

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 25-46977	⁵ Pool Name JAL; Wolfcamp, West		⁶ Pool Code 33813
⁷ Property Code 327300	⁸ Property Name Black Marlin Fed Com		⁹ Well Number 214H

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
B	18	25-S	36-E	-	185'	NORTH	1331'	EAST	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
P	19	25-S	36-E	-	27'	SOUTH	323'	EAST	LEA
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 11/16/2020	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 5/22/2020	²² Ready Date 11/14/2020	²³ TD 22055'	²⁴ PBTD 21994'	²⁵ Perforations 11842' - 21911'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5"	13.375"	1319'	1200 sks		
12.25"	9.625"	5341'	1926 sks		
8.75"	7.625"	11165'	503 sks		
6.75"	5.5" / 5"	10851' / 22040'	1373 sks		

V. Well Test Data

³¹ Date New Oil 11/16/2020	³² Gas Delivery Date 11/16/2020	³³ Test Date 11/28/2020	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 0	³⁶ Csg. Pressure 1518
³⁷ Choke Size 46/64	³⁸ Oil 2459	³⁹ Water 5323	⁴⁰ Gas 2393		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: 2/15/2021	
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: 12/22/2020	Phone: 720-360-4028	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
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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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-46977	² Pool Code 33813	³ Pool Name JAL; WOLFCAMP, WEST
⁴ Property Code 327300	⁵ Property Name BLACK MARLIN FED COM	⁶ Well Number 214H
⁷ OGRID No. #372043	⁸ Operator Name TAP ROCK OPERATING, LLC.	⁹ Elevation 3180'

¹⁰Surface Location

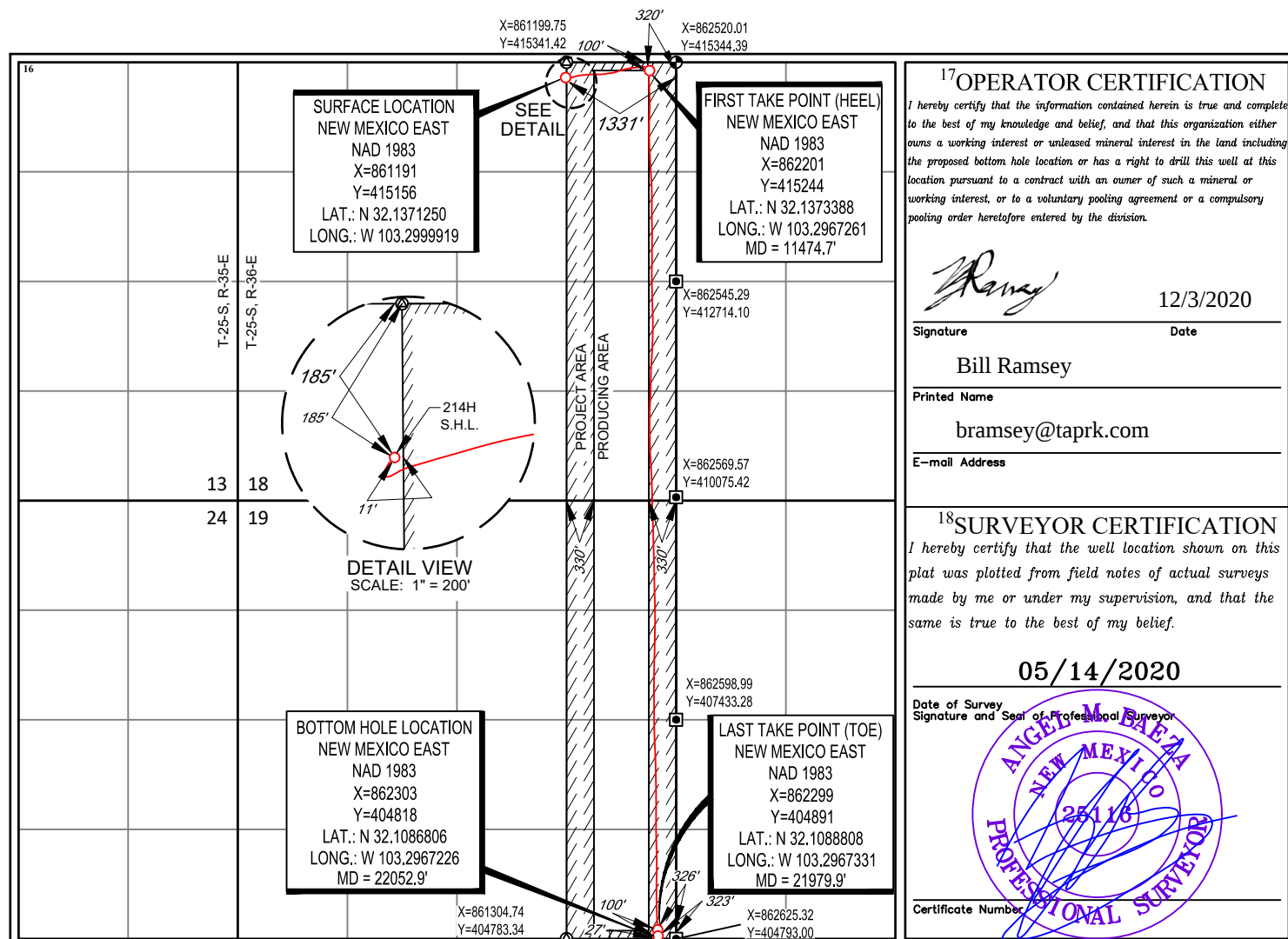
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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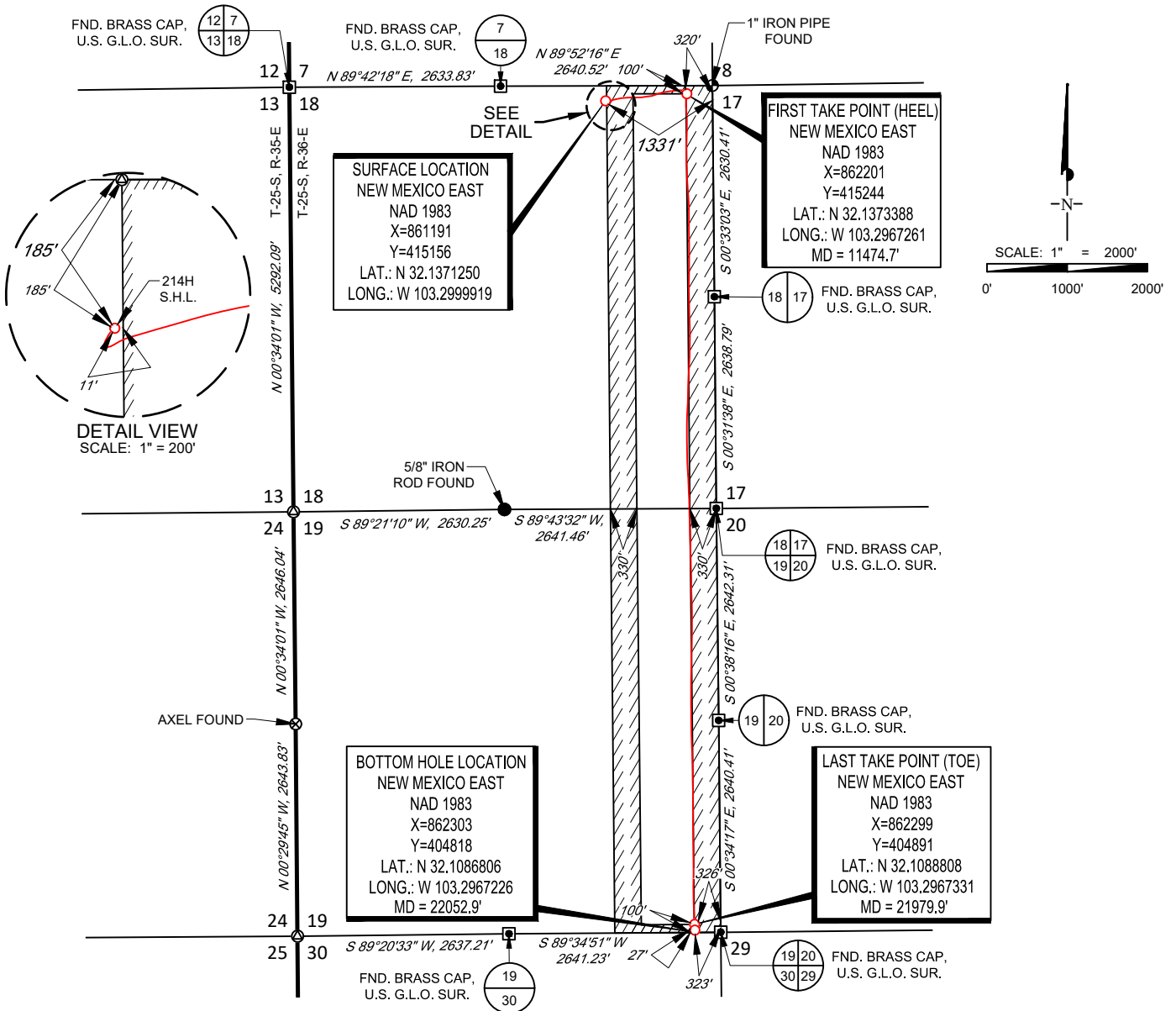
¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	19	25-S	36-E	-	27'	SOUTH	323'	EAST	LEA

