

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. 30-025-47744										
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 Mulva Fed Com		
								6. Well Number: 133H		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER										
8. Name of Operator TAP ROCK OPERATING, LLC								9. OGRID 372043		
10. Address of Operator 523 PARK POINT DRIVE, SUITE 200, GOLDEN, CO								11. Pool name or Wildcat WC-025 G-09 S243532M;WOLFBONE		
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	O	27	24-S	35-E	-	629	South	2060	East	Lea
BH:	G	3	25-S	35-E	-	2628	North	1935	East	Lea
13. Date Spudded 10/14/2020	14. Date T.D. Reached 12/23/2020		15. Date Rig Released 12/26/2020			16. Date Completed (Ready to Produce) 2/15/2021		17. Elevations (DF and RKB, RT, GR, etc.) 3287		
18. Total Measured Depth of Well 20293'			19. Plug Back Measured Depth 20239'			20. Was Directional Survey Made? Yes		21. Type Electric and Other Logs Run Gamma		
22. Producing Interval(s), of this completion - Top, Bottom, Name 12483' - 20170'								Wolfbone		
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13.375"		54.5		1026'		17.5"		1170 sks		
9.625"		40		5323'		12.25"		1609 sks		
7.625"		29.7		11357'		8.75"		562 sks		
5.5"		23		20283'		6.75"		1176 sks		
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET	PACKER SET		
						2.875"	11707'	11690'		
26. Perforation record (interval, size, and number) Perforate 12483 ft to 20170 ft, 2/1 SPF, .46 inch holes with 988 total shots.						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 12483' - 20170' 38 stage frac with 19,410,611 lbs of 100 mesh sand				
28. PRODUCTION										
Date First Production 2/22/2021		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing				
Date of Test 3/5/2021	Hours Tested 24 hrs	Choke Size 40/64	Prod'n For Test Period	Oil - Bbl 2018	Gas - MCF 2216	Water - Bbl. 4810	Gas - Oil Ratio 1098			
Flow Tubing Press. 0	Casing Pressure 1600	Calculated 24-Hour Rate	Oil - Bbl. 2018	Gas - MCF 2216	Water - Bbl. 4810	Oil Gravity - API - (Corr.)				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold								30. Test Witnessed By		
31. List Attachments Directional Survey, Gamma										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.								33. Rig Release Date:		
34. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude				Longitude				NAD83		
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief										
Signature			Printed Name Bill Ramsey			Title Regulatory Analyst			Date 5/8/2021	
E-mail Address bramsey@t+										

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

[illegible]

No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology
660	1254		Rustler	12224	12314		Bone Spring W
1254	4969		Top of Salt	12314	12411		Wolfcamp A X
4969	5205		Base of Salt	12411	12585		Wolfcamp A Y
5205	5251		Deleware	12585			Wolfcamp A Lower
5251	5282		Lamar				
5282	5331		Bell				
5331	6215		Ramsey				
6215	7760		Cherry Canyon				
7760	8974		Brushy Canyon				
8974	9007		Bone Spring Lime				
9007	9238		Upper Avalon				
9238	9815		Middle Avalon				
9815	10192		Lower Avalon				
10192	10733		1st Bone Spring Sand				
10733	11846		2nd Bone Spring Sand				
11846	12224		3rd Bone Spring Sand				



Operator: Tap Rock Resources, LLC.
Well Name: Mulva Fed Com #133H
County: Lea
State: New Mexico
Rig Name: H&P 466
Job Number: 30-025-47744

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: 176' MD – 20,224' MD
Projection to Bit: 20,293' MD
Dates Performed: 10/14/2020 – 12/23/2020
Type of Survey: MWD

Sincerely,

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

James Burleson
Vice President of MWD Operations
Intrepid Directional Drilling Specialists



Survey Report

Service Company: Intrepid DDS

Location:

Well: Mulva Fed Com #133H

Rig: H&P 466

API or UWI: 30-025-47744

Job Number: ID2707

State: NM

Operating Company: Tap Rock Resources

County: Lea County

Magnetic Declination: 5.96

Country: USA

Proposed Azimuth: 179.49

Comment

North Reference: GRID

Latitude: 32.00001

Longitude: -103.000021

Tie-In Data

MD	Inclination	Azimuth	TVD	NS	EW
0.00	0.00	0.00	0.00	0.00	0.00

Survey Data

MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
176.00	0.18	63.54	176.00	0.12	0.25	63.54	0.28	-0.12	0.10
236.00	0.90	319.21	236.00	0.52	0.02	2.64	0.52	-0.52	1.60
329.00	0.62	254.52	328.99	0.94	-0.94	315.08	1.33	-0.95	0.91
420.00	1.89	235.01	419.97	-0.05	-2.64	268.89	2.64	0.03	1.45
510.00	1.89	208.91	509.92	-2.20	-4.58	244.30	5.08	2.16	0.95
599.00	0.75	178.41	598.90	-4.07	-5.27	232.32	6.66	4.02	1.46
690.00	1.67	81.03	689.88	-4.46	-3.94	221.49	5.95	4.42	2.11
785.00	2.29	56.51	784.83	-3.19	-0.99	197.25	3.34	3.19	1.09
879.00	2.07	35.85	878.76	-0.78	1.57	116.49	1.75	0.80	0.86
973.00	1.27	352.17	972.72	1.63	2.42	56.11	2.92	-1.60	1.54
982.00	1.32	345.76	981.72	1.83	2.38	52.53	3.00	-1.80	1.70
1054.00	1.41	336.44	1053.70	3.44	1.82	27.92	3.89	-3.43	0.33
1148.00	1.89	326.16	1147.66	5.79	0.50	4.92	5.81	-5.78	0.60
1242.00	2.11	325.19	1241.60	8.50	-1.35	350.95	8.60	-8.51	0.24
1335.00	1.05	322.64	1334.57	10.58	-2.85	344.94	10.96	-10.61	1.14
1430.00	0.35	182.37	1429.56	10.98	-3.39	342.86	11.49	-11.01	1.41

MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
1525.00	0.62	228.86	1524.56	10.35	-3.79	339.91	11.02	-10.39	0.48
1620.00	0.62	266.30	1619.55	9.98	-4.69	334.85	11.03	-10.02	0.42
1714.00	0.48	284.76	1713.55	10.05	-5.57	330.98	11.49	-10.10	0.24
1808.00	0.22	339.16	1807.55	10.32	-6.02	329.74	11.95	-10.37	0.42
1902.00	0.75	82.61	1901.54	10.57	-5.47	332.62	11.90	-10.62	0.88
1995.00	0.97	66.79	1994.53	10.96	-4.15	339.27	11.71	-10.99	0.35
2090.00	1.01	63.36	2089.52	11.65	-2.66	347.14	11.95	-11.67	0.08
2184.00	0.70	59.23	2183.51	12.31	-1.43	353.40	12.40	-12.33	0.34
2279.00	0.88	52.46	2278.50	13.05	-0.35	358.47	13.06	-13.06	0.21
2374.00	1.01	53.69	2373.49	14.00	0.90	3.70	14.02	-13.99	0.14
2469.00	1.01	44.91	2468.47	15.08	2.17	8.19	15.24	-15.06	0.16
2562.00	0.48	76.90	2561.46	15.75	3.13	11.23	16.06	-15.72	0.70
2657.00	0.18	106.17	2656.46	15.80	3.66	13.04	16.22	-15.77	0.35
2751.00	0.44	76.28	2750.46	15.85	4.15	14.68	16.38	-15.81	0.32
2845.00	0.75	52.55	2844.46	16.31	4.99	17.02	17.05	-16.26	0.41
2939.00	1.23	52.02	2938.44	17.30	6.27	19.94	18.40	-17.24	0.51
3034.00	1.49	78.39	3033.42	18.18	8.29	24.51	19.98	-18.10	0.71
3128.00	1.36	96.32	3127.39	18.30	10.59	30.07	21.14	-18.20	0.49
3223.00	0.79	110.91	3222.37	17.94	12.33	34.49	21.77	-17.83	0.66
3318.00	1.19	141.94	3317.36	16.93	13.55	38.66	21.68	-16.81	0.69
3413.00	2.73	165.67	3412.30	13.96	14.71	46.50	20.28	-13.83	1.80
3508.00	4.75	177.97	3507.09	7.84	15.41	63.04	17.29	-7.70	2.28
3602.00	5.19	191.51	3600.74	-0.22	14.70	90.85	14.71	0.35	1.33
3697.00	5.01	201.88	3695.37	-8.28	12.30	123.94	14.83	8.39	0.99
3791.00	4.97	196.69	3789.01	-15.99	9.60	149.01	18.65	16.07	0.48
3886.00	4.57	196.52	3883.68	-23.56	7.34	162.69	24.67	23.62	0.42
3981.00	3.56	202.49	3978.44	-29.91	5.14	170.25	30.35	29.95	1.15
4074.00	3.38	204.95	4071.27	-35.06	2.88	175.31	35.18	35.09	0.25
4169.00	4.13	208.91	4166.07	-40.60	0.04	179.94	40.60	40.60	0.83
4264.00	4.79	214.89	4260.78	-46.85	-3.88	184.73	47.01	46.81	0.85
4358.00	4.57	217.35	4354.47	-53.04	-8.40	189.00	53.70	52.97	0.32
4451.00	4.26	222.53	4447.19	-58.53	-12.98	192.50	59.95	58.41	0.54
4546.00	2.15	222.36	4542.04	-62.45	-16.57	194.86	64.61	62.30	2.22
4641.00	1.23	187.55	4637.00	-64.78	-17.90	195.45	67.21	64.62	1.41
4735.00	1.89	167.60	4730.96	-67.29	-17.70	194.74	69.58	67.13	0.90
4830.00	2.59	168.92	4825.89	-70.93	-16.95	193.44	72.93	70.77	0.74
4924.00	2.77	171.12	4919.79	-75.26	-16.19	192.14	76.98	75.11	0.22

