

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Rec'd 04/07/2020 - NMOCDD
Form C-104
Revised August 1, 2011
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 602 PARK POINT DRIVE, SUITE 200 GOLDEN, CO 80401		² OGRID Number 372043	
		³ Reason for Filing Code/ Effective Date RT	
⁴ API Number 30 - 0 15-46514	⁵ Pool Name PURPLE SAGE, WOLFCAMP		⁶ Pool Code 98220
⁷ Property Code 326764	⁸ Property Name LENTIL FEDERAL		⁹ Well Number 161H

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
3	19	26S	25E		2050'	SOUTH	497'	WEST	EDDY

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
3	19	26S	25E		2039'	SOUTH	488'	WEST	EDDY
¹² Lse Code F	¹³ Producing Method Code F		¹⁴ Gas Connection Date		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 2/5/20	²² Ready Date 3/25/2020	²³ TD 7302'	²⁴ PBTD 7171'	²⁵ Perforations 7000' - 7009'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	³⁰ Sacks Cement
17 1/2"		13 3/8"		387'	645
12 1/4"		9 5/8"		1123'	411
8 3/4"		7 5/8"		7256'	431

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method

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:  Printed name: Bill Ramsey Title: Regulatory Analyst E-mail Address: bramsey@taprk.com Date: 4/7/2020	OIL CONSERVATION DIVISION	
	Approved by:	
	Title:	
	App. Date:	
	Phone: 720-360-4028	

****DENIED****
Reason for Denial: In well files there is a Spud RT C-104 & C-102, Survey; need for Federal well, 3160-5 BLM Sundry Notices Accepted/Approved for Spud to Production Hole/Casing info., Rig Release Date. Sundry notices need to be in well files prior to submitting an RT C-104AB

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
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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 PLAT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-46514	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP
⁴ Property Code 326764	⁵ Property Name LENTIL FEDERAL	⁶ Well Number 161H
⁷ OGRID No. 372043	⁸ Operator Name TAP ROCK OPERATING, LLC.	⁹ Elevation 3852'

