

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

OCD Received
Date: 3/31/2020

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 15-46218	⁵ Pool Name PURPLE SAGE, WOLFCAMP		⁶ Pool Code 98220
⁷ Property Code 326031	⁸ Property Name MONEY GRAHAM FED COM		⁹ Well Number 204H

II. ¹⁰ Surface Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
H	32	26S	29E	4	250	SOUTH	904	EAST	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
A	29	26S	29E		204	NORTH	934	EAST	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
373554	SALT CREEK MIDSTREAM, LLC 20329 STATE HIGHWAY 249 HOUSTON, TX U.S.A 77070	G

IV. Well Completion Data

²¹ Spud Date 9/26/19	²² Ready Date 2/22/2020	²³ TD 16800'	²⁴ PBTD 16699'	²⁵ Perforations 9568'-16593'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	
17 1/2"		13 3/8"		615'	
12 1/4"		9 5/8"		2910'	
8 3/4"		7 5/8"		9003'	
6 3/4		5 1/2", 5"		8672', 16785'	
				860	
				1041	
				694	
				981	

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: 			OIL CONSERVATION DIVISION		
Printed name: Bill Ramsey			Approved by: DENIED		
Title: Regulatory Analyst			Title:		
E-mail Address: bramsey@taprk.com			Approval Date:		
Date: 3/18/2020		Phone: 720-360-4028	RT EXPIRES: 5/20/2020 SUBMIT A C-104 NW ASAP		

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 30-015-46218	² Pool Code 98220	³ Pool Name PURPLE SAGE, WOLFCAMP (GAS)
⁴ Property Code 326031	⁵ Property Name MONEY GRAM FED COM	⁶ Well Number 204H
⁷ OGRID No. 372043	⁸ Operator Name TAP ROCK OPERATING, LLC.	⁹ Elevation 2866'

¹⁰Surface Location

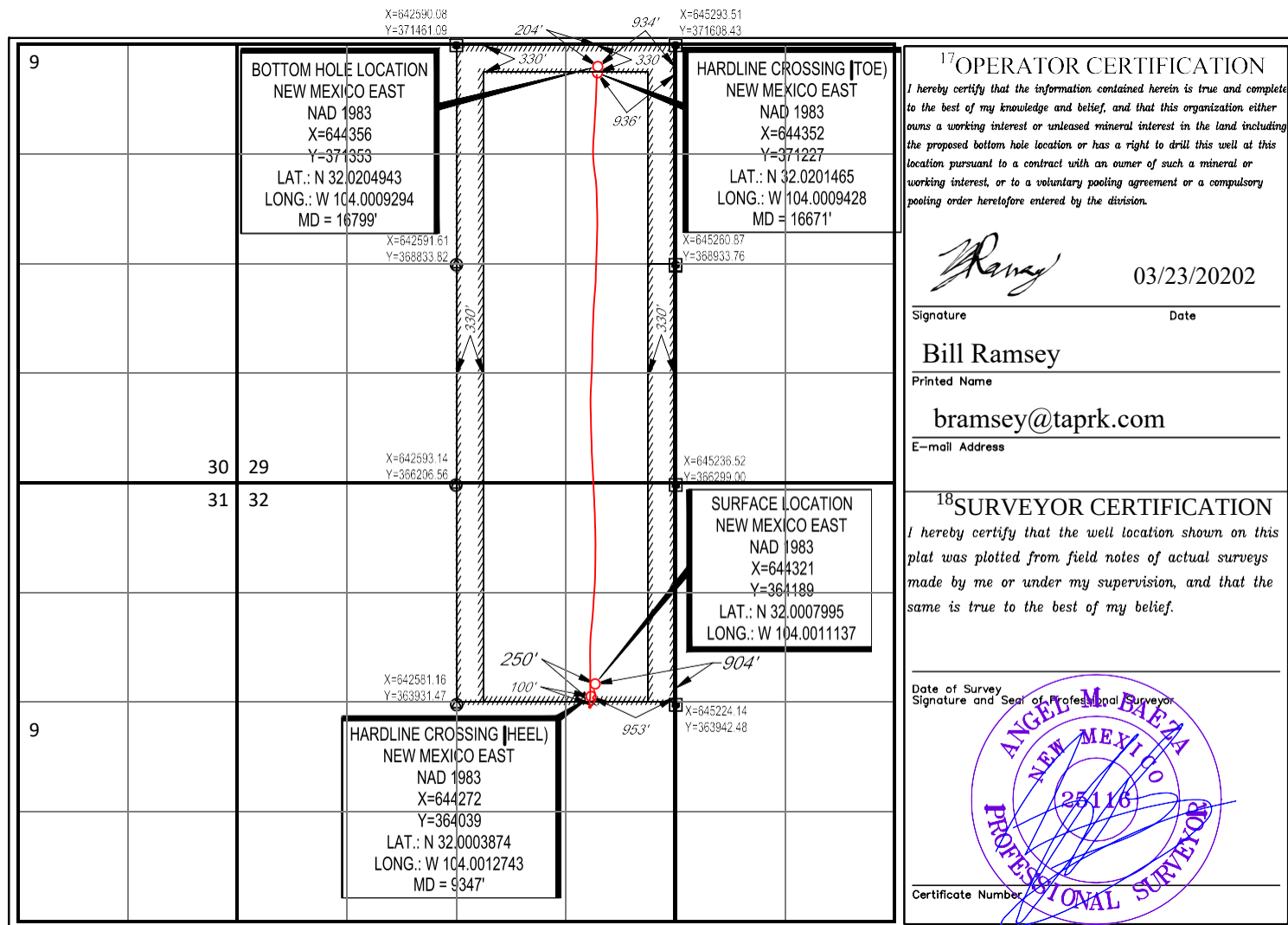
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	32	26-S	29-E	-	250'	SOUTH	904'	EAST	EDDY