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MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
5018.00	1.85	163.82	5013.71	-78.96	-15.42	191.05	80.45	78.82	1.03
5114.00	1.54	166.72	5109.67	-81.70	-14.69	190.19	83.01	81.57	0.33
5170.00	3.08	254.52	5165.63	-82.84	-15.97	190.91	84.36	82.69	6.05
5203.00	3.69	243.98	5198.58	-83.54	-17.78	192.01	85.41	83.38	2.63
5297.00	5.54	239.85	5292.27	-87.14	-24.42	195.65	90.50	86.92	2.00
5392.00	4.75	263.05	5386.90	-89.92	-32.29	199.75	95.55	89.63	2.32
5487.00	4.79	267.97	5481.57	-90.54	-40.16	203.92	99.05	90.18	0.43
5582.00	4.84	267.97	5576.23	-90.82	-48.13	207.92	102.79	90.39	0.05
5677.00	4.70	263.31	5670.90	-91.42	-56.00	211.49	107.21	90.92	0.43
5771.00	4.57	260.94	5764.60	-92.46	-63.52	214.49	112.18	91.89	0.25
5865.00	4.62	262.00	5858.29	-93.57	-70.97	217.18	117.44	92.94	0.10
5959.00	4.22	254.52	5952.01	-95.02	-78.05	219.40	122.97	94.33	0.75
6055.00	3.03	280.54	6047.83	-95.50	-83.95	221.32	127.15	94.75	2.08
6150.00	0.92	312.01	6142.77	-94.53	-86.99	222.62	128.46	93.75	2.42
6244.00	0.84	329.76	6236.76	-93.43	-87.89	223.25	128.28	92.65	0.30
6339.00	1.14	322.73	6331.74	-92.08	-88.82	223.97	127.93	91.28	0.34
6434.00	1.23	326.42	6426.72	-90.48	-89.95	224.83	127.58	89.67	0.12
6529.00	1.19	349.18	6521.70	-88.66	-90.70	225.65	126.83	87.85	0.50
6623.00	1.01	342.15	6615.68	-86.91	-91.14	226.36	125.94	86.10	0.24
6718.00	0.92	329.67	6710.67	-85.46	-91.78	227.04	125.40	84.64	0.24
6812.00	1.27	333.80	6804.65	-83.87	-92.62	227.84	124.95	83.04	0.38
6906.00	0.79	335.21	6898.64	-82.35	-93.35	228.58	124.48	81.51	0.51
7001.00	1.19	345.05	6993.62	-80.80	-93.88	229.28	123.86	79.96	0.46
7095.00	0.57	161.62	7087.62	-80.30	-93.99	229.49	123.62	79.46	1.87
7189.00	1.01	147.30	7181.61	-81.44	-93.39	228.91	123.91	80.61	0.51
7284.00	0.92	158.11	7276.60	-82.85	-92.65	228.20	124.30	82.03	0.21
7379.00	0.92	137.28	7371.58	-84.12	-91.85	227.52	124.55	83.30	0.35
7474.00	0.92	136.84	7466.57	-85.24	-90.81	226.81	124.55	84.43	0.01
7568.00	0.92	121.37	7560.56	-86.18	-89.65	226.13	124.36	85.38	0.26
7662.00	1.14	117.06	7654.54	-87.00	-88.18	225.38	123.87	86.21	0.25
7756.00	1.32	124.36	7748.52	-88.04	-86.45	224.48	123.39	87.26	0.25
7850.00	1.23	126.38	7842.50	-89.25	-84.74	223.52	123.07	88.49	0.11
7944.00	1.10	120.05	7936.48	-90.30	-83.15	222.64	122.75	89.55	0.19
8038.00	1.32	111.88	8030.46	-91.15	-81.36	221.75	122.18	90.42	0.30
8131.00	1.19	105.73	8123.44	-91.81	-79.44	220.87	121.41	91.10	0.20
8226.00	1.05	97.46	8218.42	-92.19	-77.63	220.10	120.52	91.50	0.22
8321.00	0.79	79.53	8313.41	-92.19	-76.12	219.55	119.55	91.51	0.41