¹⁰Surface Location

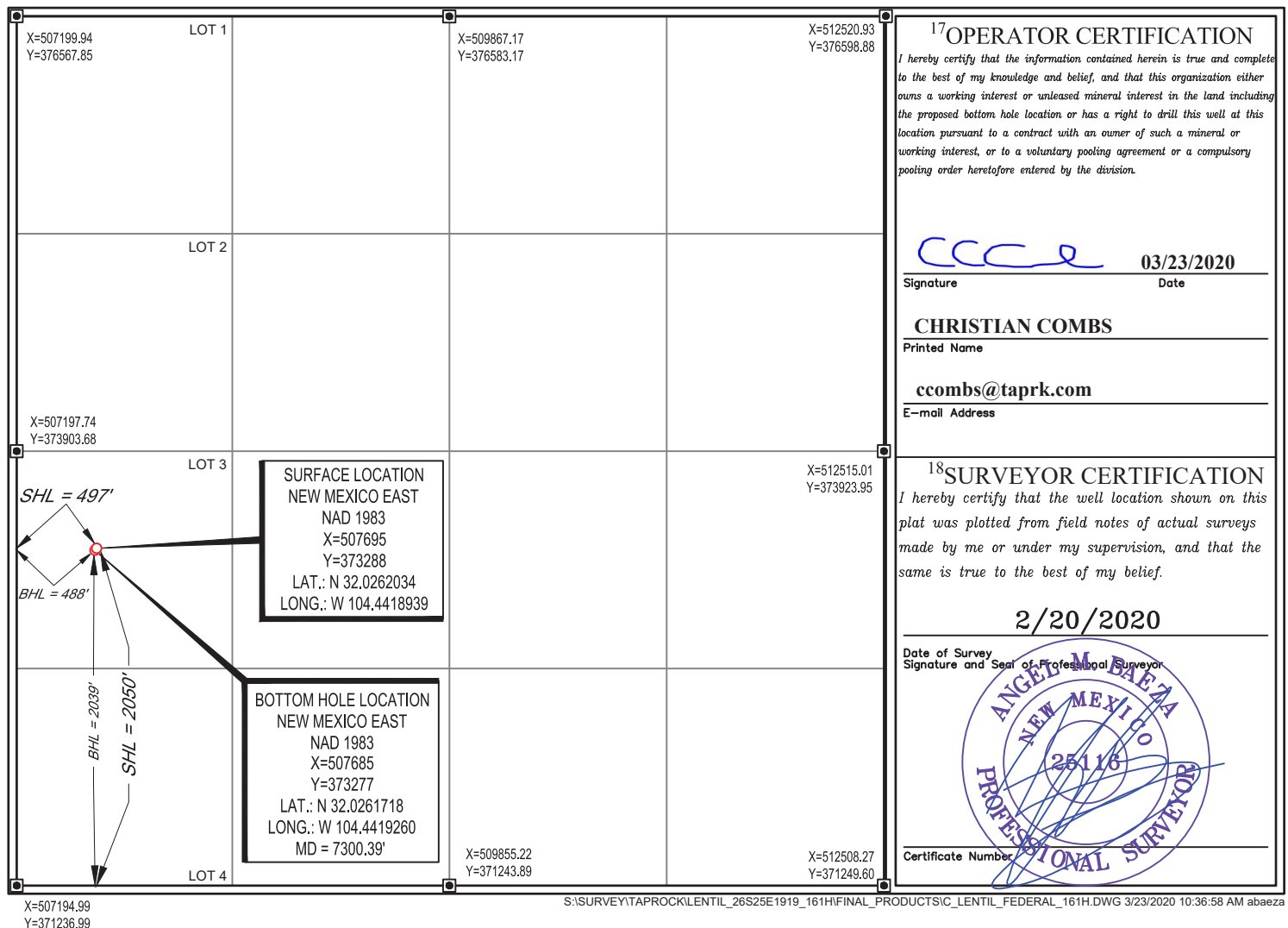
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
3	19	26-S	25-E	-	2050'	SOUTH	497'	WEST	EDDY

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
3	19	26-S	25-E	-	2039'	SOUTH	488'	WEST	EDDY

¹² Dedicated Acres	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.





Operator: Tap Rock Resources LLC
Well Name: Lentil Federal #161H
County: Eddy
State: New Mexico
Rig Name: H&P 388
API: 30-015-46514

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: 244' MD – 7239' MD
Projection to Bit: 7302' MD
Dates Performed: 2/05/2019 – 2/10/2020
Type of Survey: MWD

Sincerely,

A handwritten signature in blue ink, appearing to read "Jim", with a stylized flourish at the end.

James Burleson
Vice President of MWD Operations
Intrepid Directional Drilling Specialists



Directional Survey Report

Company: Tap Rock Resources, LLC	Well Surface Location	Report Date: Feb 10 2020
Well: Lentil Federal #161H	Latitude: 32° 1' 34.368 N	Time: 06:02
County: Eddy	Longitude: 104° 26' 30.860 W	Mag Reference: Grid North
State: New Mexico	Reference: NAD 1927	Mag Correction: 7.11
Field: WolfCamp	Y (Northing) 373,292.00	Vert Sect. Azi: 360
API: 30-015-46514	X (Easting) 507,691.00	Perm Datum Ground Level
Rig: H&P 388	Field Engr: Miguel Rodriguez	Depth Ref Rotary Table
Service Co: Intrepid DDS	Ryan Wallace	RKB Height: 3874
Job #: ID2458		GL Elev: 3848
Survey Calc: Minimum Curvature		

