

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 25-46812	⁵ Pool Name WC-025 G-09 S263504N; WOLFCAMP		⁶ Pool Code 98117 KZ
⁷ Property Code 327071	⁸ Property Name TALCO STATE FED COM		⁹ Well Number 202H

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	16	26-S	35-E	-	308'	NORTH	1490'	WEST	LEA

¹¹ Bottom Hole Location SL

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	21	26-S	35-E	-	31'	SOUTH	2293'	WEST	LEA
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 12/18/2020	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 9/10/2020	²² Ready Date 12/15/2020	²³ TD 22986'	²⁴ PBTD 22923'	²⁵ Perforations 12610' - 22683'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5"	13.375"	1108'	970 sks		
12.25"	9.625"	5413'	1667 sks		
8.75"	7.625"	12140'	616 sks		
6.75"	5.5"	22969	1017 sks		

V. Well Test Data

³¹ Date New Oil 12/18/2020	³² Gas Delivery Date 12/18/2020	³³ Test Date 12/26/2020	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 0	³⁶ Csg. Pressure 2741
³⁷ Choke Size 36/64	³⁸ Oil 7240	³⁹ Water 2040	⁴⁰ Gas 2417		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: PATRICIA MARTINEZ	
	Title: LM II	
	Approval Date: 3/8/2021	
E-mail Address: bramsey@taprk.com		Request for NMOCD extension of time to file BLM-Approved form 3160-4 File 3160-4 within 10 days to NMOCD after BLM Approval.
Date: 12/30/2020	Phone: 720-360-4028	

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 30-025-46812	² Pool Code 98117	³ Pool Name WC-025 G-09 S263504N; WOLFCAMP
⁴ Property Code 327071	⁵ Property Name TALCO STATE FED COM	⁶ Well Number 202H
⁷ OGRID No. #372043	⁸ Operator Name TAP ROCK OPERATING, LLC.	⁹ Elevation 3198'

¹⁰Surface Location

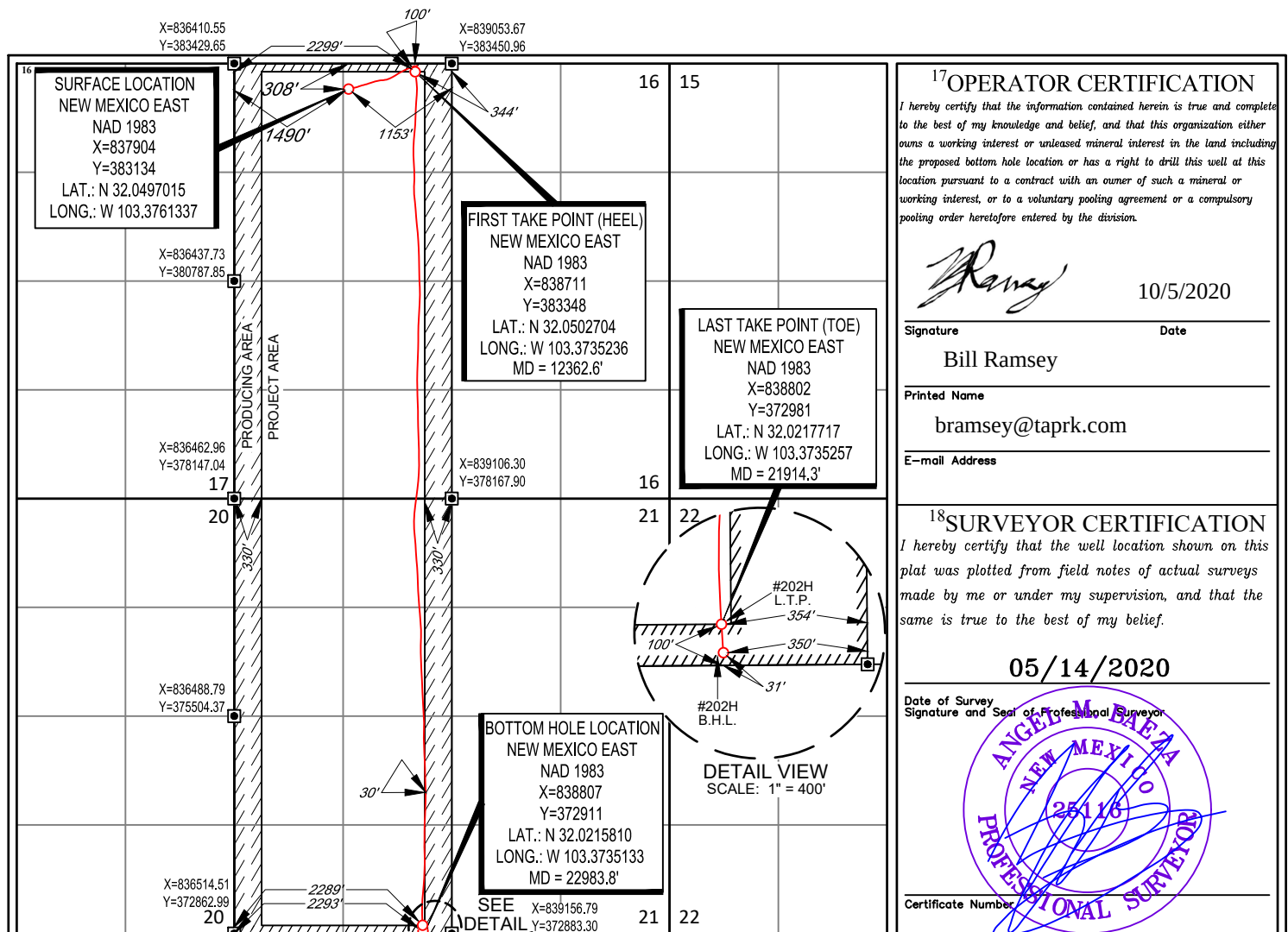
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	16	26-S	35-E	-	308'	NORTH	1490'	WEST	LEA

