	-221.1	0.66	-0.65	10.54
Bone Spring Lime									
9,318.0	0.40	316.18	9,240.7	211.6	-979.8	-221.1	0.66	-0.63	26.48
9,347.3	0.25	297.98	9,270.0	211.7	-979.9	-221.2	0.62	-0.52	-62.15
Upper Avalon									
9,412.0	0.28	198.41	9,334.7	211.6	-980.1	-221.2	0.62	0.05	-153.86
9,507.0	0.75	163.16	9,429.7	210.8	-980.0	-220.3	0.57	0.49	-37.11
9,598.0	0.48	254.92	9,520.7	210.1	-980.1	-219.7	0.99	-0.30	100.84
9,692.0	0.40	248.15	9,614.7	209.9	-980.8	-219.5	0.10	-0.09	-7.20
9,742.3	0.54	283.42	9,665.0	209.9	-981.2	-219.5	0.62	0.27	70.13
Middle Avalon									
9,787.0	0.75	299.31	9,709.7	210.1	-981.7	-219.6	0.62	0.48	35.54
9,882.0	1.71	343.87	9,804.7	211.7	-982.6	-221.3	1.36	1.01	46.91
9,976.0	1.58	346.33	9,898.6	214.3	-983.3	-223.9	0.16	-0.14	2.62
10,070.0	1.27	311.00	9,992.6	216.3	-984.4	-225.9	0.97	-0.33	-37.59
10,072.4	1.26	310.80	9,995.0	216.3	-984.4	-225.9	0.60	-0.57	-8.53
Lower Avalon									
10,165.0	0.75	297.29	10,087.6	217.3	-985.8	-226.9	0.60	-0.55	-14.58
10,260.0	1.10	300.71	10,182.6	218.0	-987.1	-227.6	0.37	0.37	3.60
10,354.0	1.23	268.55	10,276.6	218.4	-988.9	-228.1	0.70	0.14	-34.21
10,449.0	0.92	241.83	10,371.6	218.1	-990.6	-227.7	0.61	-0.33	-28.13
10,544.0	1.45	222.23	10,466.5	216.8	-992.0	-226.5	0.69	0.56	-20.63
10,582.5	1.34	226.68	10,505.0	216.1	-992.7	-225.8	0.41	-0.30	11.57
1st Bone Spring Sand									
10,638.0	1.19	234.53	10,560.5	215.4	-993.6	-225.1	0.41	-0.26	14.13
10,732.0	0.92	238.66	10,654.5	214.4	-995.1	-224.1	0.30	-0.29	4.39
10,747.5	0.89	244.32	10,670.0	214.3	-995.3	-224.0	0.61	-0.21	36.47
2nd Bone Spring Carb									
10,827.0	0.88	276.19	10,749.5	214.1	-996.5	-223.8	0.61	-0.01	40.10