Survey	MD	Inc	Azimuth	TVD	VS	Rectangular Offsets		Course Length	DLS	Temp	Closure		Source
						NS	EW				Distance	Azimuth	
Tie In	0	0	0	0	0	0	0	0	0	0	0	0	
1	244.00	0.84	308.93	243.99	1.12	1.12	-1.38	244.00	0.34	49.14	1.78	308.93	MWD Run 1
2	332.00	1.27	301.46	331.98	2.03	2.03	-2.72	88.00	0.52	56.29	3.39	306.78	MWD Run 1
3	419.00	1.93	304.36	418.94	3.36	3.36	-4.75	87.00	0.76	56.29	5.82	305.28	MWD Run 2
4	510.00	1.27	58.70	509.92	4.76	4.76	-5.16	91.00	2.99	63.43	7.02	312.69	MWD Run 2
5	601.00	1.05	287.13	600.91	5.53	5.53	-5.09	91.00	2.34	70.57	7.52	317.35	MWD Run 2
6	693.00	0.88	297.32	692.90	6.10	6.10	-6.53	92.00	0.27	77.71	8.94	313.07	MWD Run 2
7	784.00	0.66	286.51	783.89	6.57	6.57	-7.65	91.00	0.29	84.86	10.09	310.66	MWD Run 2
8	879.00	0.66	293.02	878.89	6.94	6.94	-8.68	95.00	0.08	92.00	11.11	308.65	MWD Run 2
9	974.00	0.66	301.46	973.88	7.44	7.44	-9.65	95.00	0.10	92.00	12.18	307.64	MWD Run 2
10	1069.00	0.88	285.11	1068.87	7.92	7.92	-10.82	95.00	0.32	99.14	13.41	306.19	MWD Run 2
11	1241.00	0.88	302.77	1240.85	8.97	8.97	-13.20	172.00	0.16	70.57	15.96	304.21	MWD Run 3
12	1336.00	0.97	288.98	1335.84	9.63	9.63	-14.57	95.00	0.25	70.57	17.47	303.46	MWD Run 3
13	1430.00	0.88	297.15	1429.83	10.22	10.22	-15.96	94.00	0.17	70.57	18.95	302.62	MWD Run 3
14	1525.00	1.27	193.70	1524.82	9.52	9.52	-16.86	95.00	1.80	70.57	19.37	299.45	MWD Run 3
15	1620.00	1.93	181.13	1619.78	6.89	6.89	-17.15	95.00	0.78	77.71	18.48	291.90	MWD Run 3
16	1715.00	1.89	182.36	1714.73	3.72	3.72	-17.24	95.00	0.06	77.71	17.64	282.19	MWD Run 3
17	1810.00	1.93	178.85	1809.67	0.56	0.56	-17.27	95.00	0.13	77.71	17.28	271.85	MWD Run 3
18	1904.00	2.11	111.00	1903.63	-1.65	-1.65	-15.63	94.00	2.41	84.86	15.71	263.97	MWD Run 3
19	1999.00	3.38	89.55	1998.52	-2.25	-2.25	-11.19	95.00	1.70	84.86	11.41	258.61	MWD Run 3
20	2094.00	1.32	110.91	2093.43	-2.62	-2.62	-7.36	95.00	2.33	84.86	7.82	250.40	MWD Run 3
21	2189.00	0.84	140.00	2188.42	-3.54	-3.54	-5.90	95.00	0.75	84.86	6.88	239.00	MWD Run 3
22	2283.00	0.79	127.34	2282.41	-4.46	-4.46	-4.94	94.00	0.20	92.00	6.66	227.92	MWD Run 3
23	2378.00	0.88	126.64	2377.40	-5.29	-5.29	-3.83	95.00	0.09	92.00	6.54	215.91	MWD Run 3
24	2473.00	0.62	134.55	2472.39	-6.09	-6.09	-2.89	95.00	0.30	92.00	6.74	205.37	MWD Run 3
25	2568.00	0.44	157.32	2567.39	-6.78	-6.78	-2.38	95.00	0.28	92.00	7.19	199.36	MWD Run 3