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MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
8415.00	0.75	64.07	8407.40	-91.80	-74.93	219.22	118.50	91.13	0.22
8510.00	1.27	72.24	8502.38	-91.21	-73.37	218.81	117.05	90.55	0.57
8604.00	0.75	153.89	8596.37	-91.44	-72.11	218.26	116.45	90.80	1.47
8699.00	1.10	128.58	8691.36	-92.57	-71.12	217.54	116.73	91.93	0.56
8793.00	0.57	113.37	8785.35	-93.32	-69.99	216.87	116.64	92.69	0.61
8887.00	0.84	116.80	8879.34	-93.81	-68.94	216.31	116.42	93.20	0.29
8982.00	1.19	98.78	8974.33	-94.28	-67.34	215.54	115.86	93.67	0.49
9075.00	2.02	131.92	9067.29	-95.52	-65.17	214.30	115.63	94.94	1.30
9168.00	2.02	126.63	9160.23	-97.59	-62.64	212.69	115.96	97.03	0.20
9262.00	1.23	245.02	9254.21	-99.01	-62.22	212.15	116.94	98.45	3.00
9355.00	1.19	261.37	9347.19	-99.57	-64.08	212.76	118.41	99.00	0.37
9450.00	1.01	249.07	9442.18	-100.02	-65.84	213.35	119.74	99.43	0.31
9546.00	1.14	283.96	9538.16	-100.09	-67.55	214.02	120.76	99.49	0.68
9641.00	1.32	278.86	9633.14	-99.70	-69.55	214.90	121.56	99.07	0.22
9735.00	1.58	275.08	9727.11	-99.41	-71.91	215.88	122.70	98.77	0.29
9829.00	2.24	285.45	9821.06	-98.81	-74.97	217.19	124.04	98.14	0.79
9923.00	2.55	288.44	9914.97	-97.66	-78.73	218.87	125.44	96.96	0.36
10017.00	2.73	288.62	10008.87	-96.28	-82.83	220.71	127.01	95.54	0.19
10111.00	2.64	307.42	10102.77	-94.25	-86.68	222.60	128.05	93.48	0.94
10205.00	2.07	326.06	10196.69	-91.53	-89.34	224.31	127.90	90.73	1.01
10300.00	2.29	334.76	10291.62	-88.39	-91.11	225.87	126.94	87.57	0.42
10394.00	2.07	353.22	10385.56	-85.00	-92.11	227.30	125.34	84.18	0.78
10488.00	1.80	3.32	10479.50	-81.84	-92.23	228.41	123.31	81.02	0.46
10583.00	1.54	13.69	10574.46	-79.12	-91.84	229.26	121.22	78.29	0.42
10677.00	0.88	2.80	10668.44	-77.17	-91.50	229.86	119.70	76.35	0.74
10771.00	1.10	39.09	10762.43	-75.75	-90.90	230.20	118.32	74.93	0.69
10864.00	1.19	62.03	10855.41	-74.60	-89.48	230.18	116.50	73.80	0.50
10959.00	1.89	120.04	10950.38	-74.92	-87.26	229.35	115.01	74.14	1.70
11053.00	2.11	105.72	11044.33	-76.17	-84.25	227.88	113.57	75.41	0.58
11147.00	1.98	101.06	11138.27	-76.95	-80.99	226.47	111.71	76.22	0.22
11241.00	1.05	115.74	11232.23	-77.63	-78.62	225.36	110.49	76.93	1.06
11287.00	0.57	139.99	11278.23	-77.99	-78.09	225.04	110.37	77.29	1.26
11372.60	0.22	45.69	11363.83	-78.20	-77.70	224.82	110.24	77.51	0.73
11467.00	0.84	238.43	11458.22	-78.44	-78.16	224.90	110.73	77.74	1.12
11561.00	13.49	160.82	11551.34	-89.20	-75.13	220.11	116.63	88.53	14.19
11655.00	23.16	160.12	11640.47	-117.01	-65.22	209.14	133.96	116.42	10.29
11750.00	23.34	164.60	11727.76	-152.72	-53.87	199.43	161.94	152.24	1.87