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Talco State Fed Com #211H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3226.0usft (H&P 425)
Site:	(Talco) Sec-16_T-26-S_R-35-E	MD Reference:	KB @ 3226.0usft (H&P 425)
Well:	Talco State Fed Com #211H	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)
10,921.0	0.97	269.25	10,843.5	214.1	-998.0	-223.9	0.15	0.10	-7.38
11,015.0	0.84	261.64	10,937.5	214.0	-999.4	-223.8	0.19	-0.14	-8.10
11,097.6	0.68	262.21	11,020.0	213.9	-1,000.5	-223.7	0.19	-0.19	0.69
2nd Bone Spring Sand									
11,108.0	0.66	262.30	11,030.4	213.9	-1,000.7	-223.6	0.19	-0.19	0.88
11,203.0	0.79	248.68	11,125.4	213.6	-1,001.8	-223.3	0.23	0.14	-14.34
11,297.0	0.62	277.86	11,219.4	213.4	-1,002.9	-223.2	0.42	-0.18	31.04
11,392.0	0.75	285.95	11,314.4	213.6	-1,004.0	-223.4	0.17	0.14	8.52
11,486.0	0.53	298.25	11,408.4	214.0	-1,005.0	-223.8	0.27	-0.23	13.09
11,581.0	0.97	265.38	11,503.4	214.2	-1,006.2	-224.0	0.63	0.46	-34.60
11,582.6	1.00	264.96	11,505.0	214.1	-1,006.2	-224.0	1.65	1.58	-26.46
3rd Bone Spring Carb									
11,676.0	2.51	255.36	11,598.4	213.6	-1,009.0	-223.4	1.65	1.62	-10.28
11,770.0	2.81	248.24	11,692.3	212.2	-1,013.1	-222.1	0.47	0.32	-7.57
11,864.0	2.46	255.27	11,786.2	210.8	-1,017.2	-220.7	0.51	-0.37	7.48
11,959.0	2.77	265.38	11,881.1	210.1	-1,021.5	-220.1	0.58	0.33	10.64
12,053.0	2.42	268.11	11,975.0	209.9	-1,025.7	-219.9	0.39	-0.37	2.90
12,148.0	1.80	249.47	12,069.9	209.3	-1,029.1	-219.3	0.97	-0.65	-19.62
12,186.0	1.93	248.07	12,107.9	208.8	-1,030.3	-218.9	0.36	0.34	-3.68
12,223.1	2.23	213.87	12,145.0	208.0	-1,031.3	-218.1	3.38	0.81	-92.10
3rd Bone Spring Sand									
12,298.0	4.13	181.88	12,219.7	204.1	-1,032.2	-214.2	3.38	2.54	-42.73
12,361.0	11.47	161.93	12,282.1	195.9	-1,030.3	-205.9	12.25	11.65	-31.67
12,393.0	15.60	158.86	12,313.2	188.8	-1,027.8	-198.9	13.10	12.91	-9.59
12,484.8	22.48	157.13	12,400.0	161.1	-1,016.5	-171.0	7.51	7.49	-1.89
3rd BS W Sand									
12,487.0	22.64	157.10	12,402.0	160.3	-1,016.1	-170.2	7.51	7.50	-1.32
12,551.2	28.13	158.39	12,460.0	134.8	-1,005.7	-144.7	8.60	8.55	2.01
Wolfcamp A X Sand									
12,582.0	30.77	158.86	12,486.8	120.7	-1,000.2	-130.5	8.60	8.57	1.52
12,627.0	35.60	162.55	12,524.4	97.5	-992.1	-107.2	11.63	10.73	8.20
12,640.0	36.26	163.10	12,535.0	90.2	-989.9	-99.9	5.65	5.07	4.22
Wolfcamp A Y Sand									
12,677.0	38.15	164.57	12,564.4	68.7	-983.7	-78.3	5.65	5.11	3.98
12,735.0	41.05	164.83	12,609.1	33.1	-973.9	-42.6	5.01	5.00	0.45
12,756.5	43.69	165.60	12,625.0	19.1	-970.2	-28.6	12.50	12.27	3.58
Wolfcamp A Lower									
12,768.0	45.10	165.98	12,633.2	11.3	-968.3	-20.7	12.50	12.28	3.32
12,820.0	50.59	169.76	12,668.1	-26.4	-960.2	17.0	11.85	10.56	7.27
12,862.0	55.78	173.80	12,693.3	-59.7	-955.4	50.3	14.56	12.36	9.62
12,957.0	66.73	176.79	12,738.9	-142.6	-948.7	133.3	11.85	11.53	3.15
13,004.0	74.95	179.07	12,754.3	-186.9	-947.2	177.6	18.08	17.49	4.85
13,006.6	75.30	179.12	12,755.0	-189.4	-947.1	180.1	13.39	13.27	1.88
Wolfcamp B									
13,052.0	81.32	179.95	12,764.2	-233.8	-946.8	224.6	13.39	13.27	1.83