¹² Dedicated Acres 320.00	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.: BLACK MARLIN FED COM 214H
 SECTION 18 TWP 25-S RGE 36-E SURVEY N.M.P.M.
 COUNTY LEA STATE NM ELEVATION 3180'
 DESCRIPTION 185' FNL & 1331' FEL



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**

BLACK MARLIN FED COM 214H PRE-COMPLETION	REVISION:		NOTES:
	INT	DATE	
DATE: 06/23/2020			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:\BLACK_MARLIN_FED_COM_214H			
DRAWN BY: H.B.			
SHEET: 1 OF 1			

S:\SURVEY\TAPROCK\BLACK_MARLIN\FINAL_PRODUCT\TIC_BLACK_MARLIN_FED_COM_214H.DWG 6/23/2020 1:26:03 PM abaeza



Tap Rock Resources, LLC

**Lea County, NM (NAD 83 NME)
(Black Marlin) Sec-18_T-25-S_R-36-E
Black Marlin Fed Com #214H**

OWB

Design: AWB

Standard Survey Report

15 June, 2020





Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Black Marlin Fed Com #214H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3210.0usft (H&P 388)
Site:	(Black Marlin) Sec-18_T-25-S_R-36-E	MD Reference:	KB @ 3210.0usft (H&P 388)
Well:	Black Marlin Fed Com #214H	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	(Black Marlin) Sec-18_T-25-S_R-36-E		
Site Position:		Northing:	415,156.00 usft
From:	Map	Easting:	861,141.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 8' 13.653 N
		Longitude:	103° 18' 0.552 W
		Grid Convergence:	0.55 °

Well	Black Marlin Fed Com #214H		
Well Position	+N/-S	0.0 usft	Northing: 415,156.00 usft
	+E/-W	0.0 usft	Easting: 861,191.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 8' 13.648 N
		Longitude:	103° 17' 59.970 W
		Ground Level:	3,184.0 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	05/25/20	6.49	59.73	47,690.19352032

Design	AWB				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	179.43	

Survey Program	Date	06/15/20			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
179.0	22,055.0	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
179.0	0.31	218.28	179.0	-0.4	-0.3	0.4	0.17	0.17	0.00
240.0	0.62	240.96	240.0	-0.7	-0.7	0.7	0.58	0.51	37.18
315.0	0.73	238.47	315.0	-1.1	-1.5	1.1	0.15	0.14	-3.32
Rustler Anhydrite									
330.0	0.75	238.06	330.0	-1.2	-1.6	1.2	0.15	0.15	-2.74
419.0	1.01	231.99	419.0	-2.0	-2.7	2.0	0.31	0.29	-6.82
509.0	1.19	223.29	509.0	-3.2	-4.0	3.1	0.27	0.20	-9.67
602.0	0.97	212.66	601.9	-4.5	-5.1	4.5	0.32	-0.24	-11.43
693.0	1.10	213.89	692.9	-5.9	-6.0	5.9	0.14	0.14	1.35
785.0	1.01	221.45	784.9	-7.3	-7.0	7.2	0.18	-0.10	8.22