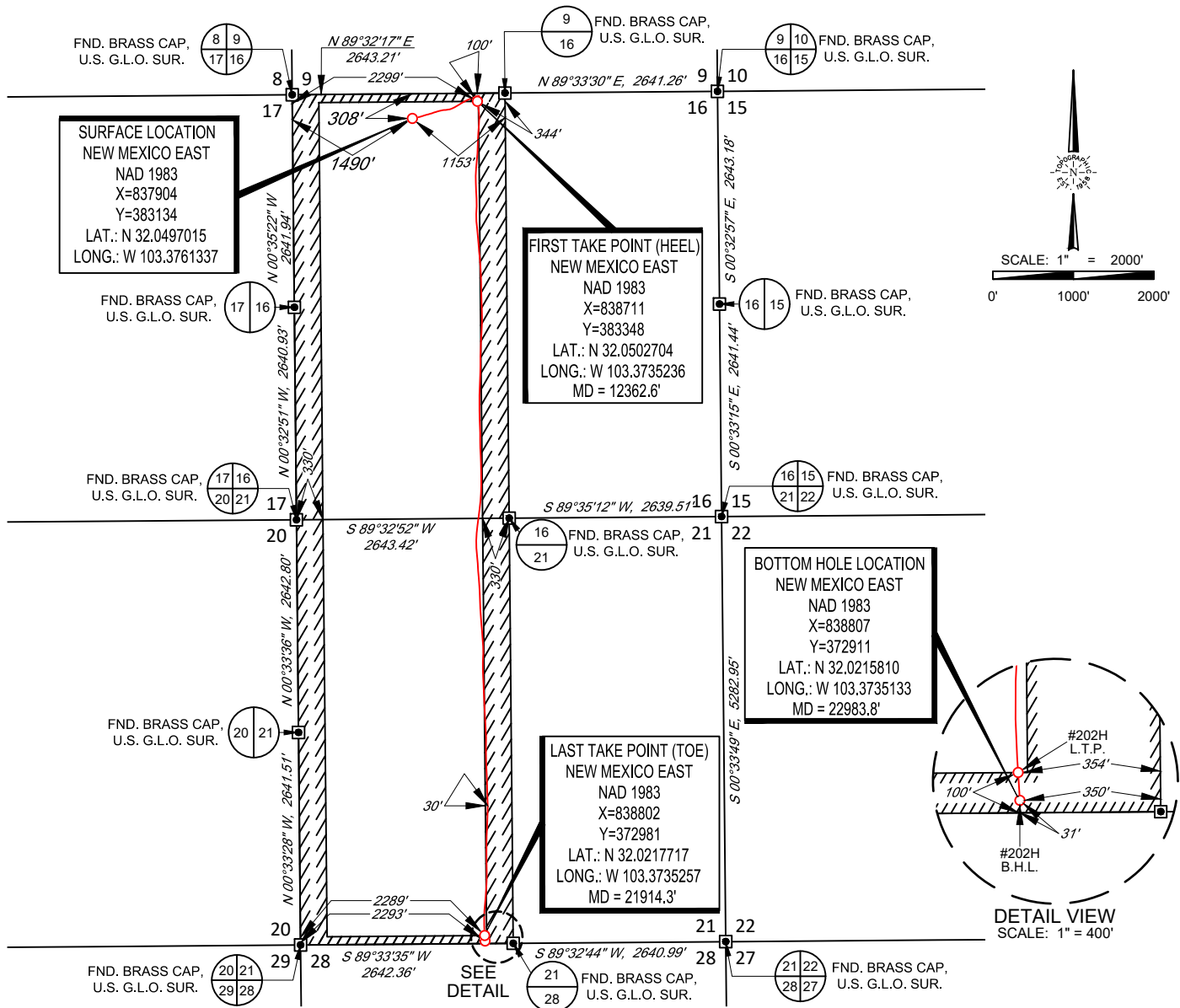
¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	21	26-S	35-E	-	31'	SOUTH	2293'	WEST	LEA

¹² Dedicated Acres 640.00	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 18, TOWNSHIP 25-S, RANGE 36-E, N.M.P.M.
LEA COUNTY, NEW MEXICO

LEASE NAME & WELL NO.: TALCO STATE FED COM 202H
 SECTION 16 TWP 26-S RGE 35-E SURVEY N.M.P.M.
 COUNTY LEA STATE NM ELEVATION 3198'
 DESCRIPTION 308' FNL & 1490' 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 202H PRE-COMPLETION	REVISION:		NOTES:
	INT	DATE	
DATE: 10/01/2020			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_202H			
DRAWN BY: A.V.F.			
SHEET: 1 OF 1			

S:\SURVEY\TAPROCK\TALCO_STATE\FINAL_PRODUCTS\PRECOMPLETION\TALCO_STATE_FED_COM_202H.DWG 10/2/2020 10:40:58 AM abaeza



Tap Rock Resources, LLC

**Lea County, NM (NAD 83 NME)
(Talco) Sec-16_T-26-S_R-35-E
Talco State Fed Com #202H**

OWB

Design: AWB

Standard Survey Report

30 September, 2020





Operator: Tap Rock Resources, LLC.
Well Name: Talco State Fed Com #202H
County: Lea
State: New Mexico
Rig Name: H&P 376
Job Number: 30-025-46812

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: 182' MD – 22,915' MD
Projection to Bit: 22,986' MD
Dates Performed: 09/10/2020 – 09/29/2020
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





Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Talco State Fed Com #202H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3224.0usft (H&P 388)
Site:	(Talco) Sec-16_T-26-S_R-35-E	MD Reference:	KB @ 3224.0usft (H&P 388)
Well:	Talco State Fed Com #202H	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 #202H		
Well Position	+N/-S	0.0 usft	Northing: 383,134.00 usft
	+E/-W	0.0 usft	Easting: 837,904.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 2' 58.925 N
		Longitude:	103° 22' 34.080 W
		Ground Level:	3,198.0 usft

Wellbore	OWB		
Magnetics	Model Name	Sample Date	Declination (°)
	HDGM	09/11/20	6.42
			Dip Angle (°) 59.66
			Field Strength (nT) 47,545.13739283