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Talco State Fed Com #211H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3226.0usft (H&P 425)
Site:	(Talco) Sec-16_T-26-S_R-35-E	MD Reference:	KB @ 3226.0usft (H&P 425)
Well:	Talco State Fed Com #211H	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)
13,147.0	88.44	178.90	12,772.7	-328.4	-945.8	319.1	7.58	7.49	-1.11
13,174.0	88.79	179.78	12,773.3	-355.4	-945.5	346.1	3.51	1.30	3.26
13,268.0	88.57	178.72	12,775.5	-449.3	-944.3	440.1	1.15	-0.23	-1.13
13,363.0	92.13	179.42	12,774.9	-544.3	-942.7	535.1	3.82	3.75	0.74
13,457.0	92.04	178.63	12,771.5	-638.2	-941.1	629.0	0.85	-0.10	-0.84
13,552.0	91.34	180.22	12,768.7	-733.2	-940.2	724.0	1.83	-0.74	1.67
13,646.0	91.30	180.39	12,766.5	-827.2	-940.7	817.9	0.19	-0.04	0.18
13,740.0	91.25	180.92	12,764.4	-921.1	-941.7	911.9	0.57	-0.05	0.56
13,835.0	91.16	180.30	12,762.4	-1,016.1	-942.8	1,006.8	0.66	-0.09	-0.65
13,929.0	92.31	180.48	12,759.6	-1,110.1	-943.4	1,100.8	1.24	1.22	0.19
14,024.0	91.78	179.86	12,756.2	-1,205.0	-943.7	1,195.7	0.86	-0.56	-0.65
14,119.0	90.55	182.68	12,754.3	-1,299.9	-945.8	1,290.6	3.24	-1.29	2.97
14,213.0	88.09	179.86	12,755.4	-1,393.9	-947.9	1,384.6	3.98	-2.62	-3.00
14,308.0	88.09	180.30	12,758.5	-1,488.8	-948.0	1,479.5	0.46	0.00	0.46
14,402.0	87.47	180.22	12,762.2	-1,582.8	-948.4	1,573.4	0.67	-0.66	-0.09
14,498.0	86.77	179.95	12,767.0	-1,678.6	-948.6	1,669.3	0.78	-0.73	-0.28
14,592.0	85.54	179.34	12,773.3	-1,772.4	-948.0	1,763.1	1.46	-1.31	-0.65
14,687.0	86.33	178.90	12,780.0	-1,867.2	-946.5	1,857.8	0.95	0.83	-0.46
14,781.0	87.82	179.16	12,784.8	-1,961.0	-944.9	1,951.7	1.61	1.59	0.28
14,876.0	87.03	178.98	12,789.1	-2,055.9	-943.4	2,046.6	0.85	-0.83	-0.19
14,971.0	90.20	178.98	12,791.4	-2,150.9	-941.7	2,141.6	3.34	3.34	0.00
15,066.0	90.59	179.16	12,790.7	-2,245.9	-940.2	2,236.6	0.45	0.41	0.19
15,160.0	89.85	177.58	12,790.4	-2,339.8	-937.5	2,330.5	1.86	-0.79	-1.68
15,255.0	90.68	177.93	12,789.9	-2,434.7	-933.8	2,425.5	0.95	0.87	0.37
15,350.0	89.85	176.96	12,789.5	-2,529.6	-929.5	2,520.4	1.34	-0.87	-1.02
15,443.0	91.16	178.19	12,788.7	-2,622.6	-925.6	2,613.4	1.93	1.41	1.32
15,537.0	90.15	178.72	12,787.6	-2,716.5	-923.1	2,707.4	1.21	-1.07	0.56
15,632.0	90.46	179.78	12,787.1	-2,811.5	-921.8	2,802.4	1.16	0.33	1.12
15,726.0	92.04	183.99	12,785.1	-2,905.4	-924.9	2,896.2	4.78	1.68	4.48
15,820.0	89.85	180.13	12,783.5	-2,999.3	-928.3	2,990.1	4.72	-2.33	-4.11
15,914.0	89.58	180.04	12,784.0	-3,093.3	-928.4	3,084.1	0.30	-0.29	-0.10
16,009.0	89.05	177.93	12,785.1	-3,188.3	-926.8	3,179.1	2.29	-0.56	-2.22
16,103.0	91.74	180.65	12,784.5	-3,282.2	-925.6	3,273.0	4.07	2.86	2.89
16,198.0	90.64	179.16	12,782.5	-3,377.2	-925.4	3,368.0	1.95	-1.16	-1.57
16,292.0	89.89	176.61	12,782.1	-3,471.2	-922.0	3,462.0	2.83	-0.80	-2.71
16,387.0	92.44	177.31	12,780.1	-3,566.0	-916.9	3,556.9	2.78	2.68	0.74
16,481.0	93.54	177.14	12,775.2	-3,659.7	-912.4	3,650.7	1.18	1.17	-0.18
16,575.0	92.84	177.93	12,770.0	-3,753.5	-908.3	3,744.5	1.12	-0.74	0.84
16,669.0	91.30	180.83	12,766.6	-3,847.4	-907.3	3,838.4	3.49	-1.64	3.09
16,764.0	90.99	181.53	12,764.7	-3,942.4	-909.3	3,933.3	0.81	-0.33	0.74
16,858.0	89.71	181.80	12,764.1	-4,036.4	-912.0	4,027.2	1.39	-1.36	0.29
16,953.0	90.86	181.36	12,763.6	-4,131.3	-914.6	4,122.2	1.30	1.21	-0.46
17,048.0	89.89	180.30	12,763.0	-4,226.3	-916.0	4,217.1	1.51	-1.02	-1.12