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MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
11845.00	30.51	169.61	11812.42	-194.64	-44.51	192.88	199.67	194.24	7.91
11938.00	42.95	173.13	11886.82	-249.54	-36.43	188.31	252.19	249.21	13.56
12032.00	54.68	176.56	11948.62	-319.87	-30.28	185.41	321.30	319.59	12.77
12126.00	61.19	177.08	11998.49	-399.37	-25.87	183.71	400.21	399.12	6.94
12221.00	67.96	174.01	12039.26	-484.84	-19.15	182.26	485.22	484.65	7.70
12316.00	75.16	169.70	12069.31	-573.96	-6.32	180.63	573.99	573.88	8.71
12410.00	85.76	170.32	12084.86	-665.12	9.73	179.16	665.20	665.18	11.30
12506.00	88.40	172.34	12089.75	-759.89	24.18	178.18	760.28	760.08	3.46
12601.00	88.35	174.01	12092.45	-854.18	35.46	177.62	854.91	854.46	1.76
12695.00	87.52	173.83	12095.84	-947.59	45.41	177.26	948.67	947.95	0.90
12788.00	87.74	172.69	12099.68	-1039.86	56.32	176.90	1041.39	1040.32	1.25
12883.00	87.43	173.39	12103.68	-1134.08	67.82	176.58	1136.10	1134.64	0.81
12976.00	89.45	173.83	12106.22	-1226.46	78.17	176.35	1228.95	1227.11	2.22
13071.00	91.08	175.94	12105.78	-1321.07	86.63	176.25	1323.91	1321.79	2.81
13165.00	90.51	177.52	12104.47	-1414.91	92.00	176.28	1417.90	1415.67	1.79
13260.00	90.20	177.70	12103.88	-1509.82	95.96	176.36	1512.87	1510.62	0.38
13355.00	89.14	177.26	12104.43	-1604.73	100.13	176.43	1607.85	1605.56	1.21
13449.00	89.63	177.96	12105.44	-1698.64	104.05	176.49	1701.82	1699.50	0.91
13544.00	89.19	178.75	12106.42	-1793.60	106.78	176.59	1796.77	1794.47	0.95
13639.00	88.04	177.79	12108.71	-1888.52	109.65	176.68	1891.70	1889.42	1.58
13732.00	89.80	179.81	12110.47	-1981.48	111.59	176.78	1984.62	1982.39	2.88
13827.00	88.09	178.75	12112.22	-2076.45	112.79	176.89	2079.51	2077.37	2.12
13921.00	90.33	178.49	12113.51	-2170.41	115.05	176.97	2173.45	2171.34	2.40
14016.00	89.36	178.14	12113.77	-2265.36	117.84	177.02	2268.43	2266.32	1.09
14111.00	91.38	179.46	12113.16	-2360.33	119.83	177.09	2363.37	2361.31	2.54
14205.00	90.95	179.02	12111.24	-2454.30	121.08	177.18	2457.29	2455.29	0.65
14299.00	90.86	179.10	12109.76	-2548.28	122.62	177.25	2551.23	2549.27	0.13
14394.00	90.81	179.46	12108.38	-2643.26	123.82	177.32	2646.16	2644.26	0.38
14488.00	90.64	178.40	12107.19	-2737.24	125.57	177.37	2740.12	2738.25	1.14
14583.00	89.49	178.40	12107.08	-2832.20	128.22	177.41	2835.10	2833.23	1.21
14676.00	89.14	179.19	12108.19	-2925.17	130.18	177.45	2928.07	2926.21	0.93
14771.00	88.66	179.54	12110.01	-3020.15	131.23	177.51	3023.00	3021.20	0.63
14865.00	87.96	179.54	12112.79	-3114.10	131.99	177.57	3116.90	3115.15	0.74
14961.00	89.36	180.69	12115.03	-3210.07	131.79	177.65	3212.78	3211.12	1.89
15055.00	89.45	181.74	12116.01	-3304.04	129.80	177.75	3306.59	3305.07	1.12
15149.00	89.23	181.83	12117.09	-3397.99	126.87	177.86	3400.36	3398.99	0.25
15243.00	88.57	181.92	12118.89	-3491.92	123.80	177.97	3494.12	3492.89	0.71