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Well:	Black Marlin Fed Com #214H	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)
855.1	1.04	213.13	855.0	-8.3	-7.8	8.2	0.22	0.04	-11.87
Top Salt									
877.0	1.05	210.64	876.9	-8.6	-8.0	8.5	0.22	0.06	-11.38
968.0	0.79	206.07	967.9	-9.9	-8.7	9.8	0.30	-0.29	-5.02
1,063.0	0.75	199.65	1,062.9	-11.0	-9.2	11.0	0.10	-0.04	-6.76
1,158.0	0.97	221.18	1,157.9	-12.2	-9.9	12.1	0.41	0.23	22.66
1,256.0	1.27	205.63	1,255.9	-13.8	-10.9	13.7	0.43	0.31	-15.87
1,353.0	1.49	200.44	1,352.8	-16.0	-11.8	15.9	0.26	0.23	-5.35
1,449.0	1.32	196.14	1,448.8	-18.2	-12.6	18.1	0.21	-0.18	-4.48
1,544.0	1.23	161.24	1,543.8	-20.2	-12.6	20.1	0.81	-0.09	-36.74
1,639.0	0.88	145.86	1,638.8	-21.8	-11.8	21.7	0.47	-0.37	-16.19
1,734.0	0.97	136.81	1,733.7	-23.0	-10.9	22.9	0.18	0.09	-9.53
1,829.0	2.20	80.73	1,828.7	-23.3	-8.5	23.2	1.94	1.29	-59.03
1,924.0	2.24	75.46	1,923.6	-22.5	-4.9	22.5	0.22	0.04	-5.55
2,020.0	3.87	54.81	2,019.5	-20.2	-0.4	20.2	2.02	1.70	-21.51
2,115.0	5.76	61.40	2,114.2	-16.1	6.4	16.1	2.07	1.99	6.94
2,210.0	7.52	71.59	2,208.5	-11.8	16.4	12.0	2.22	1.85	10.73
2,305.0	7.47	75.55	2,302.7	-8.3	28.3	8.6	0.55	-0.05	4.17
2,401.0	7.43	72.47	2,397.9	-4.9	40.3	5.3	0.42	-0.04	-3.21
2,496.0	7.56	74.06	2,492.1	-1.3	52.1	1.8	0.26	0.14	1.67
2,591.0	7.47	74.32	2,586.3	2.1	64.1	-1.4	0.10	-0.09	0.27
2,686.0	10.37	74.32	2,680.1	6.0	78.3	-5.3	3.05	3.05	0.00
2,781.0	11.38	73.53	2,773.4	11.0	95.5	-10.1	1.07	1.06	-0.83
2,876.0	12.18	75.29	2,866.4	16.2	114.2	-15.1	0.92	0.84	1.85
2,970.0	12.84	77.22	2,958.2	21.0	134.0	-19.7	0.83	0.70	2.05
3,065.0	13.27	78.54	3,050.7	25.5	154.9	-24.0	0.55	0.45	1.39
3,160.0	13.27	79.94	3,143.2	29.6	176.4	-27.9	0.34	0.00	1.47
3,256.0	13.05	83.46	3,236.7	32.8	198.0	-30.8	0.87	-0.23	3.67
3,351.0	12.70	84.07	3,329.3	35.1	219.0	-32.9	0.40	-0.37	0.64
3,446.0	12.13	85.92	3,422.1	36.9	239.4	-34.5	0.73	-0.60	1.95
3,542.0	10.77	86.54	3,516.1	38.1	258.4	-35.6	1.42	-1.42	0.65
3,636.0	9.80	87.06	3,608.6	39.1	275.1	-36.3	1.04	-1.03	0.55
3,731.0	9.19	86.18	3,702.3	40.0	290.8	-37.1	0.66	-0.64	-0.93
3,827.0	8.66	86.71	3,797.2	40.9	305.6	-37.9	0.56	-0.55	0.55
3,922.0	8.04	86.98	3,891.2	41.7	319.4	-38.5	0.65	-0.65	0.28
4,017.0	7.60	90.58	3,985.3	42.0	332.3	-38.6	0.69	-0.46	3.79
4,112.0	7.43	91.37	4,079.5	41.7	344.8	-38.3	0.21	-0.18	0.83
4,163.0	7.21	90.27	4,130.0	41.7	351.3	-38.2	0.51	-0.42	-2.16
Base Salt									
4,207.0	7.03	89.26	4,173.7	41.7	356.7	-38.1	0.51	-0.42	-2.29
4,302.0	7.30	89.08	4,268.0	41.8	368.6	-38.2	0.29	0.28	-0.19
4,398.0	6.73	93.39	4,363.2	41.6	380.3	-37.8	0.81	-0.59	4.49
4,465.2	6.91	92.27	4,430.0	41.2	388.3	-37.4	0.33	0.27	-1.66



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Lamar									
4,494.0	6.99	91.81	4,458.6	41.1	391.7	-37.2	0.33	0.27	-1.60
4,515.6	7.17	91.44	4,480.0	41.0	394.4	-37.1	0.86	0.83	-1.70
Delaware Mountain Gp									
4,566.0	7.59	90.65	4,530.0	40.9	400.9	-36.9	0.86	0.83	-1.57
Bell Canyon									
4,589.0	7.78	90.32	4,552.8	40.9	403.9	-36.9	0.86	0.83	-1.45
4,601.3	7.85	90.00	4,565.0	40.9	405.6	-36.8	0.70	0.60	-2.59
Ramsey Sand									
4,683.0	8.35	88.03	4,645.8	41.1	417.1	-36.9	0.70	0.61	-2.41
4,779.0	9.71	83.11	4,740.6	42.3	432.1	-38.0	1.63	1.42	-5.13
4,874.0	9.63	86.36	4,834.3	43.8	448.0	-39.3	0.58	-0.08	3.42
4,970.0	9.71	82.93	4,928.9	45.3	464.1	-40.6	0.61	0.08	-3.57
5,064.0	10.24	78.89	5,021.5	47.8	480.1	-43.1	0.93	0.56	-4.30
5,160.0	10.24	81.88	5,116.0	50.7	496.9	-45.7	0.55	0.00	3.11
5,255.0	10.11	81.26	5,209.5	53.2	513.5	-48.0	0.18	-0.14	-0.65
5,288.0	10.07	83.64	5,242.0	53.9	519.3	-48.7	1.27	-0.12	7.21
5,428.0	9.76	84.51	5,379.9	56.4	543.3	-51.0	0.25	-0.22	0.62
5,458.5	9.55	84.59	5,410.0	56.9	548.3	-51.4	0.70	-0.69	0.27
Cherry Canyon									
5,523.0	9.10	84.78	5,473.6	57.9	558.7	-52.3	0.70	-0.69	0.29
5,618.0	9.32	75.11	5,567.4	60.5	573.7	-54.8	1.64	0.23	-10.18
5,712.0	9.85	72.03	5,660.1	65.0	588.7	-59.1	0.78	0.56	-3.28
5,806.0	9.67	70.98	5,752.7	70.0	603.8	-64.0	0.27	-0.19	-1.12
5,901.0	9.36	71.15	5,846.4	75.1	618.6	-68.9	0.33	-0.33	0.18
5,995.0	9.41	70.36	5,939.2	80.2	633.1	-73.9	0.15	0.05	-0.84
6,090.0	9.23	69.84	6,032.9	85.4	647.6	-78.9	0.21	-0.19	-0.55
6,184.0	9.01	68.96	6,125.7	90.6	661.5	-84.0	0.28	-0.23	-0.94
6,279.0	9.45	74.58	6,219.5	95.4	676.0	-88.6	1.06	0.46	5.92
6,374.0	10.02	80.12	6,313.1	98.9	691.6	-92.0	1.15	0.60	5.83
6,469.0	10.02	78.98	6,406.7	101.9	707.9	-94.8	0.21	0.00	-1.20
6,487.6	10.02	78.98	6,425.0	102.5	711.1	-95.4	0.00	0.00	0.00
Brushy Canyon									
6,564.0	10.02	78.89	6,500.2	105.0	724.1	-97.8	0.02	0.00	-0.12
6,659.0	9.80	79.07	6,593.8	108.2	740.2	-100.8	0.23	-0.23	0.19
6,754.0	9.19	78.71	6,687.5	111.2	755.5	-103.7	0.65	-0.64	-0.38
6,849.0	8.70	78.27	6,781.3	114.1	770.0	-106.5	0.52	-0.52	-0.46
6,944.0	8.62	79.33	6,875.3	116.9	784.0	-109.1	0.19	-0.08	1.12
7,039.0	9.19	81.97	6,969.1	119.3	798.6	-111.3	0.74	0.60	2.78
7,134.0	8.62	83.64	7,063.0	121.1	813.1	-113.0	0.66	-0.60	1.76
7,229.0	7.91	85.39	7,157.0	122.4	826.7	-114.2	0.79	-0.75	1.84
7,324.0	8.48	84.60	7,251.0	123.6	840.2	-115.3	0.61	0.60	-0.83
7,420.0	8.35	85.39	7,346.0	124.9	854.2	-116.4	0.18	-0.14	0.82
7,515.0	7.38	85.48	7,440.1	125.9	867.2	-117.3	1.02	-1.02	0.09
7,610.0	6.29	85.31	7,534.4	126.8	878.4	-118.1	1.15	-1.15	-0.18