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	09/30/20		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
182.0	22,986.0	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
182.0	0.53	8.46	182.0	0.8	0.1	-0.8	0.29	0.29	0.00
240.0	0.62	304.83	240.0	1.3	-0.1	-1.3	1.05	0.16	-109.71
332.0	0.97	321.17	332.0	2.2	-1.0	-2.2	0.45	0.38	17.76
425.0	0.57	303.68	425.0	3.0	-1.9	-3.1	0.49	-0.43	-18.81
517.0	0.26	291.20	517.0	3.4	-2.4	-3.4	0.35	-0.34	-13.57
610.0	0.04	126.85	610.0	3.4	-2.6	-3.4	0.32	-0.24	-176.72
702.0	0.35	302.63	702.0	3.6	-2.8	-3.6	0.42	0.34	191.07
797.0	0.44	323.28	797.0	4.0	-3.3	-4.0	0.18	0.09	21.74
892.0	0.40	265.01	892.0	4.3	-3.8	-4.3	0.43	-0.04	-61.34



Intrepid Survey Report



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Well:	Talco State Fed Com #202H	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)
986.0	0.35	274.42	986.0	4.3	-4.5	-4.3	0.08	-0.05	10.01
1,025.0	0.42	283.55	1,025.0	4.3	-4.7	-4.4	0.25	0.19	23.38
Rustler Anhydrite									
1,052.0	0.48	288.13	1,052.0	4.4	-4.9	-4.4	0.25	0.21	17.00
1,168.0	0.18	151.63	1,168.0	4.4	-5.3	-4.4	0.54	-0.26	-117.67
1,263.0	0.31	73.76	1,263.0	4.3	-5.0	-4.3	0.34	0.14	-81.97
1,357.0	0.35	277.14	1,357.0	4.4	-5.0	-4.5	0.69	0.04	-166.62
1,452.0	0.26	93.19	1,452.0	4.4	-5.1	-4.5	0.64	-0.09	185.32
1,546.0	0.26	160.86	1,546.0	4.2	-4.8	-4.3	0.31	0.00	71.99
1,590.0	0.14	254.48	1,590.0	4.1	-4.8	-4.2	0.69	-0.26	212.60
Top Salt									
1,640.0	0.44	296.48	1,640.0	4.2	-5.1	-4.2	0.69	0.59	84.05
1,735.0	0.22	91.34	1,735.0	4.3	-5.2	-4.4	0.68	-0.23	163.01
1,828.0	0.31	11.71	1,828.0	4.6	-5.0	-4.6	0.37	0.10	-85.62
1,923.0	0.44	33.42	1,923.0	5.1	-4.7	-5.2	0.20	0.14	22.85
2,018.0	1.54	78.95	2,017.9	5.7	-3.3	-5.7	1.34	1.16	47.93
2,111.0	3.56	85.19	2,110.8	6.2	0.8	-6.2	2.19	2.17	6.71
2,205.0	5.93	82.37	2,204.5	7.0	8.6	-7.0	2.53	2.52	-3.00
2,299.0	7.12	81.50	2,297.9	8.6	19.1	-8.4	1.27	1.27	-0.93
2,394.0	7.03	79.30	2,392.2	10.5	30.7	-10.2	0.30	-0.09	-2.32
2,488.0	7.16	82.29	2,485.5	12.4	42.1	-11.9	0.42	0.14	3.18
2,581.0	7.47	82.81	2,577.7	13.9	53.9	-13.4	0.34	0.33	0.56
2,674.0	7.74	80.70	2,669.9	15.7	66.0	-15.0	0.42	0.29	-2.27
2,768.0	8.04	83.17	2,763.0	17.5	78.8	-16.7	0.48	0.32	2.63
2,863.0	7.87	75.17	2,857.1	19.9	91.7	-19.0	1.18	-0.18	-8.42
2,958.0	8.40	67.96	2,951.1	24.2	104.4	-23.2	1.21	0.56	-7.59
3,053.0	8.57	72.36	3,045.1	28.9	117.6	-27.8	0.71	0.18	4.63
3,148.0	8.26	72.62	3,139.1	33.1	130.9	-31.8	0.33	-0.33	0.27
3,243.0	8.48	72.09	3,233.1	37.3	144.0	-35.9	0.25	0.23	-0.56
3,339.0	8.44	73.59	3,328.0	41.5	157.5	-39.9	0.23	-0.04	1.56
3,433.0	8.79	74.73	3,421.0	45.3	171.1	-43.6	0.41	0.37	1.21
3,525.0	9.49	74.73	3,511.8	49.2	185.2	-47.4	0.76	0.76	0.00
3,620.0	9.80	76.22	3,605.4	53.2	200.6	-51.2	0.42	0.33	1.57
3,713.0	8.48	73.76	3,697.3	57.0	214.9	-54.9	1.48	-1.42	-2.65
3,809.0	7.87	70.95	3,792.3	61.1	227.9	-58.9	0.76	-0.64	-2.93
3,904.0	7.34	72.53	3,886.5	65.0	239.8	-62.7	0.60	-0.56	1.66
3,997.0	6.64	71.74	3,978.8	68.5	250.6	-66.0	0.76	-0.75	-0.85
4,093.0	6.73	72.53	4,074.1	71.9	261.2	-69.4	0.13	0.09	0.82
4,187.0	6.90	72.62	4,167.4	75.3	271.9	-72.6	0.18	0.18	0.10
4,282.0	6.46	72.27	4,261.8	78.6	282.4	-75.8	0.47	-0.46	-0.37
4,375.0	6.55	71.30	4,354.2	81.9	292.4	-79.0	0.15	0.10	-1.04
4,471.0	8.22	70.51	4,449.4	85.9	304.1	-83.0	1.74	1.74	-0.82
4,566.0	9.14	75.43	4,543.3	90.1	317.8	-87.0	1.24	0.97	5.18
4,660.0	10.86	76.93	4,635.9	94.0	333.6	-90.7	1.85	1.83	1.60