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Talco State Fed Com #211H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3226.0usft (H&P 425)
Site:	(Talco) Sec-16_T-26-S_R-35-E	MD Reference:	KB @ 3226.0usft (H&P 425)
Well:	Talco State Fed Com #211H	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)
17,143.0	89.93	180.48	12,763.2	-4,321.3	-916.7	4,312.1	0.19	0.04	0.19
17,237.0	90.24	181.27	12,763.0	-4,415.3	-918.1	4,406.1	0.90	0.33	0.84
17,332.0	90.11	180.83	12,762.7	-4,510.3	-919.8	4,501.1	0.48	-0.14	-0.46
17,426.0	90.37	180.57	12,762.4	-4,604.3	-921.0	4,595.0	0.39	0.28	-0.28
17,521.0	89.54	179.34	12,762.4	-4,699.3	-920.9	4,690.0	1.56	-0.87	-1.29
17,616.0	89.41	179.60	12,763.3	-4,794.2	-920.0	4,785.0	0.31	-0.14	0.27
17,711.0	92.22	180.57	12,761.9	-4,889.2	-920.2	4,880.0	3.13	2.96	1.02
17,805.0	92.04	180.22	12,758.5	-4,983.2	-920.8	4,973.9	0.42	-0.19	-0.37
17,900.0	92.13	182.15	12,755.0	-5,078.1	-922.8	5,068.8	2.03	0.09	2.03
17,995.0	92.40	182.32	12,751.2	-5,172.9	-926.5	5,163.6	0.34	0.28	0.18
18,090.0	92.53	182.24	12,747.2	-5,267.8	-930.3	5,258.4	0.16	0.14	-0.08
18,185.0	91.82	181.97	12,743.5	-5,362.6	-933.7	5,353.2	0.80	-0.75	-0.28
18,279.0	88.09	180.30	12,743.6	-5,456.6	-935.6	5,447.2	4.35	-3.97	-1.78
18,374.0	87.08	180.22	12,747.6	-5,551.5	-936.0	5,542.1	1.07	-1.06	-0.08
18,469.0	88.26	178.72	12,751.5	-5,646.4	-935.2	5,637.0	2.01	1.24	-1.58
18,563.0	89.41	178.72	12,753.4	-5,740.4	-933.1	5,731.0	1.22	1.22	0.00
18,657.0	92.35	179.34	12,752.0	-5,834.3	-931.5	5,825.0	3.20	3.13	0.66
18,752.0	93.32	179.25	12,747.3	-5,929.2	-930.3	5,919.8	1.03	1.02	-0.09
18,846.0	91.56	177.58	12,743.3	-6,023.1	-927.7	6,013.7	2.58	-1.87	-1.78