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Black Marlin Fed Com #214H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3210.0usft (H&P 388)
Site:	(Black Marlin) Sec-18_T-25-S_R-36-E	MD Reference:	KB @ 3210.0usft (H&P 388)
Well:	Black Marlin Fed Com #214H	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)
7,705.0	6.55	81.53	7,628.8	128.0	889.0	-119.2	0.52	0.27	-3.98
7,799.0	5.85	79.07	7,722.3	129.7	899.0	-120.8	0.80	-0.74	-2.62
7,894.0	6.11	82.76	7,816.7	131.3	908.8	-122.2	0.49	0.27	3.88
7,989.0	7.30	89.35	7,911.1	132.0	919.8	-122.8	1.49	1.25	6.94
8,083.0	6.95	90.67	8,004.4	132.0	931.5	-122.7	0.41	-0.37	1.40
8,178.0	6.51	93.22	8,098.7	131.6	942.6	-122.2	0.56	-0.46	2.68
8,229.6	6.29	92.94	8,150.0	131.3	948.3	-121.9	0.43	-0.42	-0.54
Bone Spring Lime									
8,254.8	6.19	92.80	8,175.0	131.2	951.1	-121.7	0.43	-0.42	-0.57
Upper Avalon									
8,273.0	6.11	92.69	8,193.1	131.1	953.0	-121.6	0.43	-0.42	-0.59
8,368.0	5.45	93.30	8,287.7	130.6	962.6	-121.0	0.70	-0.69	0.64
8,463.0	5.01	96.91	8,382.3	129.8	971.2	-120.2	0.58	-0.46	3.80
8,526.0	4.80	98.23	8,445.0	129.1	976.5	-119.4	0.38	-0.33	2.10
Middle Avalon									
8,557.0	4.70	98.93	8,475.9	128.7	979.1	-119.0	0.38	-0.33	2.24
8,652.0	4.40	98.14	8,570.6	127.6	986.5	-117.8	0.32	-0.32	-0.83
8,748.0	2.07	97.26	8,666.5	126.9	991.9	-117.0	2.43	-2.43	-0.92
8,842.0	1.10	81.79	8,760.4	126.8	994.5	-116.9	1.12	-1.03	-16.46
8,937.0	1.10	126.53	8,855.4	126.4	996.1	-116.5	0.88	0.00	47.09
9,006.6	1.16	131.79	8,925.0	125.5	997.2	-115.6	0.18	0.09	7.56
Lower Avalon									
9,032.0	1.19	133.56	8,950.4	125.1	997.6	-115.2	0.18	0.10	6.98
9,127.0	1.23	141.73	9,045.4	123.7	998.9	-113.7	0.19	0.04	8.60
9,222.0	1.54	144.02	9,140.3	121.8	1,000.3	-111.9	0.33	0.33	2.41
9,317.0	0.31	338.17	9,235.3	121.0	1,000.9	-111.1	1.94	-1.29	-174.58
9,413.0	0.62	20.97	9,331.3	121.8	1,001.0	-111.8	0.46	0.32	44.58
9,501.7	0.33	15.74	9,420.0	122.5	1,001.3	-112.5	0.33	-0.33	-5.90
1st Bone Spring Sand									
9,508.0	0.31	14.99	9,426.3	122.5	1,001.3	-112.5	0.33	-0.32	-11.79
9,602.0	1.01	3.13	9,520.3	123.6	1,001.4	-113.6	0.75	0.74	-12.62
9,696.7	0.41	30.25	9,615.0	124.7	1,001.6	-114.7	0.71	-0.64	28.64
2nd Bone Spring Carb									
9,698.0	0.40	31.16	9,616.3	124.7	1,001.6	-114.7	0.71	-0.52	69.64
9,793.0	0.57	42.77	9,711.3	125.3	1,002.1	-115.4	0.21	0.18	12.22
9,888.0	0.66	51.29	9,806.3	126.0	1,002.9	-116.0	0.13	0.09	8.97
9,983.0	0.53	73.53	9,901.3	126.5	1,003.7	-116.5	0.28	-0.14	23.41
10,078.0	0.57	21.50	9,996.3	127.0	1,004.3	-117.1	0.51	0.04	-54.77
10,081.7	0.57	22.70	10,000.0	127.1	1,004.3	-117.1	0.32	-0.03	32.49
2nd Bone Spring Sand									
10,173.0	0.62	51.12	10,091.3	127.8	1,004.9	-117.8	0.32	0.06	31.13
10,269.0	0.97	95.50	10,187.3	128.1	1,006.1	-118.0	0.71	0.36	46.23
10,364.0	1.49	123.54	10,282.3	127.3	1,007.9	-117.3	0.82	0.55	29.52
10,459.0	2.11	134.79	10,377.2	125.4	1,010.2	-115.3	0.75	0.65	11.84