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Well:	Talco State Fed Com #202H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,754.0	9.67	75.96	4,728.4	97.9	349.9	-94.5	1.28	-1.27	-1.03
4,849.0	8.84	76.49	4,822.1	101.5	364.7	-98.0	0.88	-0.87	0.56
4,944.0	9.45	83.52	4,915.9	104.1	379.6	-100.4	1.34	0.64	7.40
4,968.4	9.58	84.48	4,940.0	104.6	383.6	-100.8	0.85	0.54	3.94
Base Salt									
5,039.0	9.98	87.12	5,009.6	105.4	395.6	-101.6	0.85	0.56	3.74
5,133.0	8.35	84.13	5,102.4	106.5	410.5	-102.5	1.81	-1.73	-3.18
5,228.0	7.12	80.53	5,196.5	108.2	423.1	-104.1	1.39	-1.29	-3.79
5,324.0	6.86	82.37	5,291.8	109.9	434.7	-105.7	0.36	-0.27	1.92
5,357.4	6.66	83.84	5,325.0	110.4	438.6	-106.1	0.80	-0.61	4.41
Delaware Mountain Gp									
5,360.0	6.64	83.96	5,327.5	110.4	438.9	-106.2	0.80	-0.60	4.55
5,372.5	6.59	83.65	5,340.0	110.6	440.3	-106.3	0.47	-0.38	-2.45
Lamar									
5,392.7	6.52	83.15	5,360.0	110.9	442.6	-106.5	0.47	-0.38	-2.50
Bell Canyon									
5,417.8	6.42	82.51	5,385.0	111.2	445.4	-106.9	0.47	-0.37	-2.56
Ramsey Sand									
5,503.0	6.11	80.18	5,469.7	112.6	454.6	-108.2	0.47	-0.37	-2.73
5,598.0	6.55	74.64	5,564.1	114.9	464.8	-110.4	0.79	0.46	-5.83
5,694.0	7.12	69.37	5,659.4	118.5	475.7	-113.8	0.88	0.59	-5.49
5,788.0	6.95	67.79	5,752.7	122.7	486.4	-117.9	0.27	-0.18	-1.68
5,883.0	6.55	67.70	5,847.0	126.9	496.7	-122.0	0.42	-0.42	-0.09
5,977.0	6.37	66.29	5,940.4	131.0	506.5	-126.1	0.26	-0.19	-1.50
6,071.0	6.59	62.95	6,033.8	135.6	516.0	-130.5	0.46	0.23	-3.55
6,166.0	6.37	61.98	6,128.2	140.5	525.5	-135.4	0.26	-0.23	-1.02
6,260.0	7.56	59.00	6,221.5	146.2	535.5	-140.9	1.32	1.27	-3.17
6,355.0	9.71	59.61	6,315.4	153.4	547.7	-148.1	2.27	2.26	0.64
6,450.0	10.29	59.87	6,409.0	161.7	562.0	-156.2	0.61	0.61	0.27
6,544.0	10.11	59.08	6,501.5	170.2	576.3	-164.6	0.24	-0.19	-0.84
6,603.4	10.00	57.99	6,560.0	175.6	585.2	-169.9	0.37	-0.19	-1.83
Cherry Canyon									
6,639.0	9.93	57.33	6,595.1	178.9	590.4	-173.1	0.37	-0.19	-1.86
6,734.0	9.93	56.27	6,688.6	187.9	604.1	-182.0	0.19	0.00	-1.12
6,828.0	9.23	63.21	6,781.3	195.8	617.5	-189.7	1.44	-0.74	7.38
6,923.0	9.23	63.65	6,875.1	202.6	631.2	-196.4	0.07	0.00	0.46
7,016.0	9.10	62.69	6,966.9	209.3	644.4	-203.0	0.22	-0.14	-1.03
7,110.0	8.48	60.93	7,059.8	216.1	657.0	-209.6	0.72	-0.66	-1.87
7,205.0	8.13	60.49	7,153.8	222.8	669.0	-216.2	0.37	-0.37	-0.46
7,300.0	8.75	65.15	7,247.8	229.1	681.4	-222.4	0.97	0.65	4.91
7,395.0	9.27	66.99	7,341.6	235.1	695.0	-228.3	0.63	0.55	1.94
7,489.0	8.79	67.17	7,434.5	240.9	708.6	-233.9	0.51	-0.51	0.19
7,584.0	8.04	66.73	7,528.4	246.3	721.4	-239.3	0.79	-0.79	-0.46
7,678.0	7.78	65.41	7,621.5	251.6	733.2	-244.4	0.34	-0.28	-1.40