18,940.0	92.79	178.81	12,739.7	-6,117.0	-924.7	6,107.6	1.85	1.31	1.31
19,034.0	93.93	178.55	12,734.2	-6,210.8	-922.6	6,201.5	1.24	1.21	-0.28
19,128.0	93.85	178.11	12,727.8	-6,304.5	-919.8	6,295.2	0.47	-0.09	-0.47
19,223.0	93.80	177.75	12,721.5	-6,399.3	-916.4	6,390.0	0.38	-0.05	-0.38
19,318.0	93.76	179.07	12,715.2	-6,494.0	-913.8	6,484.8	1.39	-0.04	1.39
19,412.0	91.60	179.69	12,710.8	-6,587.9	-912.8	6,578.7	2.39	-2.30	0.66
19,507.0	90.20	180.04	12,709.3	-6,682.9	-912.6	6,673.6	1.52	-1.47	0.37
19,601.0	91.34	179.78	12,708.0	-6,776.9	-912.4	6,767.6	1.24	1.21	-0.28
19,695.0	90.99	180.65	12,706.1	-6,870.8	-912.8	6,861.6	1.00	-0.37	0.93
19,790.0	89.80	181.27	12,705.5	-6,965.8	-914.4	6,956.6	1.41	-1.25	0.65
19,883.0	89.49	182.41	12,706.1	-7,058.8	-917.3	7,049.5	1.27	-0.33	1.23
19,978.0	88.70	183.38	12,707.6	-7,153.6	-922.1	7,144.3	1.32	-0.83	1.02
20,072.0	88.70	183.38	12,709.7	-7,247.5	-927.7	7,238.0	0.00	0.00	0.00
20,166.0	89.05	181.53	12,711.5	-7,341.3	-931.7	7,331.9	2.00	0.37	-1.97
20,259.0	88.88	180.39	12,713.2	-7,434.3	-933.3	7,424.8	1.24	-0.18	-1.23
20,353.0	89.89	179.86	12,714.2	-7,528.3	-933.5	7,518.8	1.21	1.07	-0.56
20,447.0	89.98	179.34	12,714.3	-7,622.3	-932.8	7,612.8	0.56	0.10	-0.55
20,540.0	93.14	181.01	12,711.8	-7,715.3	-933.1	7,705.8	3.84	3.40	1.80
20,634.0	91.56	180.92	12,707.9	-7,809.2	-934.7	7,799.7	1.68	-1.68	-0.10
20,728.0	89.54	179.78	12,707.0	-7,903.1	-935.2	7,893.6	2.47	-2.15	-1.21
20,822.0	88.75	179.51	12,708.4	-7,997.1	-934.7	7,987.6	0.89	-0.84	-0.29
20,916.0	87.12	178.28	12,711.8	-8,091.1	-932.9	8,081.5	2.17	-1.73	-1.31
21,010.0	86.42	178.19	12,717.1	-8,184.9	-930.0	8,175.4	0.75	-0.74	-0.10
21,105.0	87.30	176.88	12,722.3	-8,279.6	-925.9	8,270.2	1.66	0.93	-1.38