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Well:	Black Marlin Fed Com #214H	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)
10,555.0	1.32	81.09	10,473.2	124.3	1,012.5	-114.2	1.77	-0.82	-55.94
10,650.0	1.05	68.52	10,568.2	124.8	1,014.4	-114.7	0.39	-0.28	-13.23
10,721.9	1.07	349.07	10,640.0	125.7	1,014.9	-115.6	1.89	0.03	-110.57
3rd Bone Spring Carb									
10,746.0	1.41	334.83	10,664.1	126.2	1,014.7	-116.1	1.89	1.40	-58.99
10,841.0	1.98	313.12	10,759.1	128.4	1,013.0	-118.3	0.89	0.60	-22.85
10,937.0	1.58	336.94	10,855.1	130.7	1,011.3	-120.7	0.87	-0.42	24.81
11,031.0	2.37	335.44	10,949.0	133.7	1,010.0	-123.6	0.84	0.84	-1.60
11,116.0	1.89	352.67	11,033.9	136.7	1,009.1	-126.6	0.94	-0.56	20.27
11,261.0	1.93	28.09	11,178.9	141.2	1,009.9	-131.1	0.80	0.03	24.43
11,342.5	9.87	174.38	11,260.0	135.4	1,011.3	-125.4	14.14	9.74	179.52
3rd Bone Spring Sand									
11,357.0	11.91	175.31	11,274.2	132.7	1,011.5	-122.6	14.14	14.09	6.41
11,452.0	29.27	183.48	11,362.9	99.5	1,010.9	-89.4	18.48	18.27	8.60
11,475.9	30.13	183.48	11,383.6	87.7	1,010.2	-77.6	3.61	3.61	0.00
FTP @ 11475.9'MD, 100'FNL & 319.8'FEL									
11,506.6	31.24	183.48	11,410.0	72.1	1,009.2	-62.0	3.61	3.61	0.00
3rd BS W Sand									
11,546.0	32.66	183.48	11,443.4	51.2	1,008.0	-41.2	3.61	3.61	0.00
11,559.8	33.39	183.86	11,455.0	43.7	1,007.5	-33.7	5.51	5.29	2.78
Wolfcamp A X Sand									
11,639.6	37.64	185.82	11,520.0	-2.5	1,003.5	12.5	5.51	5.32	2.45
Wolfcamp A Y Sand									
11,641.0	37.71	185.85	11,521.1	-3.3	1,003.4	13.3	5.51	5.34	2.21
11,737.0	49.27	177.59	11,590.7	-69.1	1,002.0	79.1	13.40	12.04	-8.60
11,784.8	55.02	176.50	11,620.0	-106.8	1,003.9	116.8	12.16	12.02	-2.27
Wolfcamp A Lower									
11,832.0	60.70	175.57	11,645.1	-146.6	1,006.7	156.7	12.16	12.04	-1.98
11,926.0	65.71	178.82	11,687.4	-230.4	1,010.8	240.5	6.16	5.33	3.46
11,985.0	68.53	179.00	11,710.4	-284.8	1,011.8	294.8	4.79	4.78	0.31
12,079.0	77.93	182.25	11,737.5	-374.6	1,010.7	384.7	10.53	10.00	3.46
12,174.0	80.31	182.07	11,755.4	-467.9	1,007.2	477.9	2.51	2.51	-0.19
12,268.0	91.78	181.55	11,761.9	-561.4	1,004.3	571.4	12.21	12.20	-0.55
12,364.0	87.34	179.52	11,762.6	-657.4	1,003.4	667.3	5.09	-4.63	-2.11
12,458.0	89.05	178.29	11,765.6	-751.3	1,005.2	761.3	2.24	1.82	-1.31
12,554.0	89.67	177.15	11,766.7	-847.2	1,009.0	857.2	1.35	0.65	-1.19
12,649.0	91.47	177.33	11,765.7	-942.1	1,013.6	952.2	1.90	1.89	0.19
12,744.0	91.30	176.80	11,763.4	-1,037.0	1,018.4	1,047.0	0.59	-0.18	-0.56
12,839.0	91.43	176.18	11,761.2	-1,131.8	1,024.2	1,141.9	0.67	0.14	-0.65
12,934.0	89.67	175.66	11,760.2	-1,226.5	1,031.0	1,236.7	1.93	-1.85	-0.55
13,029.0	89.93	178.82	11,760.6	-1,321.4	1,035.6	1,331.6	3.34	0.27	3.33
13,124.0	89.85	179.52	11,760.8	-1,416.4	1,037.0	1,426.6	0.74	-0.08	0.74
13,219.0	90.29	180.49	11,760.6	-1,511.4	1,036.9	1,521.6	1.12	0.46	1.02
13,314.0	89.10	179.88	11,761.1	-1,606.4	1,036.6	1,616.6	1.41	-1.25	-0.64
13,409.0	91.47	178.82	11,760.7	-1,701.4	1,037.7	1,711.6	2.73	2.49	-1.12



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Well:	Black Marlin Fed Com #214H	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)
13,504.0	92.84	178.56	11,757.1	-1,796.3	1,039.9	1,806.5	1.47	1.44	-0.27
13,599.0	90.77	180.67	11,754.1	-1,891.2	1,040.5	1,901.5	3.11	-2.18	2.22
13,694.0	89.36	180.75	11,754.0	-1,986.2	1,039.3	1,996.4	1.49	-1.48	0.08
13,788.0	87.34	179.61	11,756.7	-2,080.1	1,039.1	2,090.4	2.47	-2.15	-1.21
13,883.0	91.56	181.11	11,757.6	-2,175.1	1,038.5	2,185.3	4.71	4.44	1.58
13,978.0	92.18	180.84	11,754.5	-2,270.1	1,036.8	2,280.3	0.71	0.65	-0.28
14,073.0	88.66	179.70	11,753.8	-2,365.0	1,036.4	2,375.2	3.89	-3.71	-1.20
14,169.0	86.77	178.91	11,757.6	-2,460.9	1,037.6	2,471.1	2.13	-1.97	-0.82
14,264.0	87.78	179.08	11,762.2	-2,555.8	1,039.2	2,566.0	1.08	1.06	0.18
14,359.0	89.54	178.56	11,764.4	-2,650.8	1,041.2	2,661.0	1.93	1.85	-0.55
14,453.0	88.79	178.03	11,765.8	-2,744.7	1,044.0	2,755.0	0.98	-0.80	-0.56
14,546.0	90.46	177.59	11,766.4	-2,837.6	1,047.5	2,847.9	1.86	1.80	-0.47
14,636.0	93.01	179.96	11,763.6	-2,927.6	1,049.5	2,937.9	3.87	2.83	2.63
14,725.0	93.01	181.37	11,759.0	-3,016.4	1,048.4	3,026.7	1.58	0.00	1.58
14,814.0	91.82	180.58	11,755.2	-3,105.3	1,046.9	3,115.6	1.60	-1.34	-0.89
14,907.0	93.49	182.16	11,750.9	-3,198.2	1,044.7	3,208.4	2.47	1.80	1.70
15,001.0	88.22	183.48	11,749.5	-3,292.1	1,040.1	3,302.2	5.78	-5.61	1.40
15,094.0	88.53	182.86	11,752.1	-3,384.9	1,034.9	3,395.0	0.75	0.33	-0.67
15,187.0	89.76	183.83	11,753.5	-3,477.7	1,029.5	3,487.8	1.68	1.32	1.04
15,281.0	90.90	180.75	11,753.0	-3,571.6	1,025.7	3,581.6	3.49	1.21	-3.28
15,374.0	88.22	180.93	11,753.7	-3,664.6	1,024.4	3,674.6	2.89	-2.88	0.19
15,467.0	86.59	181.46	11,757.9	-3,757.5	1,022.4	3,767.5	1.84	-1.75	0.57
15,560.0	91.30	183.13	11,759.6	-3,850.4	1,018.7	3,860.3	5.37	5.06	1.80
15,653.0	91.03	180.58	11,757.7	-3,943.3	1,015.7	3,953.2	2.76	-0.29	-2.74
15,746.0	91.25	180.40	11,755.9	-4,036.3	1,014.9	4,046.2	0.31	0.24	-0.19
15,839.0	88.22	179.96	11,756.3	-4,129.2	1,014.6	4,139.1	3.29	-3.26	-0.47
15,931.0	87.65	179.44	11,759.6	-4,221.2	1,015.1	4,231.1	0.84	-0.62	-0.57
16,024.0	87.30	179.00	11,763.7	-4,314.1	1,016.4	4,324.0	0.60	-0.38	-0.47
16,117.0	89.67	179.00	11,766.2	-4,407.0	1,018.0	4,416.9	2.55	2.55	0.00
16,210.0	89.67	177.85	11,766.7	-4,500.0	1,020.5	4,509.9	1.24	0.00	-1.24
16,305.0	89.93	176.36	11,767.1	-4,594.9	1,025.3	4,604.8	1.59	0.27	-1.57
16,400.0	92.04	176.27	11,765.4	-4,689.6	1,031.4	4,699.7	2.22	2.22	-0.09
16,495.0	93.85	178.12	11,760.5	-4,784.4	1,036.1	4,794.5	2.72	1.91	1.95
16,590.0	93.49	177.77	11,754.5	-4,879.1	1,039.5	4,889.2	0.53	-0.38	-0.37
16,685.0	93.76	177.77	11,748.5	-4,973.9	1,043.2	4,984.0	0.28	0.28	0.00
16,778.0	93.49	179.35	11,742.6	-5,066.7	1,045.5	5,076.8	1.72	-0.29	1.70
16,870.0	91.91	178.38	11,738.2	-5,158.5	1,047.3	5,168.7	2.01	-1.72	-1.05
16,962.0	91.25	177.77	11,735.7	-5,250.5	1,050.4	5,260.6	0.98	-0.72	-0.66
17,057.0	91.16	178.38	11,733.7	-5,345.4	1,053.6	5,355.6	0.65	-0.09	0.64
17,152.0	91.56	178.29	11,731.4	-5,440.3	1,056.4	5,450.6	0.43	0.42	-0.09
17,244.0	92.26	178.65	11,728.4	-5,532.2	1,058.8	5,542.5	0.86	0.76	0.39
17,339.0	91.69	178.56	11,725.1	-5,627.1	1,061.1	5,637.4	0.61	-0.60	-0.09
17,430.0	92.92	178.47	11,721.4	-5,718.0	1,063.5	5,728.3	1.36	1.35	-0.10