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
A	29	26-S	29-E	-	204'	NORTH	934'	EAST	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.



¹⁷OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Bill Ramsey

03/23/20202

Signature

Date

Bill Ramsey

Printed Name

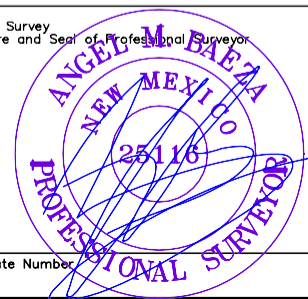
bramsey@taprk.com

E-mail Address

¹⁸SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.

Date of Survey
Signature and Seal of Professional Surveyor



Certificate Number



Tap Rock Resources, LLC

**Eddy County, NM (NAD 83 NME)
(Money Graham) Sec-32_T-26-S_R-29-E
Money Graham Fed Com #204H**

OWB

Design: AWB

Standard Survey Report

05 December, 2019





Operator: Taprock Resources LLC
Well Name: Money Graham Fed Com #204H
County: Eddy
State: New Mexico
Rig Name: H&P 245
API Number: 30-015-46218

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: 702' MD – 16724' MD
Projection to Bit: 16800' MD
Dates Performed: 11/02/2019 – 11/07/2019 & 12/01/2019 – 12/05/2020
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



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Money Graham Fed Com #204H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB @ 2892.0usft (H&P 245)
Site:	(Money Graham) Sec-32_T-26-S_R-29-E	MD Reference:	KB @ 2892.0usft (H&P 245)
Well:	Money Graham Fed Com #204H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Project	Eddy 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		(Money Graham) Sec-32_T-26-S_R-29-E				
Site Position:		Northing:	364,259.00 usft	Latitude:	32° 0' 3.571 N	
From:	Map	Easting:	644,466.00 usft	Longitude:	104° 0' 2.323 W	
Position Uncertainty:		0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.18 °

Well	Money Graham Fed Com #204H					
Well Position	+N/-S	0.0 usft	Northing:	364,189.00 usft	Latitude:	32° 0' 2.882 N
	+E/-W	0.0 usft	Easting:	644,321.00 usft	Longitude:	104° 0' 4.009 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	2,866.0 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	10/13/19	6.88	59.76	47,526.25441803

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	0.52	

Survey Program	Date	12/05/19			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
26.0	619.0	Invictus MWD (OWB)	MWD	OWSG MWD - Standard	
702.0	16,800.0	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
26.0	0.00	0.00	26.0	0.0	0.0	0.0	0.00	0.00	0.00
78.0	0.80	261.76	78.0	-0.1	-0.4	-0.1	1.54	1.54	0.00
170.0	0.60	250.76	170.0	-0.3	-1.4	-0.3	0.26	-0.22	-11.96
284.0	0.20	23.76	284.0	-0.3	-1.9	-0.3	0.66	-0.35	116.67
409.6	0.80	137.76	409.6	-0.8	-1.3	-0.8	0.72	0.48	90.76
504.0	1.00	124.76	504.0	-1.7	-0.1	-1.7	0.30	0.21	-13.77
507.0	0.99	125.29	507.0	-1.8	-0.1	-1.8	0.53	-0.44	17.38
Rustler Anhydrite									
619.0	0.60	159.76	619.0	-2.9	0.9	-2.9	0.53	-0.35	30.79