Intrepid Survey Report



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Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3226.0usft (H&P 425)
Site:	(Talco) Sec-16_T-26-S_R-35-E	MD Reference:	KB @ 3226.0usft (H&P 425)
Well:	Talco State Fed Com #211H	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)
21,199.0	88.04	177.93	12,726.2	-8,373.4	-921.6	8,364.0	1.37	0.79	1.12
21,293.0	89.10	177.05	12,728.5	-8,467.3	-917.5	8,458.0	1.47	1.13	-0.94
21,387.0	90.11	174.85	12,729.2	-8,561.1	-910.9	8,551.8	2.58	1.07	-2.34
21,481.0	92.18	178.81	12,727.3	-8,654.9	-905.7	8,645.6	4.75	2.20	4.21
21,575.0	93.89	177.67	12,722.3	-8,748.7	-902.8	8,739.5	2.19	1.82	-1.21
21,669.0	94.24	179.86	12,715.6	-8,842.4	-900.8	8,833.2	2.35	0.37	2.33
21,762.0	91.38	178.81	12,711.1	-8,935.3	-899.7	8,926.1	3.28	-3.08	-1.13
21,857.0	91.65	176.17	12,708.6	-9,030.2	-895.5	9,021.0	2.79	0.28	-2.78
21,951.0	90.55	174.41	12,706.8	-9,123.8	-887.8	9,114.7	2.21	-1.17	-1.87
22,044.0	91.16	175.21	12,705.4	-9,216.5	-879.4	9,207.4	1.08	0.66	0.86
22,139.0	90.15	177.75	12,704.3	-9,311.3	-873.6	9,302.3	2.88	-1.06	2.67
22,233.0	90.51	181.09	12,703.7	-9,405.2	-872.6	9,396.3	3.57	0.38	3.55
22,328.0	89.41	182.76	12,703.8	-9,500.2	-875.8	9,491.2	2.10	-1.16	1.76
22,422.0	91.30	185.22	12,703.2	-9,593.9	-882.4	9,584.9	3.30	2.01	2.62
22,516.0	87.52	182.32	12,704.2	-9,687.7	-888.5	9,678.6	5.07	-4.02	-3.09
22,611.0	88.04	182.32	12,707.9	-9,782.6	-892.4	9,773.4	0.55	0.55	0.00
22,706.0	88.04	183.29	12,711.1	-9,877.4	-897.0	9,868.1	1.02	0.00	1.02
22,802.0	87.25	182.68	12,715.1	-9,973.2	-902.0	9,963.9	1.04	-0.82	-0.64
22,897.0	87.16	183.29	12,719.7	-10,067.9	-907.0	10,058.6	0.65	-0.09	0.64
22,993.0	86.99	183.64	12,724.6	-10,163.6	-912.8	10,154.2	0.40	-0.18	0.36
23,010.0	86.73	183.82	12,725.5	-10,180.6	-913.9	10,171.2	1.86	-1.53	1.06
23,075.0	86.73	183.82	12,729.2	-10,245.3	-918.2	10,235.9	0.00	0.00	0.00