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MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
15337.00	90.73	182.62	12119.47	-3585.84	120.07	178.08	3587.85	3586.77	2.42
15431.00	91.16	182.62	12117.92	-3679.73	115.78	178.20	3681.55	3680.62	0.46
15525.00	90.68	182.09	12116.41	-3773.64	111.92	178.30	3775.30	3774.49	0.76
15620.00	87.60	181.21	12117.84	-3868.58	109.18	178.38	3870.12	3869.40	3.37
15715.00	88.22	180.07	12121.30	-3963.51	108.12	178.44	3964.98	3964.31	1.37
15809.00	89.67	179.98	12123.03	-4057.49	108.08	178.47	4058.93	4058.29	1.55
15904.00	90.90	179.90	12122.56	-4152.48	108.18	178.51	4153.89	4153.28	1.30
15999.00	92.09	180.69	12120.08	-4247.45	107.69	178.55	4248.81	4248.24	1.50
16092.00	92.09	180.77	12116.69	-4340.38	106.51	178.59	4341.69	4341.15	0.09
16187.00	93.10	179.72	12112.39	-4435.28	106.10	178.63	4436.55	4436.05	1.53
16282.00	93.58	181.74	12106.85	-4530.10	104.89	178.67	4531.32	4530.86	2.18
16376.00	92.35	181.30	12101.99	-4623.94	102.40	178.73	4625.08	4624.67	1.39
16471.00	90.86	180.86	12099.33	-4718.89	100.61	178.78	4719.96	4719.59	1.64
16565.00	91.03	180.07	12097.78	-4812.87	99.85	178.81	4813.90	4813.57	0.86
16659.00	90.95	178.23	12096.15	-4906.84	101.24	178.82	4907.88	4907.55	1.96
16753.00	90.68	178.58	12094.82	-5000.79	103.86	178.81	5001.87	5001.52	0.47
16848.00	90.55	178.49	12093.80	-5095.76	106.29	178.81	5096.87	5096.50	0.17
16943.00	89.54	178.75	12093.72	-5190.73	108.58	178.80	5191.86	5191.49	1.10
17037.00	89.19	178.23	12094.76	-5284.69	111.05	178.80	5285.86	5285.47	0.67
17131.00	90.20	177.52	12095.26	-5378.62	114.54	178.78	5379.84	5379.43	1.31
17226.00	90.11	177.26	12095.01	-5473.52	118.87	178.76	5474.81	5474.36	0.29
17320.00	89.54	176.38	12095.29	-5567.38	124.08	178.72	5568.76	5568.26	1.12
17415.00	89.32	177.52	12096.24	-5662.24	129.13	178.69	5663.71	5663.16	1.22
17509.00	89.27	178.23	12097.40	-5756.16	132.62	178.68	5757.69	5757.12	0.76
17605.00	89.71	178.58	12098.25	-5852.12	135.29	178.68	5853.69	5853.09	0.59
17699.00	90.59	179.10	12098.00	-5946.10	137.19	178.68	5947.68	5947.09	1.09
17793.00	92.62	179.02	12095.37	-6040.05	138.74	178.68	6041.64	6041.04	2.16
17888.00	93.14	179.28	12090.60	-6134.92	140.14	178.69	6136.52	6135.92	0.61
17983.00	91.78	178.67	12086.52	-6229.81	141.84	178.70	6231.43	6230.83	1.57
18077.00	90.68	178.40	12084.50	-6323.76	144.24	178.69	6325.40	6324.79	1.20
18171.00	89.58	178.23	12084.29	-6417.71	147.01	178.69	6419.40	6418.77	1.18
18266.00	90.95	178.58	12083.85	-6512.67	149.65	178.68	6514.39	6513.75	1.49
18359.00	89.41	178.40	12083.56	-6605.64	152.10	178.68	6607.39	6606.73	1.67
18455.00	90.02	178.49	12084.04	-6701.60	154.71	178.68	6703.39	6702.71	0.64
18550.00	89.76	179.02	12084.22	-6796.58	156.77	178.68	6798.39	6797.70	0.62
18644.00	89.41	179.54	12084.90	-6890.57	157.95	178.69	6892.38	6891.70	0.67
18739.00	89.85	178.75	12085.51	-6985.55	159.37	178.69	6987.37	6986.70	0.95