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Talco State Fed Com #202H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3224.0usft (H&P 388)
Site:	(Talco) Sec-16_T-26-S_R-35-E	MD Reference:	KB @ 3224.0usft (H&P 388)
Well:	Talco State Fed Com #202H	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)
7,772.0	7.16	65.94	7,714.7	256.6	744.4	-249.3	0.66	-0.66	0.56
7,852.9	6.90	66.68	7,795.0	260.6	753.4	-253.2	0.34	-0.32	0.92
Brushy Canyon									
7,867.0	6.86	66.82	7,809.0	261.3	755.0	-253.9	0.34	-0.32	0.96
7,962.0	6.11	66.20	7,903.4	265.5	764.8	-258.0	0.79	-0.79	-0.65
8,056.0	5.67	66.03	7,996.9	269.4	773.6	-261.9	0.47	-0.47	-0.18
8,151.0	5.10	65.94	8,091.5	273.1	781.8	-265.4	0.60	-0.60	-0.09
8,245.0	4.13	67.52	8,185.2	276.1	788.7	-268.3	1.04	-1.03	1.68
8,339.0	3.43	93.01	8,279.0	277.2	794.7	-269.4	1.92	-0.74	27.12
8,433.0	3.34	102.06	8,372.8	276.5	800.1	-268.7	0.58	-0.10	9.63
8,529.0	2.64	99.95	8,468.7	275.5	805.1	-267.6	0.74	-0.73	-2.20
8,624.0	2.07	98.63	8,563.6	274.9	808.9	-267.0	0.60	-0.60	-1.39
8,718.0	2.07	96.35	8,657.6	274.4	812.3	-266.5	0.09	0.00	-2.43
8,812.0	1.93	91.52	8,751.5	274.2	815.5	-266.2	0.23	-0.15	-5.14
8,905.0	1.27	63.92	8,844.5	274.6	818.0	-266.6	1.07	-0.71	-29.68
8,999.0	1.19	41.42	8,938.4	275.8	819.6	-267.8	0.52	-0.09	-23.94
9,093.0	1.19	35.88	9,032.4	277.3	820.8	-269.3	0.12	0.00	-5.89
9,187.0	1.10	30.43	9,126.4	278.9	821.9	-270.9	0.15	-0.10	-5.80
9,282.0	1.05	40.45	9,221.4	280.4	822.9	-272.3	0.20	-0.05	10.55
9,300.6	1.00	42.75	9,240.0	280.6	823.1	-272.5	0.33	-0.25	12.38
Bone Spring Lime									
9,325.6	0.94	46.20	9,265.0	280.9	823.4	-272.8	0.33	-0.24	13.76
Upper Avalon									
9,375.0	0.84	54.34	9,314.4	281.4	824.0	-273.3	0.33	-0.21	16.49
9,470.0	1.01	66.47	9,409.4	282.1	825.3	-274.1	0.27	0.18	12.77
9,565.0	1.23	83.87	9,504.3	282.6	827.1	-274.5	0.42	0.23	18.32
9,658.0	0.70	119.64	9,597.3	282.4	828.6	-274.3	0.84	-0.57	38.46
9,725.7	0.68	157.48	9,665.0	281.8	829.1	-273.7	0.66	-0.03	55.92
Middle Avalon									
9,752.0	0.75	170.35	9,691.3	281.5	829.2	-273.4	0.66	0.26	48.89
9,847.0	1.54	184.50	9,786.3	279.6	829.2	-271.5	0.88	0.83	14.89
9,941.0	1.76	184.50	9,880.3	276.9	829.0	-268.8	0.23	0.23	0.00
10,036.0	1.98	211.75	9,975.2	274.1	828.0	-266.0	0.95	0.23	28.68
10,050.8	1.91	214.84	9,990.0	273.7	827.7	-265.6	0.87	-0.50	20.91
Lower Avalon									
10,130.0	1.63	235.39	10,069.2	271.9	826.1	-263.9	0.87	-0.35	25.94
10,225.0	1.32	262.64	10,164.1	271.0	823.9	-263.0	0.80	-0.33	28.68
10,319.0	1.05	260.53	10,258.1	270.8	821.9	-262.7	0.29	-0.29	-2.24
10,413.0	1.67	244.01	10,352.1	270.0	819.9	-262.0	0.77	0.66	-17.57
10,506.0	1.67	212.89	10,445.1	268.3	817.9	-260.3	0.96	0.00	-33.46
10,566.0	1.58	205.98	10,505.0	266.8	817.1	-258.8	0.36	-0.15	-11.53
1st Bone Spring Sand									
10,600.0	1.54	201.73	10,539.0	266.0	816.7	-258.0	0.36	-0.12	-12.48
10,695.0	1.23	200.32	10,634.0	263.8	815.9	-255.8	0.33	-0.33	-1.48
10,731.0	1.35	196.60	10,670.0	263.0	815.6	-255.1	0.40	0.32	-10.34



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Talco State Fed Com #202H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3224.0usft (H&P 388)
Site:	(Talco) Sec-16_T-26-S_R-35-E	MD Reference:	KB @ 3224.0usft (H&P 388)
Well:	Talco State Fed Com #202H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
2nd Bone Spring Carb									
10,788.0	1.54	191.89	10,727.0	261.7	815.3	-253.7	0.40	0.34	-8.26
10,882.0	1.71	210.96	10,820.9	259.2	814.3	-251.2	0.60	0.18	20.29
10,976.0	0.57	221.42	10,914.9	257.7	813.3	-249.7	1.23	-1.21	11.13
11,071.0	0.97	224.23	11,009.9	256.7	812.4	-248.8	0.42	0.42	2.96
11,081.1	1.01	220.49	11,020.0	256.6	812.3	-248.7	0.77	0.43	-37.08
2nd Bone Spring Sand									
11,165.0	1.49	199.80	11,103.9	255.0	811.4	-247.1	0.77	0.57	-24.65
11,259.0	2.24	195.49	11,197.8	252.1	810.5	-244.2	0.81	0.80	-4.59
11,354.0	1.85	205.77	11,292.8	248.9	809.3	-241.0	0.56	-0.41	10.82
11,447.0	2.20	216.23	11,385.7	246.1	807.6	-238.2	0.55	0.38	11.25
11,542.0	2.29	233.20	11,480.6	243.5	805.0	-235.6	0.70	0.09	17.86
11,566.4	1.84	241.57	11,505.0	243.0	804.3	-235.2	2.21	-1.84	34.33
3rd Bone Spring Carb									
11,636.0	1.14	298.15	11,574.6	242.8	802.7	-235.0	2.21	-1.01	81.27
11,730.0	0.92	0.90	11,668.6	244.0	801.9	-236.2	1.16	-0.23	66.76
11,824.0	0.70	288.74	11,762.6	245.0	801.4	-237.1	1.03	-0.23	-76.77
11,919.0	0.40	232.32	11,857.6	245.0	800.6	-237.1	0.61	-0.32	-59.39
12,014.0	0.53	165.96	11,952.6	244.3	800.4	-236.5	0.55	0.14	-69.85
12,110.0	0.92	113.84	12,048.6	243.6	801.2	-235.7	0.76	0.41	-54.29
12,180.0	1.67	144.95	12,118.6	242.5	802.3	-234.7	1.43	1.07	44.44
12,216.5	2.18	145.30	12,155.0	241.5	803.0	-233.7	1.40	1.40	0.96
3rd Bone Spring Sand									
12,230.0	2.37	145.39	12,168.5	241.1	803.3	-233.2	1.40	1.40	0.67
12,324.0	12.97	177.03	12,261.6	228.9	805.0	-221.0	11.72	11.28	33.66
12,372.7	22.87	172.61	12,307.9	214.0	806.5	-206.1	20.51	20.33	-9.07
FTP @ 12372.7'MD, 100'FNL & 343.8'FEL									
12,418.0	32.13	170.88	12,348.0	193.4	809.5	-185.4	20.51	20.44	-3.83
12,487.4	37.27	171.08	12,405.0	154.4	815.7	-146.4	7.42	7.42	0.28
3rd BS W Sand									
12,514.0	39.25	171.14	12,425.9	138.1	818.3	-130.1	7.42	7.42	0.24
12,572.2	42.16	173.05	12,470.0	100.5	823.5	-92.5	5.44	5.00	3.29
Wolfcamp A X Sand									
12,608.0	43.96	174.13	12,496.2	76.2	826.2	-68.1	5.44	5.04	3.00
12,649.2	47.26	176.72	12,525.0	46.9	828.5	-38.8	9.18	8.00	6.30
Wolfcamp A Y Sand									
12,702.0	51.56	179.67	12,559.4	6.8	829.7	1.3	9.18	8.15	5.58
12,755.7	58.79	182.43	12,590.0	-37.2	828.9	45.3	14.12	13.47	5.15
Wolfcamp A Lower									
12,796.0	64.26	184.24	12,609.2	-72.6	826.8	80.7	14.12	13.56	4.48
12,891.0	67.38	183.89	12,648.1	-159.0	820.7	167.0	3.30	3.28	-0.37
12,985.0	70.90	183.36	12,681.6	-246.7	815.1	254.6	3.78	3.74	-0.56
13,040.0	79.43	180.81	12,695.7	-299.8	813.2	307.7	16.14	15.51	-4.64
13,079.0	86.20	181.69	12,700.5	-338.4	812.4	346.3	17.50	17.36	2.26
13,173.0	90.51	183.62	12,703.2	-432.3	808.0	440.1	5.02	4.59	2.05