26	2662.00	0.66	167.86	2661.38	-7.64	-7.64	-2.13	94.00	0.26	92.00	7.93	195.57	MWD Run 3
27	2757.00	0.53	189.57	2756.38	-8.61	-8.61	-2.09	95.00	0.27	92.00	8.86	193.63	MWD Run 3
28	2852.00	0.57	193.35	2851.37	-9.50	-9.50	-2.27	95.00	0.06	99.14	9.77	193.43	MWD Run 3
29	2946.00	0.53	208.99	2945.37	-10.34	-10.34	-2.59	94.00	0.17	99.14	10.65	194.05	MWD Run 3
30	3041.00	0.44	211.46	3040.36	-11.03	-11.03	-2.99	95.00	0.10	99.14	11.43	195.17	MWD Run 3
31	3136.00	0.44	215.06	3135.36	-11.64	-11.64	-3.39	95.00	0.03	99.14	12.12	196.24	MWD Run 3
32	3231.00	0.48	216.90	3230.36	-12.26	-12.26	-3.84	95.00	0.05	99.14	12.84	197.39	MWD Run 3
33	3325.00	0.62	223.67	3324.35	-12.94	-12.94	-4.43	94.00	0.16	99.14	13.67	198.88	MWD Run 3
34	3420.00	1.27	336.52	3419.35	-12.34	-12.34	-5.20	95.00	1.70	99.14	13.39	202.85	MWD Run 3
35	3515.00	1.71	349.88	3514.31	-9.97	-9.97	-5.87	95.00	0.59	106.29	11.57	210.49	MWD Run 3
36	3610.00	1.63	357.44	3609.27	-7.22	-7.22	-6.18	95.00	0.25	106.29	9.51	220.54	MWD Run 3
37	3704.00	1.67	355.51	3703.23	-4.53	-4.53	-6.35	94.00	0.08	106.29	7.79	234.50	MWD Run 3
38	3799.00	1.71	353.66	3798.19	-1.73	-1.73	-6.61	95.00	0.07	106.29	6.83	255.31	MWD Run 3
39	3894.00	1.67	354.63	3893.15	1.06	1.06	-6.90	95.00	0.06	106.29	6.98	278.71	MWD Run 3
40	3988.00	1.63	357.27	3987.11	3.75	3.75	-7.09	94.00	0.09	106.29	8.02	297.90	MWD Run 3
41	4083.00	1.67	358.85	4082.07	6.48	6.48	-7.18	95.00	0.07	106.29	9.68	312.08	MWD Run 3
42	4178.00	1.49	0.87	4177.04	9.11	9.11	-7.19	95.00	0.19	106.29	11.60	321.71	MWD Run 3
43	4273.00	1.63	358.85	4272.00	11.69	11.69	-7.20	95.00	0.15	106.29	13.73	328.38	MWD Run 3
44	4368.00	1.01	71.36	4366.98	13.31	13.31	-6.43	95.00	1.72	106.29	14.78	334.21	MWD Run 3
45	4462.00	1.19	84.72	4460.97	13.66	13.66	-4.68	94.00	0.33	106.29	14.44	341.11	MWD Run 3
46	4557.00	1.32	83.22	4555.94	13.88	13.88	-2.61	95.00	0.14	106.29	14.13	349.35	MWD Run 3
47	4651.00	1.01	90.87	4649.92	14.00	14.00	-0.71	94.00	0.37	113.43	14.02	357.10	MWD Run 3
48	4746.00	0.84	58.44	4744.91	14.35	14.35	0.72	95.00	0.57	113.43	14.37	2.87	MWD Run 3
49	4841.00	0.70	31.46	4839.90	15.21	15.21	1.61	95.00	0.40	113.43	15.29	6.06	MWD Run 3
50	4936.00	0.66	315.96	4934.90	16.10	16.10	1.54	95.00	0.88	113.43	16.17	5.46	MWD Run 3