Intrepid Survey Report



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Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3226.0usft (H&P 425)
Site:	(Talco) Sec-16_T-26-S_R-35-E	MD Reference:	KB @ 3226.0usft (H&P 425)
Well:	Talco State Fed Com #211H	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
PBHL (Talco State Fe - actual wellpath misses target center by 45.7usft at 23075.0usft MD (12729.2 TVD, -10245.3 N, -918.2 E) - Point	-0.10	179.44	12,704.7	-10,263.0	-884.0	372,871.00	836,845.00	32° 1' 17.465 N	103° 22' 47.436 W
LTP (Talco State Fed - actual wellpath misses target center by 35.2usft at 22994.4usft MD (12724.7 TVD, -10165.0 N, -912.8 E) - Point	0.00	0.00	12,704.7	-10,168.0	-884.0	372,966.00	836,845.00	32° 1' 18.405 N	103° 22' 47.426 W
T5 (Talco State Fed C - actual wellpath misses target center by 50.8usft at 12845.6usft MD (12683.8 TVD, -46.3 N, -957.1 E) - Rectangle (sides W100.0 H2,547.9 D20.0)	0.00	359.44	12,720.0	-22.8	-983.8	383,111.21	836,745.20	32° 2' 58.801 N	103° 22' 47.545 W
T1 (Talco State Fed C - actual wellpath misses target center by 68.7usft at 12860.0usft MD (12692.1 TVD, -58.0 N, -955.6 E) - Rectangle (sides W100.0 H2,425.0 D20.0)	-1.00	359.44	12,744.0	-22.8	-983.8	383,111.21	836,745.20	32° 2' 58.801 N	103° 22' 47.545 W
FTP (Talco State Fed - actual wellpath misses target center by 215.3usft at 12735.0usft MD (12609.1 TVD, 33.1 N, -973.9 E) - Point	0.00	0.00	12,747.0	198.0	-986.0	383,332.00	836,743.00	32° 3' 0.986 N	103° 22' 47.548 W
T2 (Talco State Fed C - actual wellpath misses target center by 96.7usft at 12869.0usft MD (12697.2 TVD, -65.5 N, -954.8 E) - Rectangle (sides W100.0 H471.0 D20.0)	0.00	359.44	12,779.0	-22.8	-983.8	383,111.21	836,745.20	32° 2' 58.801 N	103° 22' 47.545 W
T3 (Talco State Fed C - actual wellpath misses target center by 113.9usft at 12879.1usft MD (12702.7 TVD, -73.9 N, -954.0 E) - Rectangle (sides W100.0 H2,646.0 D20.0)	0.50	359.44	12,800.0	-22.8	-983.8	383,111.21	836,745.20	32° 2' 58.801 N	103° 22' 47.545 W
T4 (Talco State Fed C - actual wellpath misses target center by 184.7usft at 12919.1usft MD (12722.6 TVD, -108.4 N, -951.0 E) - Rectangle (sides W100.0 H2,164.0 D20.0)	1.50	359.44	12,883.0	-22.8	-983.8	383,111.21	836,745.20	32° 2' 58.801 N	103° 22' 47.545 W



Intrepid Survey Report



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Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3226.0usft (H&P 425)
Site:	(Talco) Sec-16_T-26-S_R-35-E	MD Reference:	KB @ 3226.0usft (H&P 425)
Well:	Talco State Fed Com #211H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,025.1	1,025.0	Rustler Anhydrite			
1,595.1	1,595.0	Top Salt			
4,974.9	4,940.0	Base Salt			
5,365.1	5,325.0	Delaware Mountain Gp			
5,380.4	5,340.0	Lamar			
5,400.7	5,360.0	Bell Canyon			
5,426.2	5,385.0	Ramsey Sand			
6,622.1	6,560.0	Cherry Canyon			
7,869.6	7,795.0	Brushy Canyon			
9,317.3	9,240.0	Bone Spring Lime			
9,347.3	9,270.0	Upper Avalon			
9,742.3	9,665.0	Middle Avalon			
10,072.4	9,995.0	Lower Avalon			
10,582.5	10,505.0	1st Bone Spring Sand			
10,747.5	10,670.0	2nd Bone Spring Carb			
11,097.6	11,020.0	2nd Bone Spring Sand			
11,582.6	11,505.0	3rd Bone Spring Carb			
12,223.1	12,145.0	3rd Bone Spring Sand			
12,484.8	12,400.0	3rd BS W Sand			
12,551.2	12,460.0	Wolfcamp A X Sand			
12,640.0	12,535.0	Wolfcamp A Y Sand			
12,756.5	12,625.0	Wolfcamp A Lower			
13,006.6	12,755.0	Wolfcamp B			