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Well:	Money Graham Fed Com #204H	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)
682.1	2.21	142.13	682.0	-4.1	1.8	-4.1	2.62	2.55	-27.97
Top Salt									
702.0	2.73	140.92	701.9	-4.8	2.3	-4.8	2.62	2.60	-6.05
796.0	4.44	159.90	795.7	-10.0	5.0	-9.9	2.19	1.82	20.19
888.0	6.51	166.76	887.3	-18.4	7.4	-18.3	2.36	2.25	7.46
982.0	6.11	167.20	980.7	-28.4	9.7	-28.4	0.43	-0.43	0.47
1,076.0	5.71	165.26	1,074.2	-37.8	12.0	-37.7	0.48	-0.43	-2.06
1,169.0	4.97	167.64	1,166.8	-46.3	14.0	-46.1	0.83	-0.80	2.56
1,254.0	4.75	185.22	1,251.5	-53.4	14.5	-53.2	1.76	-0.26	20.68
1,349.0	5.23	209.39	1,346.2	-61.0	12.0	-60.9	2.25	0.51	25.44
1,442.0	5.41	220.55	1,438.8	-68.1	7.1	-68.0	1.13	0.19	12.00
1,535.0	4.44	224.42	1,531.4	-74.0	1.7	-74.0	1.10	-1.04	4.16
1,628.0	4.13	225.21	1,624.2	-78.9	-3.2	-78.9	0.34	-0.33	0.85
1,722.0	3.12	220.99	1,718.0	-83.2	-7.3	-83.3	1.11	-1.07	-4.49
1,816.0	2.07	206.40	1,811.9	-86.7	-9.7	-86.8	1.31	-1.12	-15.52
1,909.0	1.71	207.98	1,904.9	-89.4	-11.1	-89.5	0.39	-0.39	1.70
2,004.0	1.27	206.13	1,999.8	-91.6	-12.2	-91.7	0.47	-0.46	-1.95
2,098.0	1.14	151.73	2,093.8	-93.4	-12.2	-93.5	1.18	-0.14	-57.87
2,191.0	2.29	153.84	2,186.8	-95.8	-11.0	-95.9	1.24	1.24	2.27
2,285.0	2.81	163.95	2,280.7	-99.7	-9.5	-99.8	0.73	0.55	10.76
2,379.0	3.03	140.66	2,374.5	-103.9	-7.3	-103.9	1.27	0.23	-24.78
2,396.5	3.19	138.18	2,392.0	-104.6	-6.7	-104.7	1.21	0.93	-14.19
Base Salt									
2,473.0	3.96	129.84	2,468.4	-107.9	-3.2	-107.9	1.21	1.00	-10.90
2,567.0	3.47	142.68	2,562.2	-112.2	1.0	-112.2	1.02	-0.52	13.66
2,661.0	2.73	165.35	2,656.0	-116.6	3.3	-116.6	1.51	-0.79	24.12
2,737.0	2.55	157.31	2,732.0	-120.0	4.4	-119.9	0.54	-0.24	-10.57
Delaware Mountain Gp									
2,755.0	2.51	155.25	2,749.9	-120.7	4.7	-120.6	0.54	-0.20	-11.47
2,849.0	2.11	158.85	2,843.9	-124.2	6.2	-124.1	0.45	-0.43	3.83
2,852.1	2.09	158.64	2,847.0	-124.3	6.2	-124.2	0.61	-0.56	-6.56
Bell Canyon - Lamar									
2,892.2	1.87	155.68	2,887.0	-125.5	6.8	-125.5	0.61	-0.56	-7.41
Ramsey Sand									
2,929.0	1.67	152.26	2,923.8	-126.6	7.3	-126.5	0.61	-0.54	-9.28
3,023.0	3.56	197.87	3,017.7	-130.6	7.0	-130.5	2.84	2.01	48.52
3,117.0	5.23	202.79	3,111.5	-137.3	4.5	-137.2	1.82	1.78	5.23
3,210.0	5.27	203.06	3,204.1	-145.1	1.1	-145.1	0.05	0.04	0.29
3,305.0	4.62	207.28	3,298.7	-152.5	-2.3	-152.6	0.78	-0.68	4.44
3,399.0	4.22	217.38	3,392.4	-158.7	-6.2	-158.7	0.93	-0.43	10.74
3,492.0	4.18	215.54	3,485.2	-164.1	-10.2	-164.2	0.15	-0.04	-1.98
3,586.0	3.56	215.01	3,579.0	-169.3	-13.9	-169.4	0.66	-0.66	-0.56
3,680.0	1.93	220.90	3,672.9	-172.9	-16.6	-173.0	1.76	-1.73	6.27
3,774.0	2.20	219.58	3,766.8	-175.5	-18.8	-175.6	0.29	0.29	-1.40

Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Money Graham Fed Com #204H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB @ 2892.0usft (H&P 245)
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Well:	Money Graham Fed Com #204H	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)
3,868.0	2.29	219.49	3,860.7	-178.3	-21.1	-178.5	0.10	0.10	-0.10
3,869.3	2.27	219.53	3,862.0	-178.4	-21.1	-178.5	1.58	-1.57	3.42
Cherry Canyon									
3,961.0	0.84	228.11	3,953.7	-180.2	-22.8	-180.4	1.58	-1.56	9.35
4,055.0	0.18	257.55	4,047.7	-180.7	-23.5	-180.9	0.73	-0.70	31.32
4,149.0	0.13	224.68	4,141.7	-180.8	-23.7	-181.0	0.11	-0.05	-34.97
4,243.0	0.22	227.14	4,235.7	-181.0	-23.9	-181.2	0.10	0.10	2.62
4,337.0	0.26	242.96	4,329.7	-181.2	-24.2	-181.4	0.08	0.04	16.83
4,431.0	0.75	232.33	4,423.7	-181.7	-24.9	-181.9	0.53	0.52	-11.31
4,525.0	0.70	222.39	4,517.7	-182.5	-25.8	-182.7	0.14	-0.05	-10.57
4,618.0	0.70	210.00	4,610.7	-183.4	-26.4	-183.6	0.16	0.00	-13.32
4,713.0	0.75	199.89	4,705.7	-184.5	-26.9	-184.7	0.14	0.05	-10.64
4,806.0	1.10	219.05	4,798.6	-185.8	-27.7	-186.0	0.50	0.38	20.60
4,844.4	1.24	214.45	4,837.0	-186.4	-28.2	-186.6	0.44	0.37	-12.00
Brushy Canyon									
4,899.0	1.45	209.47	4,891.6	-187.5	-28.8	-187.7	0.44	0.38	-9.11
4,992.0	1.54	209.21	4,984.6	-189.6	-30.0	-189.9	0.10	0.10	-0.28
5,085.0	1.63	194.00	5,077.5	-192.0	-31.0	-192.2	0.46	0.10	-16.35
5,179.0	2.11	199.72	5,171.5	-194.9	-31.9	-195.2	0.55	0.51	6.09
5,273.0	1.10	214.22	5,265.5	-197.3	-33.0	-197.6	1.15	-1.07	15.43
5,367.0	0.84	232.68	5,359.4	-198.4	-34.0	-198.7	0.43	-0.28	19.64
5,460.0	0.92	229.69	5,452.4	-199.3	-35.1	-199.6	0.10	0.09	-3.22
5,553.0	1.10	222.04	5,545.4	-200.5	-36.3	-200.8	0.24	0.19	-8.23
5,647.0	0.79	218.70	5,639.4	-201.7	-37.3	-202.0	0.33	-0.33	-3.55
5,740.0	0.75	238.65	5,732.4	-202.5	-38.2	-202.8	0.29	-0.04	21.45
5,835.0	0.62	210.44	5,827.4	-203.2	-39.0	-203.6	0.38	-0.14	-29.69
5,928.0	1.01	208.33	5,920.4	-204.4	-39.7	-204.7	0.42	0.42	-2.27
6,022.0	1.10	202.27	6,014.4	-206.0	-40.4	-206.3	0.15	0.10	-6.45
6,115.0	1.41	202.18	6,107.3	-207.8	-41.2	-208.2	0.33	0.33	-0.10
6,209.0	1.49	193.30	6,201.3	-210.1	-41.9	-210.5	0.25	0.09	-9.45
6,302.0	1.80	200.68	6,294.3	-212.7	-42.7	-213.0	0.40	0.33	7.94
6,396.0	0.79	165.70	6,388.3	-214.7	-43.0	-215.0	1.32	-1.07	-37.21
6,434.7	0.69	181.04	6,427.0	-215.2	-43.0	-215.5	0.57	-0.26	39.60
Bone Spring Lime									
6,490.0	0.66	207.89	6,482.2	-215.8	-43.1	-216.1	0.57	-0.06	48.59
6,584.0	0.88	256.93	6,576.2	-216.4	-44.1	-216.8	0.71	0.23	52.17
6,678.0	1.32	266.51	6,670.2	-216.6	-45.9	-217.0	0.51	0.47	10.19
6,771.0	0.62	274.78	6,763.2	-216.7	-47.4	-217.1	0.77	-0.75	8.89
6,865.0	0.75	287.26	6,857.2	-216.4	-48.5	-216.9	0.21	0.14	13.28
6,959.0	1.14	277.24	6,951.2	-216.1	-50.0	-216.6	0.45	0.41	-10.66
7,052.0	0.79	337.97	7,044.2	-215.4	-51.2	-215.9	1.10	-0.38	65.30
7,146.0	1.93	331.11	7,138.1	-213.4	-52.2	-213.9	1.22	1.21	-7.30
7,239.0	1.71	359.50	7,231.1	-210.7	-53.0	-211.2	0.99	-0.24	30.53
7,333.0	1.85	25.61	7,325.1	-207.9	-52.3	-208.4	0.87	0.15	27.78