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Design:	AWB	Database:	EDM 5000.15 Single User Db

Survey									
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17,525.0	93.45	178.12	11,716.2	-5,812.8	1,066.3	5,823.2	0.67	0.56	-0.37
17,616.0	92.66	178.65	11,711.3	-5,903.7	1,068.9	5,914.0	1.04	-0.87	0.58
17,711.0	89.76	179.61	11,709.3	-5,998.6	1,070.3	6,009.0	3.22	-3.05	1.01
17,804.0	89.71	179.17	11,709.7	-6,091.6	1,071.3	6,102.0	0.48	-0.05	-0.47
17,897.0	86.07	177.24	11,713.2	-6,184.5	1,074.2	6,194.9	4.43	-3.91	-2.08
17,990.0	90.64	178.82	11,715.8	-6,277.4	1,077.4	6,287.8	5.20	4.91	1.70
18,084.0	90.33	179.00	11,715.0	-6,371.4	1,079.2	6,381.8	0.38	-0.33	0.19
18,177.0	90.68	180.14	11,714.2	-6,464.4	1,079.9	6,474.8	1.28	0.38	1.23
18,270.0	90.81	180.05	11,713.0	-6,557.3	1,079.7	6,567.8	0.17	0.14	-0.10
18,363.0	92.44	180.67	11,710.4	-6,650.3	1,079.2	6,660.7	1.88	1.75	0.67
18,456.0	92.40	181.28	11,706.4	-6,743.2	1,077.6	6,753.6	0.66	-0.04	0.66
18,549.0	89.32	181.55	11,705.1	-6,836.2	1,075.3	6,846.5	3.32	-3.31	0.29
18,642.0	87.65	181.37	11,707.5	-6,929.1	1,072.9	6,939.4	1.81	-1.80	-0.19
18,737.0	87.87	181.46	11,711.2	-7,024.0	1,070.6	7,034.3	0.25	0.23	0.09
18,831.0	87.56	180.75	11,715.0	-7,117.9	1,068.8	7,128.2	0.82	-0.33	-0.76
18,927.0	86.73	180.58	11,719.8	-7,213.8	1,067.6	7,224.0	0.88	-0.86	-0.18
19,020.0	88.00	180.14	11,724.0	-7,306.7	1,067.1	7,316.9	1.45	1.37	-0.47
19,115.0	88.04	179.70	11,727.3	-7,401.6	1,067.2	7,411.9	0.46	0.04	-0.46
19,232.0	89.49	179.61	11,729.8	-7,518.6	1,067.9	7,528.8	1.24	1.24	-0.08
19,326.0	91.03	179.96	11,729.4	-7,612.6	1,068.3	7,622.8	1.68	1.64	0.37
19,422.0	90.02	179.52	11,728.5	-7,708.6	1,068.7	7,718.8	1.15	-1.05	-0.46
19,517.0	89.32	178.91	11,729.1	-7,803.6	1,070.0	7,813.8	0.98	-0.74	-0.64
19,612.0	90.42	178.21	11,729.3	-7,898.5	1,072.4	7,908.8	1.37	1.16	-0.74
19,707.0	92.75	177.85	11,726.7	-7,993.4	1,075.6	8,003.7	2.48	2.45	-0.38
19,802.0	92.84	177.50	11,722.0	-8,088.2	1,079.5	8,098.6	0.38	0.09	-0.37
19,897.0	92.44	176.80	11,717.7	-8,183.0	1,084.2	8,193.4	0.85	-0.42	-0.74
19,993.0	92.09	179.35	11,713.9	-8,278.9	1,087.4	8,289.3	2.68	-0.36	2.66
20,087.0	91.74	179.44	11,710.7	-8,372.8	1,088.4	8,383.2	0.38	-0.37	0.10
20,183.0	92.22	178.91	11,707.4	-8,468.7	1,089.8	8,479.2	0.74	0.50	-0.55
20,278.0	88.97	179.35	11,706.4	-8,563.7	1,091.2	8,574.2	3.45	-3.42	0.46
20,374.0	88.35	179.70	11,708.7	-8,659.7	1,092.0	8,670.1	0.74	-0.65	0.36
20,469.0	86.24	179.35	11,713.1	-8,754.6	1,092.8	8,765.0	2.25	-2.22	-0.37
20,564.0	91.96	181.11	11,714.6	-8,849.5	1,092.4	8,859.9	6.30	6.02	1.85
20,659.0	88.22	180.14	11,714.5	-8,944.5	1,091.4	8,954.9	4.07	-3.94	-1.02
20,754.0	91.03	179.17	11,715.1	-9,039.5	1,092.0	9,049.9	3.13	2.96	-1.02
20,849.0	87.96	178.65	11,715.9	-9,134.4	1,093.8	9,144.9	3.28	-3.23	-0.55
20,945.0	84.75	178.82	11,722.0	-9,230.2	1,095.9	9,240.7	3.35	-3.34	0.18
21,040.0	86.81	178.47	11,729.0	-9,324.9	1,098.1	9,335.4	2.20	2.17	-0.37
21,135.0	87.12	179.44	11,734.1	-9,419.8	1,099.9	9,430.3	1.07	0.33	1.02
21,231.0	92.44	180.84	11,734.4	-9,515.7	1,099.6	9,526.2	5.73	5.54	1.46
21,326.0	95.43	180.58	11,727.9	-9,610.5	1,098.5	9,621.0	3.16	3.15	-0.27
21,422.0	91.08	180.75	11,722.5	-9,706.3	1,097.4	9,716.8	4.53	-4.53	0.18
21,517.0	88.22	180.23	11,723.0	-9,801.3	1,096.5	9,811.7	3.06	-3.01	-0.55