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
12,349.1	12,270.4	198.0	-1,031.0	FTP @ 12349.1'MD, 100'FNL & 286.7'FWL
22,998.1	12,724.9	-10,168.7	-913.1	LTP @ 22998.1'MD, 100'FSL & 302.4'FWL
23,010.0	12,725.5	-10,180.6	-913.9	LAST SVY
23,075.0	12,729.2	-10,245.3	-918.2	Projection to TD @ 23075'MD, 23.4'FSL & 296.5'FWL

Checked By: _____ Approved By: _____ Date: _____

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. 30-025-48609										
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 TALCO STATE FED COM		
								6. Well Number: 211H		
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 S263504N; WOLFCAMP			
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	D	16	26-S	35-E	-	306'	NORTH	1315'	WEST	LEA
BH:	M	21	26-S	35-E	-	23'	SOUTH	296'	WEST	LEA
13. Date Spudded 6/13/2021	14. Date T.D. Reached 7/2/2021		15. Date Rig Released 7/6/2021			16. Date Completed (Ready to Produce) 12/4/2021		17. Elevations (DF and RKB, RT, GR, etc.) 3200 GR		
18. Total Measured Depth of Well 23075'			19. Plug Back Measured Depth 23006'			20. Was Directional Survey Made? YES		21. Type Electric and Other Logs Run GAMMA		
22. Producing Interval(s), of this completion - Top, Bottom, Name 12780 ft to 22921 ft, WOLFCAMP										
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		1111'		17.5"		985 SKS		0
7.625"		29.7		9626'/12155"		9.875"/8.75"		1289 SKS		0
5.5"		20		23055'		6.75"		970 SKS		0
24. LINER RECORD										
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		25. TUBING RECORD		SIZE		DEPTH SET
26. Perforation record (interval, size, and number) Perforate from 12670 ft to 22812 ft, 1 SPF, .55 inch holes with 616 total shots.						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 12780 ft to 22921 ft 36 stage frac with 26,868,330 lbs of 100 mesh sand.				
28. PRODUCTION										
Date First Production 2/5/2022		Production Method (Flowing, gas lift, pumping - Size and type pump) FLOWING				Well Status (Prod. or Shut-in) PRODUCING				
Date of Test 2/14/2022	Hours Tested 24	Choke Size 34/64	Prod'n For Test Period	Oil - Bbl 1454	Gas - MCF 2043	Water - Bbl. 4542	Gas - Oil Ratio 712			
Flow Tubing Press. 0	Casing Pressure 2000	Calculated 24-Hour Rate	Oil - Bbl. 1454	Gas - MCF 2043	Water - Bbl. 4542	Oil Gravity - API - (Corr.)				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD							30. Test Witnessed By			
31. List Attachments DIRECTIONAL SURVEY, C-102 AS DRILLED										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.							33. Rig Release Date:			
34. If an on-site burial was used at the well, report the exact location of the on-site burial:										
			Latitude			Longitude			NAD83	
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief										
Signature 		Printed Name Jeff Trlica			Title Regulatory Analyst			Date 2/15/2022		
E-mail Address jtrlica@tapr										

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	1055		QUATERNARY				
1055	1733		RUSTLER				
1733	2997		TOP OF SALT				
2997	5385		BASE OF SALT				
5385	5413		DELAWARE				
5413	6607		BELL CANYON				
6607	7889		CHERRY CANYON				
7889	9314		BRUSHY CANYON				
9314	9690		BONE SPRING LIME				
9690	10504		AVALON				
10504	11014		1ST BONE SPRING SAND				
11014	12159		2ND BONE SPRING SAND				
12159	12527		3RD BONE SPRING SAND				
12527	12650		WOLFCAMP A				
12650			WOLFCAMP 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 82165

ACKNOWLEDGMENTS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 82165
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

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

District I
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Phone:(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 82165

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 82165
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	File 3160-4 Completion Report within 10 days to NMOCD after BLM approval.	7/11/2022