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Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB @ 2892.0usft (H&P 245)
Site:	(Money Graham) Sec-32_T-26-S_R-29-E	MD Reference:	KB @ 2892.0usft (H&P 245)
Well:	Money Graham Fed Com #204H	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)
7,360.0	1.63	22.89	7,352.0	-207.2	-52.0	-207.6	0.88	-0.83	-10.08
1st Bone Spring Sand									
7,427.0	1.10	11.46	7,419.0	-205.7	-51.5	-206.1	0.88	-0.79	-17.05
7,520.0	0.70	330.85	7,512.0	-204.3	-51.6	-204.7	0.78	-0.43	-43.67
7,614.0	1.01	299.30	7,606.0	-203.4	-52.6	-203.8	0.59	0.33	-33.56
7,708.0	0.92	314.06	7,700.0	-202.4	-53.9	-202.9	0.28	-0.10	15.70
7,801.0	1.27	318.37	7,793.0	-201.2	-55.1	-201.6	0.39	0.38	4.63
7,894.0	0.66	127.21	7,886.0	-200.7	-55.3	-201.2	2.07	-0.66	181.55
7,940.0	0.59	122.70	7,932.0	-201.0	-54.9	-201.5	0.18	-0.14	-9.80
2nd Bone Spring Sand									
7,988.0	0.53	116.84	7,980.0	-201.2	-54.5	-201.7	0.18	-0.13	-12.21
8,082.0	0.79	31.58	8,074.0	-200.9	-53.8	-201.4	0.97	0.28	-90.70
8,175.0	1.01	42.57	8,167.0	-199.7	-52.9	-200.2	0.30	0.24	11.82
8,269.0	0.40	94.25	8,260.9	-199.1	-52.0	-199.6	0.88	-0.65	54.98
8,362.0	0.13	78.17	8,353.9	-199.1	-51.6	-199.6	0.30	-0.29	-17.29
8,455.0	0.22	13.13	8,446.9	-199.0	-51.4	-199.4	0.22	0.10	-69.94
8,548.0	0.40	13.39	8,539.9	-198.5	-51.3	-198.9	0.19	0.19	0.28
8,641.0	1.01	171.33	8,632.9	-199.0	-51.1	-199.4	1.49	0.66	169.83
8,735.0	1.54	193.30	8,726.9	-201.0	-51.3	-201.5	0.76	0.56	23.37
8,829.0	1.71	192.86	8,820.9	-203.6	-51.9	-204.1	0.18	0.18	-0.47
8,922.0	1.63	200.07	8,913.8	-206.2	-52.7	-206.7	0.24	-0.09	7.75
8,959.0	1.98	207.72	8,950.8	-207.3	-53.1	-207.7	1.15	0.95	20.68
9,070.0	1.85	220.11	9,061.8	-210.3	-55.2	-210.8	0.39	-0.12	11.16
9,164.0	4.66	2.49	9,155.7	-207.7	-56.0	-208.2	6.63	2.99	151.47
9,182.4	7.78	4.77	9,174.0	-205.7	-55.9	-206.2	16.99	16.94	12.34
3rd Bone Spring Sand									
9,257.0	20.44	6.89	9,246.2	-187.6	-53.9	-188.1	16.99	16.98	2.85
9,347.0	28.77	6.97	9,327.9	-150.5	-49.4	-150.9	9.26	9.26	0.09
FTP @ 9347'MD, 100'FSL & 953'FEL									
9,350.0	29.05	6.97	9,330.5	-149.0	-49.2	-149.5	9.26	9.26	0.06
9,444.0	40.00	2.93	9,407.9	-96.0	-44.9	-96.4	11.90	11.65	-4.30
9,476.0	42.34	1.88	9,432.0	-75.0	-44.0	-75.4	7.61	7.30	-3.28
3rd BS W Sand									
9,537.0	46.81	0.12	9,475.4	-32.2	-43.3	-32.6	7.61	7.34	-2.89
9,609.1	52.61	359.70	9,522.0	22.7	-43.3	22.3	8.05	8.04	-0.58
Wolfcamp A									
9,630.0	54.29	359.59	9,534.5	39.6	-43.5	39.2	8.05	8.04	-0.52
9,723.0	61.05	358.98	9,584.2	118.1	-44.4	117.7	7.29	7.27	-0.66
9,817.0	67.69	0.21	9,624.8	202.8	-45.0	202.4	7.16	7.06	1.31
9,836.6	69.28	0.42	9,632.0	221.0	-44.9	220.6	8.19	8.13	1.07
Wolfcamp A Y Sand									
9,910.0	75.25	1.17	9,654.3	290.9	-43.9	290.5	8.19	8.13	1.02
10,004.0	80.53	4.60	9,674.1	382.6	-39.3	382.3	6.65	5.62	3.65
10,097.0	88.48	5.66	9,683.0	474.8	-31.0	474.5	8.62	8.55	1.14

Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Money Graham Fed Com #204H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB @ 2892.0usft (H&P 245)
Site:	(Money Graham) Sec-32_T-26-S_R-29-E	MD Reference:	KB @ 2892.0usft (H&P 245)
Well:	Money Graham Fed Com #204H	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)
10,190.0	91.91	5.30	9,682.6	567.3	-22.1	567.1	3.71	3.69	-0.39
10,282.0	91.82	4.69	9,679.7	658.9	-14.1	658.8	0.67	-0.10	-0.66
10,375.0	90.64	3.90	9,677.7	751.6	-7.2	751.5	1.53	-1.27	-0.85
10,468.0	90.68	3.81	9,676.6	844.4	-0.9	844.4	0.11	0.04	-0.10
10,561.0	89.93	3.46	9,676.1	937.2	5.0	937.2	0.89	-0.81	-0.38
10,655.0	89.19	3.81	9,676.8	1,031.0	10.9	1,031.1	0.87	-0.79	0.37
10,748.0	86.90	1.35	9,680.0	1,123.9	15.1	1,124.0	3.61	-2.46	-2.65
10,841.0	86.99	1.17	9,684.9	1,216.7	17.2	1,216.8	0.22	0.10	-0.19
10,935.0	88.53	359.85	9,688.6	1,310.6	18.0	1,310.7	2.16	1.64	-1.40
11,028.0	89.58	0.82	9,690.1	1,403.6	18.5	1,403.7	1.54	1.13	1.04
11,121.0	89.36	0.47	9,691.0	1,496.6	19.6	1,496.7	0.44	-0.24	-0.38
11,213.0	88.26	358.71	9,692.9	1,588.6	18.9	1,588.7	2.26	-1.20	-1.91
11,306.0	89.36	358.36	9,694.9	1,681.5	16.6	1,681.6	1.24	1.18	-0.38
11,400.0	89.76	358.36	9,695.6	1,775.5	13.9	1,775.5	0.43	0.43	0.00
11,493.0	89.27	358.36	9,696.4	1,868.5	11.2	1,868.5	0.53	-0.53	0.00
11,586.0	86.99	357.04	9,699.4	1,961.3	7.5	1,961.3	2.83	-2.45	-1.42
11,680.0	88.62	357.22	9,703.0	2,055.1	2.8	2,055.1	1.74	1.73	0.19
11,773.0	92.44	358.36	9,702.1	2,148.0	-0.8	2,147.9	4.29	4.11	1.23
11,867.0	90.77	356.87	9,699.5	2,241.9	-4.7	2,241.8	2.38	-1.78	-1.59
11,960.0	90.95	357.13	9,698.1	2,334.8	-9.6	2,334.6	0.34	0.19	0.28
12,053.0	91.34	356.95	9,696.2	2,427.6	-14.4	2,427.4	0.46	0.42	-0.19
12,146.0	91.65	356.60	9,693.8	2,520.5	-19.6	2,520.2	0.50	0.33	-0.38
12,239.0	91.16	357.57	9,691.5	2,613.3	-24.3	2,613.0	1.17	-0.53	1.04
12,331.0	89.89	358.80	9,690.7	2,705.2	-27.3	2,704.9	1.92	-1.38	1.34
12,424.0	87.25	358.27	9,693.0	2,798.2	-29.6	2,797.8	2.90	-2.84	-0.57
12,517.0	86.73	358.01	9,697.9	2,891.0	-32.7	2,890.6	0.62	-0.56	-0.28
12,611.0	87.60	358.80	9,702.6	2,984.8	-35.3	2,984.4	1.25	0.93	0.84
12,703.0	87.21	358.54	9,706.7	3,076.7	-37.4	3,076.3	0.51	-0.42	-0.28
12,797.0	88.84	358.45	9,710.0	3,170.6	-39.9	3,170.1	1.74	1.73	-0.10
12,890.0	92.26	0.82	9,709.1	3,263.6	-40.5	3,263.1	4.47	3.68	2.55
12,983.0	92.44	3.37	9,705.2	3,356.5	-37.1	3,356.0	2.75	0.19	2.74
13,076.0	92.75	3.28	9,701.0	3,449.2	-31.7	3,448.8	0.35	0.33	-0.10
13,170.0	88.44	1.96	9,700.1	3,543.1	-27.4	3,542.7	4.80	-4.59	-1.40
13,264.0	89.49	2.14	9,701.8	3,637.0	-24.0	3,636.6	1.13	1.12	0.19
13,358.0	89.36	1.88	9,702.7	3,730.9	-20.7	3,730.6	0.31	-0.14	-0.28
13,451.0	88.35	0.29	9,704.6	3,823.9	-19.0	3,823.6	2.03	-1.09	-1.71
13,545.0	88.84	1.08	9,706.9	3,917.9	-17.8	3,917.5	0.99	0.52	0.84
13,639.0	88.66	2.14	9,708.9	4,011.8	-15.2	4,011.5	1.14	-0.19	1.13
13,733.0	86.77	2.05	9,712.7	4,105.7	-11.8	4,105.4	2.01	-2.01	-0.10
13,826.0	88.22	2.05	9,716.7	4,198.5	-8.4	4,198.3	1.56	1.56	0.00
13,919.0	87.96	2.49	9,719.8	4,291.4	-4.8	4,291.2	0.55	-0.28	0.47
14,012.0	88.48	3.11	9,722.7	4,384.2	-0.2	4,384.1	0.87	0.56	0.67
14,106.0	91.08	5.22	9,723.1	4,478.0	6.6	4,477.8	3.56	2.77	2.24
14,200.0	90.51	5.48	9,721.8	4,571.6	15.4	4,571.5	0.67	-0.61	0.28