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Black Marlin Fed Com #214H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3210.0usft (H&P 388)
Site:	(Black Marlin) Sec-18_T-25-S_R-36-E	MD Reference:	KB @ 3210.0usft (H&P 388)
Well:	Black Marlin Fed Com #214H	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)	
21,612.0	88.70	179.35	11,725.6	-9,896.3	1,096.9	9,906.7	1.05	0.51	-0.93	
21,707.0	88.70	178.12	11,727.8	-9,991.2	1,099.0	10,001.7	1.29	0.00	-1.29	
21,802.0	87.60	177.33	11,730.8	-10,086.1	1,102.8	10,096.6	1.43	-1.16	-0.83	
21,897.0	88.35	177.15	11,734.2	-10,180.9	1,107.3	10,191.4	0.81	0.79	-0.19	
21,981.6	87.08	176.90	11,737.6	-10,265.3	1,111.7	10,275.9	1.53	-1.50	-0.30	
LTP @ 21981.6'MD, 100'FSL & 321.6'FEL										
21,985.0	87.03	176.89	11,737.7	-10,268.7	1,111.9	10,279.3	1.53	-1.50	-0.30	
LAST SVY										
22,055.0	87.03	176.89	11,741.4	-10,338.5	1,115.7	10,349.1	0.00	0.00	0.00	
Projection to TD @ 22055'MD, 26.8'FSL & 318.4'FEL										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
- hit/miss target										
- Shape										
LTP (Black Marlin Fed	0.00	0.00	11,732.5	-10,265.0	1,099.0	404,891.00	862,290.00	32° 6' 31.976 N	103° 17' 48.339 W	
- actual wellpath misses target center by 13.6usft at 21980.4usft MD (11737.5 TVD, -10264.1 N, 1111.6 E)										
- Point										
PBHL (Black Marlin F	0.50	179.43	11,732.5	-10,360.0	1,100.0	404,796.00	862,291.00	32° 6' 31.036 N	103° 17' 48.338 W	
- actual wellpath misses target center by 28.0usft at 22055.0usft MD (11741.4 TVD, -10338.5 N, 1115.7 E)										
- Rectangle (sides W100.0 H1,605.8 D30.0)										
FTP (Black Marlin Fed	0.00	0.00	11,770.0	88.0	996.0	415,244.00	862,187.00	32° 8' 14.424 N	103° 17' 48.378 W	
- actual wellpath misses target center by 238.5usft at 11737.0usft MD (11590.7 TVD, -69.1 N, 1002.0 E)										
- Point										



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Black Marlin Fed Com #214H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3210.0usft (H&P 388)
Site:	(Black Marlin) Sec-18_T-25-S_R-36-E	MD Reference:	KB @ 3210.0usft (H&P 388)
Well:	Black Marlin Fed Com #214H	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 (°)
315.0	315.0	Rustler Anhydrite			
855.1	855.0	Top Salt			
4,163.0	4,130.0	Base Salt			
4,465.2	4,430.0	Lamar			
4,515.6	4,480.0	Delaware Mountain Gp			
4,566.0	4,530.0	Bell Canyon			
4,601.3	4,565.0	Ramsey Sand			
5,458.5	5,410.0	Cherry Canyon			
6,487.6	6,425.0	Brushy Canyon			
8,229.6	8,150.0	Bone Spring Lime			
8,254.8	8,175.0	Upper Avalon			
8,526.0	8,445.0	Middle Avalon			
9,006.6	8,925.0	Lower Avalon			
9,501.7	9,420.0	1st Bone Spring Sand			
9,696.7	9,615.0	2nd Bone Spring Carb			
10,081.7	10,000.0	2nd Bone Spring Sand			
10,721.9	10,640.0	3rd Bone Spring Carb			
11,342.5	11,260.0	3rd Bone Spring Sand			
11,506.6	11,410.0	3rd BS W Sand			
11,559.8	11,455.0	Wolfcamp A X Sand			
11,639.6	11,520.0	Wolfcamp A Y Sand			
11,784.8	11,620.0	Wolfcamp A Lower			

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
11,475.9	11,383.6	87.7	1,010.2	FTP @ 11475.9'MD, 100'FNL & 319.8'FEL
21,981.6	11,737.6	-10,265.3	1,111.7	LTP @ 21981.6'MD, 100'FSL & 321.6'FEL
21,985.0	11,737.7	-10,268.7	1,111.9	LAST SVY
22,055.0	11,741.4	-10,338.5	1,115.7	Projection to TD @ 22055'MD, 26.8'FSL & 318.4'FEL

Checked By: _____ Approved By: _____ Date: _____

Form 3160-5
(June 2015)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use form 3160-3 (APD) for such proposals.5. Lease Serial No.
NMNM127449

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.