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Talco State Fed Com #202H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3224.0usft (H&P 388)
Site:	(Talco) Sec-16_T-26-S_R-35-E	MD Reference:	KB @ 3224.0usft (H&P 388)
Well:	Talco State Fed Com #202H	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)
13,267.0	91.16	185.21	12,701.9	-526.0	800.8	533.8	1.83	0.69	1.69
13,360.0	90.11	185.65	12,700.8	-618.5	792.0	626.2	1.22	-1.13	0.47
13,455.0	87.12	180.81	12,703.1	-713.3	786.6	721.0	5.99	-3.15	-5.09
13,549.0	84.00	178.00	12,710.4	-807.0	787.6	814.7	4.46	-3.32	-2.99
13,643.0	84.92	176.68	12,719.5	-900.5	791.9	908.2	1.71	0.98	-1.40
13,738.0	88.48	176.42	12,724.9	-995.1	797.6	1,002.9	3.76	3.75	-0.27
13,833.0	86.51	183.01	12,729.1	-1,090.0	798.1	1,097.7	7.23	-2.07	6.94
13,927.0	87.74	182.31	12,733.8	-1,183.8	793.8	1,191.5	1.51	1.31	-0.74
14,021.0	89.32	175.80	12,736.2	-1,277.7	795.3	1,285.4	7.12	1.68	-6.93
14,115.0	89.14	172.55	12,737.5	-1,371.1	804.8	1,378.9	3.46	-0.19	-3.46
14,209.0	89.41	175.80	12,738.7	-1,464.6	814.4	1,472.5	3.47	0.29	3.46
14,303.0	91.08	175.98	12,738.3	-1,558.4	821.1	1,566.3	1.79	1.78	0.19
14,397.0	88.57	173.96	12,738.6	-1,652.0	829.4	1,660.0	3.43	-2.67	-2.15
14,491.0	90.46	175.28	12,739.4	-1,745.6	838.2	1,753.7	2.45	2.01	1.40
14,587.0	91.56	176.24	12,737.7	-1,841.3	845.3	1,849.5	1.52	1.15	1.00
14,681.0	91.52	177.21	12,735.1	-1,935.1	850.6	1,943.3	1.03	-0.04	1.03
14,775.0	91.74	178.35	12,732.5	-2,029.0	854.3	2,037.3	1.23	0.23	1.21
14,869.0	92.97	179.67	12,728.6	-2,122.9	855.9	2,131.2	1.92	1.31	1.40
14,964.0	91.16	178.62	12,725.2	-2,217.8	857.3	2,226.1	2.20	-1.91	-1.11
15,058.0	89.49	178.53	12,724.7	-2,311.8	859.7	2,320.1	1.78	-1.78	-0.10
15,151.0	88.18	176.77	12,726.5	-2,404.7	863.5	2,413.0	2.36	-1.41	-1.89
15,245.0	88.70	181.25	12,729.1	-2,498.6	865.1	2,507.0	4.80	0.55	4.77
15,338.0	88.88	182.92	12,731.1	-2,591.5	861.7	2,599.8	1.81	0.19	1.80
15,432.0	86.86	183.01	12,734.6	-2,685.4	856.9	2,693.6	2.15	-2.15	0.10
15,526.0	86.11	182.83	12,740.3	-2,779.1	852.1	2,787.2	0.82	-0.80	-0.19
15,620.0	85.41	182.13	12,747.3	-2,872.7	848.0	2,880.9	1.05	-0.74	-0.74
15,714.0	86.29	180.39	12,754.1	-2,966.4	846.0	2,974.6	2.07	0.94	-1.85
15,808.0	87.65	180.20	12,759.0	-3,060.3	845.5	3,068.4	1.46	1.45	-0.20
15,902.0	92.00	181.95	12,759.3	-3,154.3	843.7	3,162.3	4.99	4.63	1.86
15,997.0	92.97	182.13	12,755.2	-3,249.1	840.3	3,257.2	1.04	1.02	0.19
16,091.0	90.81	181.78	12,752.1	-3,343.0	837.1	3,351.0	2.33	-2.30	-0.37
16,185.0	90.42	181.78	12,751.1	-3,436.9	834.2	3,444.9	0.41	-0.41	0.00
16,280.0	86.64	179.85	12,753.5	-3,531.9	832.9	3,539.8	4.47	-3.98	-2.03
16,374.0	84.84	179.14	12,760.5	-3,625.6	833.7	3,633.6	2.06	-1.91	-0.76
16,468.0	84.79	178.53	12,769.0	-3,719.2	835.6	3,727.2	0.65	-0.05	-0.65
16,478.9	84.88	178.45	12,770.0	-3,730.0	835.9	3,738.0	1.13	0.84	-0.76
Wolfcamp B									
16,562.0	85.58	177.82	12,776.9	-3,812.8	838.6	3,820.8	1.13	0.84	-0.76
16,656.0	86.55	178.53	12,783.4	-3,906.6	841.6	3,914.6	1.28	1.03	0.76
16,749.0	92.09	180.99	12,784.5	-3,999.5	841.9	4,007.5	6.52	5.96	2.65
16,844.0	89.19	176.86	12,783.4	-4,094.5	843.7	4,102.5	5.31	-3.05	-4.35
16,938.0	90.46	177.82	12,783.7	-4,188.3	848.1	4,196.4	1.69	1.35	1.02
17,034.0	90.24	178.35	12,783.1	-4,284.3	851.3	4,292.4	0.60	-0.23	0.55