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Site:	(Money Graham) Sec-32_T-26-S_R-29-E	MD Reference:	KB @ 2892.0usft (H&P 245)
Well:	Money Graham Fed Com #204H	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)
14,293.0	87.60	1.61	9,723.3	4,664.3	21.1	4,664.3	5.21	-3.13	-4.16
14,386.0	86.64	1.08	9,728.0	4,757.2	23.3	4,757.2	1.18	-1.03	-0.57
14,480.0	87.60	2.40	9,732.7	4,851.0	26.2	4,851.1	1.73	1.02	1.40
14,574.0	91.08	3.02	9,733.8	4,944.9	30.6	4,945.0	3.76	3.70	0.66
14,667.0	89.89	1.17	9,733.0	5,037.8	34.0	5,037.9	2.37	-1.28	-1.99
14,761.0	92.00	1.70	9,731.5	5,131.8	36.4	5,131.9	2.31	2.24	0.56
14,855.0	92.44	1.70	9,727.8	5,225.7	39.1	5,225.8	0.47	0.47	0.00
14,948.0	91.87	1.08	9,724.3	5,318.6	41.4	5,318.7	0.91	-0.61	-0.67
15,042.0	87.03	358.89	9,725.2	5,412.5	41.4	5,412.7	5.65	-5.15	-2.33
15,135.0	87.38	358.98	9,729.7	5,505.4	39.6	5,505.5	0.39	0.38	0.10
15,229.0	86.77	358.18	9,734.5	5,599.3	37.3	5,599.4	1.07	-0.65	-0.85
15,323.0	88.53	358.18	9,738.4	5,693.1	34.3	5,693.2	1.87	1.87	0.00
15,416.0	88.75	357.66	9,740.6	5,786.0	31.0	5,786.1	0.61	0.24	-0.56
15,509.0	89.32	354.05	9,742.2	5,878.8	24.2	5,878.7	3.93	0.61	-3.88
15,603.0	89.14	351.59	9,743.4	5,972.0	12.5	5,971.9	2.62	-0.19	-2.62
15,696.0	90.07	353.26	9,744.1	6,064.2	0.2	6,063.9	2.06	1.00	1.80
15,790.0	89.76	355.81	9,744.2	6,157.8	-8.7	6,157.4	2.73	-0.33	2.71
15,884.0	92.53	2.05	9,742.3	6,251.7	-10.5	6,251.3	7.26	2.95	6.64
15,978.0	91.43	3.63	9,739.1	6,345.5	-5.8	6,345.2	2.05	-1.17	1.68
16,071.0	89.27	3.90	9,738.5	6,438.3	0.3	6,438.0	2.34	-2.32	0.29
16,164.0	88.53	3.02	9,740.3	6,531.1	5.9	6,530.9	1.24	-0.80	-0.95
16,258.0	89.23	3.81	9,742.1	6,624.9	11.5	6,624.7	1.12	0.74	0.84
16,351.0	88.44	3.19	9,744.0	6,717.7	17.2	6,717.6	1.08	-0.85	-0.67
16,444.0	89.23	3.55	9,745.9	6,810.5	22.6	6,810.5	0.93	0.85	0.39
16,538.0	85.05	1.96	9,750.6	6,904.3	27.2	6,904.2	4.76	-4.45	-1.69
16,553.8	84.92	1.92	9,752.0	6,920.0	27.7	6,920.0	0.84	-0.80	-0.28
Wolfcamp A Fat									
16,631.0	84.31	1.70	9,759.2	6,996.8	30.1	6,996.8	0.84	-0.80	-0.28
16,672.0	83.63	1.70	9,763.5	7,037.6	31.3	7,037.6	1.66	-1.66	0.00
LTP @ 16672'MD, 330'FNL & 937'FEL									
16,724.0	82.77	1.70	9,769.7	7,089.2	32.9	7,089.2	1.66	-1.66	0.00
LAST SVY									
16,800.0	82.77	1.70	9,779.3	7,164.6	35.1	7,164.6	0.00	0.00	0.00
Projection to TD @ 16800'MD, 203.5'FNL & 934.6'FEL									

Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Money Graham Fed Com #204H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB @ 2892.0usft (H&P 245)
Site:	(Money Graham) Sec-32_T-26-S_R-29-E	MD Reference:	KB @ 2892.0usft (H&P 245)
Well:	Money Graham Fed Com #204H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTP (Money Graham - actual wellpath misses target center by 241.4usft at 9587.9usft MD (9508.9 TVD, 6.1 N, -43.3 E) - Point	0.00	0.01	9,693.0	-150.0	-42.0	364,039.00	644,279.00	32° 0' 1.399 N	104° 0' 4.502 W
LTP (Money Graham - actual wellpath misses target center by 8.4usft at 16671.3usft MD (9763.5 TVD, 7036.9 N, 31.3 E) - Point	0.00	0.01	9,765.1	7,037.0	23.0	371,226.00	644,344.00	32° 1' 12.521 N	104° 0' 3.491 W
PBHL (Money Graham - actual wellpath misses target center by 18.2usft at 16800.0usft MD (9779.3 TVD, 7164.6 N, 35.1 E) - Rectangle (sides W100.0 H1,217.8 D30.0)	0.60	0.52	9,765.1	7,167.0	24.0	371,356.00	644,345.00	32° 1' 13.808 N	104° 0' 3.474 W

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
507.0	507.0	Rustler Anhydrite			
682.1	682.0	Top Salt			
2,396.5	2,392.0	Base Salt			
2,737.0	2,732.0	Delaware Mountain Gp			
2,852.1	2,847.0	Bell Canyon			
2,852.1	2,847.0	Lamar			
2,892.2	2,887.0	Ramsey Sand			
3,869.3	3,862.0	Cherry Canyon			
4,844.4	4,837.0	Brushy Canyon			
6,434.7	6,427.0	Bone Spring Lime			
7,360.0	7,352.0	1st Bone Spring Sand			
7,940.0	7,932.0	2nd Bone Spring Sand			
9,182.4	9,174.0	3rd Bone Spring Sand			
9,476.0	9,432.0	3rd BS W Sand			
9,609.1	9,522.0	Wolfcamp A			
9,836.6	9,632.0	Wolfcamp A Y Sand			
16,553.8	9,752.0	Wolfcamp A Fat			

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
9,347.0	9,327.9	-150.5	-49.4	FTP @ 9347'MD, 100'FSL & 953'FEL
16,672.0	9,763.5	7,037.6	31.3	LTP @ 16672'MD, 330'FNL & 937'FEL
16,724.0	9,769.7	7,089.2	32.9	LAST SVY
16,800.0	9,779.3	7,164.6	35.1	Projection to TD @ 16800'MD, 203.5'FNL & 934.6'FEL

Checked By: _____ Approved By: _____ Date: _____