BLACK MARLIN FED COM 214H

2. Name of Operator

TAP ROCK OPERATING LLC

Contact: BILL RAMSEY

E-Mail: bramsey@taprk.com

9. API Well No.

30-025-46977-00-X1

3a. Address

602 PARK POINT DRIVE SUITE 200
GOLDEN, CO 80401

3b. Phone No. (include area code)

Ph: 720-360-4028

10. Field and Pool or Exploratory Area

JAL; WOLFCAMP, WEST

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 18 T25S R36E NENE 120FNL 1290FEL
32.137344 N Lat, 103.299858 W Lon

11. County or Parish, State

LEA COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off	
☒ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity	
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other	Drilling Operations
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon		
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

5/22/2020: Well Spud at 15:45

6/14/2020: TD well at 22055 ft MD, 11741 ft TVD.
PBMD measured at 21994 ft MD, 11738 ft TVD.
Rig Release on 6/17/2020 at 11:00.10/22/2020: Pressure test Production casing to 5000 PSI for 30 minutes, good test.
10/23/2020 to 11/8/2020: Perforate from 11842 ft to 21911 ft, 2 SPF, .41 inch holes with 1300 total shots. 50 stage frac with 25,352,003 lbs of 100 mesh sand.
11/11/2020 to 11/13/2020: Drill out plugs
11/14/2020: Ready to produce

KZ

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #537550 verified by the BLM Well Information System
For TAP ROCK OPERATING LLC, sent to the Hobbs
Committed to AFMSS for processing by PRISCILLA PEREZ on 11/16/2020 (21PP0565SE)

Name (Printed/Typed) BILL RAMSEY

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 11/16/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USEApproved By **ACCEPTED**JONATHON SHEPARD
Title PETROELUM ENGINEER

Date 12/16/2020

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Hobbs

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.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Additional data for EC transaction #537550 that would not fit on the form

32. Additional remarks, continued

Formation Tops (Measured Depth):

Cherry Canyon: 6170 ft

Brushy Canyon: 7229 ft

Bonespring Top: 8466 ft

Upper Avalon: 8506 ft

1st Bonespring Sand: 9694 ft

2nd Bonespring Sand: 10261 ft

3rd Bonespring Sand: 11536 ft

Wolfcamp A X: 11758 ft

Wolfcamp A Y: 11849 ft

Wolfcamp A Lower: 11947 ft

Request for OCD extension of time to file BLM approved Form 3160-4.

Revisions to Operator-Submitted EC Data for Sundry Notice #537550

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	DRG SR	DRG SR
Lease:	NMNM127449	NMNM127449
Agreement:		
Operator:	TAP ROCK RESOURCES 523 PARK POINT DRIVE SUITE 200 GOLDEN, CO 80401 Ph: 720-360-4028	TAP ROCK OPERATING LLC 602 PARK POINT DRIVE SUITE 200 GOLDEN, CO 80401 Ph: 7204603316
Admin Contact:	BILL RAMSEY REGULATORY ANALYST E-Mail: bramsey@taprk.com Ph: 720-360-4028	BILL RAMSEY REGULATORY ANALYST E-Mail: bramsey@taprk.com Ph: 720-360-4028
Tech Contact:	BILL RAMSEY REGULATORY ANALYST E-Mail: bramsey@taprk.com Ph: 720-360-4028	BILL RAMSEY REGULATORY ANALYST E-Mail: bramsey@taprk.com Ph: 720-360-4028
Location:		
State:	NM	NM
County:	LEA	LEA
Field/Pool:	JAL; WOLFCAMP, WEST	JAL; WOLFCAMP, WEST
Well/Facility:	BLACK MARLIN FED COM 214H Sec 18 T25S R36E NENE 120FNL 1290FEL 32.137344 N Lat, 103.299858 W Lon	BLACK MARLIN FED COM 214H Sec 18 T25S R36E NENE 120FNL 1290FEL 32.137344 N Lat, 103.299858 W Lon

Form 3160-4
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other				5. Lease Serial No. NMNM127449	
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____				6. If Indian, Allottee or Tribe Name	
2. Name of Operator TAP ROCK RESOURCES				8. Lease Name and Well No. BLACK MARLIN FED COM 214H	
3. Address 523 PARK POINT DRIVE, SUITE 200 GOLDEN, CO 80401				9. API Well No. 30-025-46977	
3a. Phone No. (include area code) Ph: 720-360-4028				10. Field and Pool, or Exploratory WOLFCAMP	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NWNE Lot B 185FNL 1331FEL 32.137125 N Lat, 103.299991 W Lon Sec 18 T25S R36E Mer At top prod interval reported below NENE 100FNL 320FEL 32.137338 N Lat, 103.296726 W Lon Sec 18 T25S R36E Mer At total depth SESE Lot P 27FSL 323FEL 32.108680 N Lat, 103.296722 W Lon				11. Sec., T., R., M., or Block and Survey or Area Sec 18 T25S R36E Mer	
14. Date Spudded 05/22/2020		15. Date T.D. Reached 06/14/2020		12. County or Parish LEA	
				13. State NM	
		16. Date Completed ☐ D & A ☒ Ready to Prod. 11/14/2020		17. Elevations (DF, KB, RT, GL)* 3180 GL	
18. Total Depth: MD 22055 TVD 11741		19. Plug Back T.D.: MD 21994 TVD 11738		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GAMMA				22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit analysis) Directional Survey? ☐ No ☒ Yes (Submit analysis)	

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J-55	54.5	0	1319		1200		0	
12.250	9.625 J-55	40.0	0	5341		1926		0	
6.750	5.500 P-110	23.0	0	10851		1373		7138	
8.750	7.625 P-110	29.7	0	11165		503		4300	
6.750	5.000 P-110	18.0	10851	22040					

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	10771	10743						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	11842	21911	11842 TO 21911	0.410	1300	OPEN
B)						
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
11842 TO 21911	50 STAGE FRAC WITH 25,352,003 LBS OF 100 MESH SAND.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
11/16/2020	11/28/2020	24	→	2459.0	2393.0	5323.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
46/64	SI 0	1518.0	→	2459	2393	5323	973	POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #540263 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
FLARED

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
CHERRY CANYON	6170				
BRUSHY CANYON	7229				
BONESPRING TOP	8466				
UPPER AVALON	8506				
1ST BONESPRING SAND	9694				
2ND BONESPRING SAND	10261				
3RD BONESPRING SAND	11536				
WOLFCAMP A X	11758				

32. Additional remarks (include plugging procedure):

Wolfcamp A Y: 11849 ft MD
Wolfcamp A Lower: 11947 ft.

Tubing installed 12/4/2020. 2.875 inch L-80 tubing set at 10771 ft, packer set at 10743 ft.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7 Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #540263 Verified by the BLM Well Information System.
For TAP ROCK RESOURCES, sent to the Hobbs**

Name (please print) BILL RAMSEYTitle REGULATORY ANALYST

Signature _____ (Electronic Submission)

Date 12/09/2020

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.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

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

COMMENTS

Action 17601

COMMENTS

Operator:		OGRID:	Action Number:	Action Type:
TAP ROCK OPERATING, LLC		372043	17601	C-104C
Suite 200 Golden, CO80401				
523 Park Point Drive				
Created By	Comment	Comment Date		
pkautz	GEO REV DONE	02/15/2021		

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

CONDITIONS

Action 17601

CONDITIONS OF APPROVAL

Operator:	OGRID:	Action Number:	Action Type:
TAP ROCK OPERATING, LLC Suite 200 Golden, CO80401	372043	17601	C-104C
523 Park Point Drive			
OCD Reviewer	Condition		
plmartinez	None		