51	5030.00	1.19	294.51	5028.89	16.89	16.89	0.28	94.00	0.66	113.43	16.89	0.94	MWD Run 3
52	5125.00	1.80	283.53	5123.85	17.65	17.65	-2.07	95.00	0.71	113.43	17.77	353.31	MWD Run 3
53	5220.00	0.97	286.78	5218.82	18.23	18.23	-4.29	95.00	0.88	113.43	18.73	346.75	MWD Run 3
54	5315.00	1.49	267.35	5313.80	18.40	18.40	-6.30	95.00	0.70	113.43	19.45	341.11	MWD Run 3
55	5409.00	0.40	201.35	5407.79	18.05	18.05	-7.64	94.00	1.47	113.43	19.60	337.06	MWD Run 3
56	5504.00	0.44	237.12	5502.79	17.54	17.54	-8.06	95.00	0.27	113.43	19.31	335.31	MWD Run 3
57	5599.00	1.49	133.32	5597.78	16.49	16.49	-7.47	95.00	1.74	120.57	18.11	335.64	MWD Run 3
58	5694.00	2.11	112.05	5692.73	14.99	14.99	-4.95	95.00	0.95	120.57	15.78	341.73	MWD Run 3
59	5788.00	2.20	101.77	5786.66	13.97	13.97	-1.58	94.00	0.42	120.57	14.06	353.55	MWD Run 3
60	5883.00	1.85	96.14	5881.60	13.44	13.44	1.73	95.00	0.42	120.57	13.55	7.32	MWD Run 3
61	5978.00	1.27	88.76	5976.57	13.29	13.29	4.30	95.00	0.64	120.57	13.97	17.94	MWD Run 3
62	6072.00	0.70	70.39	6070.56	13.51	13.51	5.89	94.00	0.69	120.57	14.74	23.57	MWD Run 3
63	6167.00	0.88	28.73	6165.55	14.35	14.35	6.79	95.00	0.62	120.57	15.87	25.34	MWD Run 3
64	6262.00	1.19	357.44	6260.53	15.97	15.97	7.10	95.00	0.66	120.57	17.47	23.97	MWD Run 3
65	6356.00	0.88	78.13	6354.52	17.09	17.09	7.76	94.00	1.44	120.57	18.77	24.43	MWD Run 3
66	6451.00	1.76	87.18	6449.49	17.31	17.31	9.93	95.00	0.95	120.57	19.96	29.84	MWD Run 3
67	6546.00	1.14	81.55	6544.46	17.52	17.52	12.32	95.00	0.66	127.71	21.42	35.12	MWD Run 3
68	6640.00	0.92	176.65	6638.45	16.90	16.90	13.29	94.00	1.63	120.57	21.50	38.19	MWD Run 3
69	6735.00	0.97	203.72	6733.44	15.40	15.40	13.02	95.00	0.47	127.71	20.17	40.20	MWD Run 3

70	6830.00	0.79	206.80	6828.43	14.09	14.09	12.40	95.00	0.19	127.71	18.76	41.36	MWD Run 3
71	6925.00	0.97	205.39	6923.42	12.78	12.78	11.76	95.00	0.19	127.71	17.36	42.63	MWD Run 3
72	7019.00	0.88	212.51	7017.41	11.45	11.45	11.03	94.00	0.15	127.71	15.90	43.93	MWD Run 3
73	7114.00	0.48	221.04	7112.40	10.53	10.53	10.38	95.00	0.43	127.71	14.79	44.57	MWD Run 3
74	7209.00	0.40	345.31	7207.40	10.55	10.55	10.03	95.00	0.82	127.71	14.56	43.56	MWD Run 3
75	7239.00	0.62	356.74	7237.40	10.81	10.81	9.99	30.00	0.80	127.71	14.72	42.76	MWD Run 3
PTB	7302.00	0.62	356.74	7300.39	11.49	11.49	9.96	63.00	0.01	0.00	15.20	40.91	MWD Run 3