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Talco State Fed Com #202H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3224.0usft (H&P 388)
Site:	(Talco) Sec-16_T-26-S_R-35-E	MD Reference:	KB @ 3224.0usft (H&P 388)
Well:	Talco State Fed Com #202H	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)
17,129.0	92.84	179.32	12,780.6	-4,379.2	853.2	4,387.4	2.92	2.74	1.02
17,223.0	92.62	178.88	12,776.1	-4,473.1	854.7	4,481.2	0.52	-0.23	-0.47
17,318.0	92.84	179.93	12,771.5	-4,568.0	855.7	4,576.1	1.13	0.23	1.11
17,413.0	91.96	183.80	12,767.6	-4,662.8	852.6	4,671.0	4.17	-0.93	4.07
17,507.0	91.03	185.12	12,765.1	-4,756.5	845.3	4,764.6	1.72	-0.99	1.40
17,601.0	92.22	187.58	12,762.5	-4,849.9	834.9	4,857.8	2.91	1.27	2.62
17,695.0	91.30	185.73	12,759.6	-4,943.2	824.0	4,951.0	2.20	-0.98	-1.97
17,811.0	91.25	189.07	12,757.0	-5,058.2	809.1	5,065.9	2.88	-0.04	2.88
17,905.0	86.90	184.59	12,758.5	-5,151.5	797.9	5,159.0	6.64	-4.63	-4.77
17,999.0	90.59	181.43	12,760.6	-5,245.3	793.0	5,252.8	5.17	3.93	-3.36
18,093.0	91.30	175.71	12,759.0	-5,339.2	795.3	5,346.7	6.13	0.76	-6.09
18,188.0	92.75	174.22	12,755.7	-5,433.8	803.6	5,441.4	2.19	1.53	-1.57
18,281.0	93.23	175.80	12,750.8	-5,526.3	811.7	5,534.0	1.77	0.52	1.70
18,375.0	92.18	176.86	12,746.4	-5,620.0	817.7	5,627.7	1.59	-1.12	1.13
18,470.0	91.08	174.92	12,743.7	-5,714.7	824.5	5,722.5	2.35	-1.16	-2.04
18,564.0	92.48	176.51	12,740.7	-5,808.4	831.6	5,816.3	2.25	1.49	1.69
18,658.0	93.41	177.21	12,735.9	-5,902.1	836.7	5,910.0	1.24	0.99	0.74
18,753.0	92.44	178.00	12,731.1	-5,996.9	840.7	6,004.9	1.32	-1.02	0.83
18,848.0	90.77	177.38	12,728.4	-6,091.8	844.5	6,099.8	1.88	-1.76	-0.65
18,941.0	89.71	175.71	12,728.0	-6,184.6	850.1	6,192.6	2.13	-1.14	-1.80
19,036.0	89.58	175.89	12,728.6	-6,279.4	857.1	6,287.5	0.23	-0.14	0.19
19,130.0	86.90	174.48	12,731.5	-6,373.0	864.9	6,381.1	3.22	-2.85	-1.50
19,224.0	88.84	176.07	12,735.0	-6,466.6	872.7	6,474.8	2.67	2.06	1.69
19,318.0	90.64	176.86	12,735.4	-6,560.4	878.5	6,568.7	2.09	1.91	0.84
19,412.0	91.08	181.52	12,734.0	-6,654.4	879.8	6,662.7	4.98	0.47	4.96
19,507.0	91.87	182.66	12,731.6	-6,749.3	876.3	6,757.5	1.46	0.83	1.20
19,600.0	90.81	178.53	12,729.4	-6,842.2	875.4	6,850.4	4.58	-1.14	-4.44
19,695.0	95.65	177.47	12,724.0	-6,937.0	878.7	6,945.2	5.22	5.09	-1.12
19,788.0	96.79	177.03	12,713.9	-7,029.3	883.1	7,037.6	1.31	1.23	-0.47
19,882.0	95.16	177.65	12,704.2	-7,122.7	887.5	7,131.0	1.85	-1.73	0.66
19,978.0	93.27	177.03	12,697.1	-7,218.3	891.9	7,226.7	2.07	-1.97	-0.65
20,072.0	91.30	177.47	12,693.4	-7,312.2	896.4	7,320.6	2.15	-2.10	0.47
20,168.0	90.42	176.86	12,691.9	-7,408.0	901.1	7,416.5	1.12	-0.92	-0.64
20,262.0	90.46	177.30	12,691.2	-7,501.9	905.9	7,510.4	0.47	0.04	0.47
20,356.0	89.23	176.07	12,691.5	-7,595.7	911.4	7,604.3	1.85	-1.31	-1.31
20,451.0	90.95	178.70	12,691.3	-7,690.6	915.7	7,699.2	3.31	1.81	2.77
20,546.0	91.78	182.66	12,689.0	-7,785.6	914.6	7,794.1	4.26	0.87	4.17
20,640.0	89.58	178.88	12,687.9	-7,879.5	913.3	7,888.1	4.65	-2.34	-4.02
20,734.0	90.37	178.00	12,688.0	-7,973.5	915.9	7,982.1	1.26	0.84	-0.94
20,828.0	91.60	177.21	12,686.3	-8,067.4	919.8	8,076.0	1.56	1.31	-0.84
20,922.0	91.65	176.77	12,683.7	-8,161.2	924.7	8,169.9	0.47	0.05	-0.47
21,017.0	90.46	179.32	12,681.9	-8,256.2	928.0	8,264.8	2.96	-1.25	2.68
21,113.0	91.03	178.79	12,680.7	-8,352.1	929.6	8,360.8	0.81	0.59	-0.55