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MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
18834.00	91.12	178.23	12084.71	-7080.52	161.87	178.69	7082.37	7081.68	1.44
18929.00	89.71	177.61	12084.02	-7175.45	165.32	178.68	7177.35	7176.64	1.62
19024.00	91.96	178.31	12082.64	-7270.37	168.70	178.67	7272.33	7271.58	2.48
19119.00	91.25	179.28	12079.98	-7365.31	170.70	178.67	7367.29	7366.54	1.27
19212.00	90.29	179.54	12078.73	-7458.30	171.66	178.68	7460.27	7459.53	1.07
19308.00	91.34	181.30	12077.36	-7554.28	170.95	178.70	7556.21	7555.50	2.13
19403.00	90.51	179.98	12075.83	-7649.26	169.89	178.73	7651.14	7650.47	1.64
19498.00	91.08	180.51	12074.51	-7744.25	169.49	178.75	7746.10	7745.45	0.82
19593.00	90.51	180.69	12073.19	-7839.23	168.49	178.77	7841.04	7840.42	0.63
19688.00	91.34	180.07	12071.66	-7934.22	167.86	178.79	7935.99	7935.40	1.09
19783.00	91.30	179.90	12069.47	-8029.19	167.89	178.80	8030.95	8030.37	0.18
19878.00	85.54	177.43	12072.09	-8124.08	170.10	178.80	8125.86	8125.27	6.60
19972.00	85.14	177.26	12079.72	-8217.67	174.44	178.78	8219.52	8218.90	0.46
20067.00	84.97	176.03	12087.91	-8312.15	179.97	178.76	8314.10	8313.43	1.30
20161.00	84.04	174.71	12096.91	-8405.41	187.53	178.72	8407.50	8406.75	1.71
20224.00	82.81	174.36	12104.13	-8467.71	193.49	178.69	8469.92	8469.10	2.03

Projected Survey

MD	Inclination	Azimuth	TVD	NS	EW	CA	CD	VS	DLS
20293.00	82.81	174.36	12112.76	-8535.84	200.21	178.66	8538.19	8537.28	0.00

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

CONDITIONS

Action 27710

CONDITIONS OF APPROVAL

Operator: TAP ROCK OPERATING, LLC Suite 200 Golden, CO80401	523 Park Point Drive	OGRID: 372043	Action Number: 27710	Action Type: C-105
OCD Reviewer plmartinez	Condition None			