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Talco State Fed Com #202H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3224.0usft (H&P 388)
Site:	(Talco) Sec-16_T-26-S_R-35-E	MD Reference:	KB @ 3224.0usft (H&P 388)
Well:	Talco State Fed Com #202H	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)
21,208.0	88.75	176.68	12,680.9	-8,447.0	933.3	8,455.8	3.27	-2.40	-2.22
21,301.0	91.87	179.85	12,680.4	-8,540.0	936.1	8,548.7	4.78	3.35	3.41
21,394.0	93.58	182.48	12,675.9	-8,632.8	934.2	8,641.6	3.37	1.84	2.83
21,487.0	91.08	181.34	12,672.2	-8,725.7	931.1	8,734.4	2.95	-2.69	-1.23
21,581.0	91.47	183.10	12,670.1	-8,819.6	927.5	8,828.3	1.92	0.41	1.87
21,677.0	90.46	181.95	12,668.5	-8,915.5	923.3	8,924.1	1.59	-1.05	-1.20
21,772.0	91.25	180.81	12,667.0	-9,010.5	921.0	9,019.0	1.46	0.83	-1.20
21,865.0	90.02	179.76	12,666.0	-9,103.4	920.5	9,112.0	1.74	-1.32	-1.13
21,960.0	91.56	180.72	12,664.7	-9,198.4	920.1	9,207.0	1.91	1.62	1.01
22,054.0	89.67	176.95	12,663.7	-9,292.4	922.0	9,301.0	4.49	-2.01	-4.01
22,149.0	90.81	180.20	12,663.3	-9,387.3	924.4	9,395.9	3.63	1.20	3.42
22,241.0	91.47	183.01	12,661.5	-9,479.3	921.8	9,487.8	3.14	0.72	3.05
22,336.0	91.52	182.92	12,659.0	-9,574.1	916.9	9,582.6	0.11	0.05	-0.09
22,429.0	90.64	185.29	12,657.2	-9,666.9	910.3	9,675.3	2.72	-0.95	2.55
22,523.0	89.80	184.86	12,656.9	-9,760.5	901.9	9,768.8	1.00	-0.89	-0.46
22,597.0	91.03	183.62	12,656.3	-9,834.3	896.5	9,842.6	2.36	1.66	-1.68
22,690.0	91.21	181.43	12,654.5	-9,927.2	892.4	9,935.4	2.36	0.19	-2.35
22,784.0	89.98	178.97	12,653.5	-10,021.2	892.1	10,029.4	2.93	-1.31	-2.62
22,879.0	88.84	176.33	12,654.5	-10,116.1	895.9	10,124.3	3.03	-1.20	-2.78
22,915.0	90.68	176.33	12,654.7	-10,152.0	898.2	10,160.3	5.11	5.11	0.00
LAST SVY									
22,916.4	90.68	176.33	12,654.6	-10,153.4	898.3	10,161.7	0.00	0.00	0.00
LTP @ 22916.4'MD, 100'FSL & 353.5'FEL									
22,986.0	90.68	176.33	12,653.8	-10,222.8	902.8	10,231.2	0.00	0.00	0.00
Projection to TD @ 22986'MD, 30.6'FSL & 349.7'FEL									

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTP (Talco State Fed - hit/miss target - Shape - Point	0.00	0.00	12,565.0	214.0	819.0	383,348.00	838,723.00	32° 3' 0.970 N	103° 22' 24.543 W
- actual wellpath misses target center by 148.0usft at 12570.5usft MD (12468.8 TVD, 101.6 N, 823.3 E)									
LTP (Talco State Fed - actual wellpath misses target center by 26.1usft at 22916.4usft MD (12654.6 TVD, -10153.4 N, 898.3 E) - Point	0.00	0.00	12,667.5	-10,153.0	921.0	372,981.00	838,825.00	32° 1' 18.380 N	103° 22' 24.428 W
PBHL (Talco State Fe - actual wellpath misses target center by 34.5usft at 22986.0usft MD (12653.8 TVD, -10222.8 N, 902.8 E) - Rectangle (sides W100.0 H3,595.0 D30.0)	-0.50	179.44	12,667.5	-10,248.0	922.0	372,886.00	838,826.00	32° 1' 17.440 N	103° 22' 24.426 W



Intrepid Survey Report



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Site:	(Talco) Sec-16_T-26-S_R-35-E	MD Reference:	KB @ 3224.0usft (H&P 388)
Well:	Talco State Fed Com #202H	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 (°)
1,025.0	1,025.0	Rustler Anhydrite			
1,590.0	1,590.0	Top Salt			
4,968.4	4,940.0	Base Salt			
5,357.4	5,325.0	Delaware Mountain Gp			
5,372.5	5,340.0	Lamar			
5,392.7	5,360.0	Bell Canyon			
5,417.8	5,385.0	Ramsey Sand			
6,603.4	6,560.0	Cherry Canyon			
7,852.9	7,795.0	Brushy Canyon			
9,300.6	9,240.0	Bone Spring Lime			
9,325.6	9,265.0	Upper Avalon			
9,725.7	9,665.0	Middle Avalon			
10,050.8	9,990.0	Lower Avalon			
10,566.0	10,505.0	1st Bone Spring Sand			
10,731.0	10,670.0	2nd Bone Spring Carb			
11,081.1	11,020.0	2nd Bone Spring Sand			
11,566.4	11,505.0	3rd Bone Spring Carb			
12,216.5	12,155.0	3rd Bone Spring Sand			
12,487.4	12,405.0	3rd BS W Sand			
12,572.2	12,470.0	Wolfcamp A X Sand			
12,649.2	12,525.0	Wolfcamp A Y Sand			
12,755.7	12,590.0	Wolfcamp A Lower			
16,478.9	12,770.0	Wolfcamp B			

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
12,372.7	12,307.9	214.0	806.5	FTP @ 12372.7'MD, 100'FNL & 343.8'FEL
22,915.0	12,654.7	-10,152.0	898.2	LAST SVY
22,916.4	12,654.6	-10,153.4	898.3	LTP @ 22916.4'MD, 100'FSL & 353.5'FEL
22,986.0	12,653.8	-10,222.8	902.8	Projection to TD @ 22986'MD, 30.6'FSL & 349.7'FEL

Checked By: _____ Approved By: _____ Date: _____

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1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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Phone:(575) 748-1283 Fax:(575) 748-9720
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District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 18053

CONDITIONS OF APPROVAL

Operator: TAP ROCK OPERATING, LLC Suite 200 Golden, CO80401	523 Park Point Drive	OGRID: 372043	Action Number: 18053	Action Type: C-104C
OCD Reviewer plmartinez	Condition None			