

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 15-46883	⁵ Pool Name PURPLE SAGE; WOLFCAMP		⁶ Pool Code 98220
⁷ Property Code 327308	⁸ Property Name NAILED IT FED COM		⁹ Well Number 224H

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
1	36	26-S	30-E	-	766'	SOUTH	668'	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
I	25	26-S	30-E	-	2399'	SOUTH	786'	EAST	EDDY
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 10/14/2020	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

NSL-8067

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 7/14/2020	²² Ready Date 9/21/2020	²³ TD 16050'	²⁴ PBTD 15984'	²⁵ Perforations 11655' - 15899'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5"	13.375"	924'	800		
12.25"	9.625"	3677'	1114		
8.75"	7.625"	11202'	842		
6.75"	5.5" / 5"	10995' / 16030'	635		

V. Well Test Data

³¹ Date New Oil 10/14/2020	³² Gas Delivery Date 10/14/2020	³³ Test Date 10/20/2020	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 0	³⁶ Csg. Pressure 3883
³⁷ Choke Size 34/64	³⁸ Oil 210	³⁹ Water 4848	⁴⁰ Gas 3384		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: Ramsey		OIL CONSERVATION DIVISION	
Printed name: Bill Ramsey		Approved by: 	
Title: Regulatory Analyst		Title: BUSINESS OP. SPEC.	
E-mail Address: bramsey@taprk.com		Approval Date: 01/07/2021	
Date: 11/4/2020	Phone: 720-360-4028	01/07/2021 Request for NMOCD extension of time to file BLM-Approved form 3160-4. File 3160-4 within 10 days to NMOCD after BLM approval.	

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 30-015-46883	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP
⁴ Property Code 327308	⁵ Property Name NAILED IT FED COM	⁶ Well Number 224H
⁷ OGRID No. 372043	⁸ Operator Name TAP ROCK OPERATING, LLC.	⁹ Elevation 3045'

¹⁰Surface Location

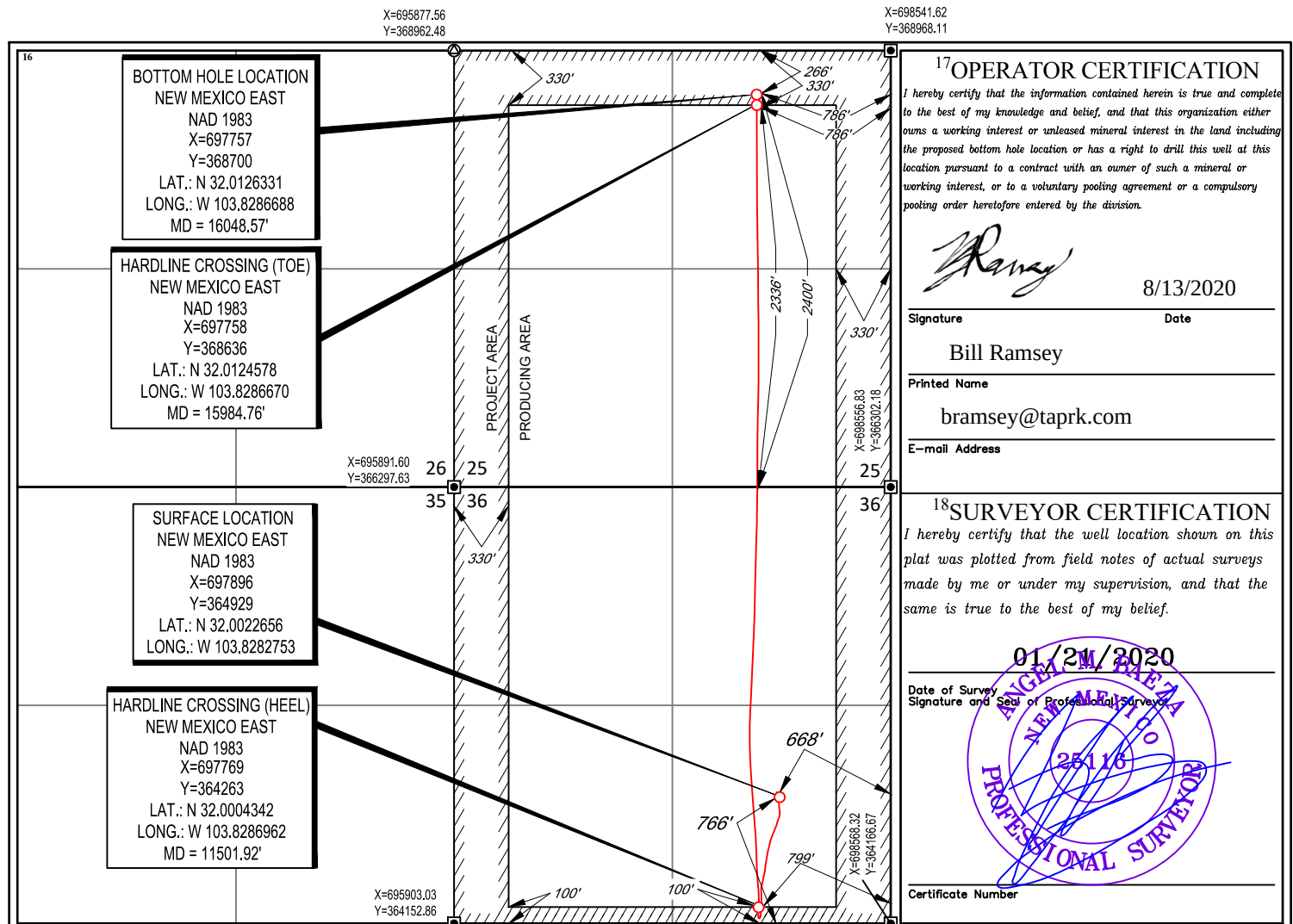
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	36	26-S	30-E	-	766'	SOUTH	668'	EAST	EDDY

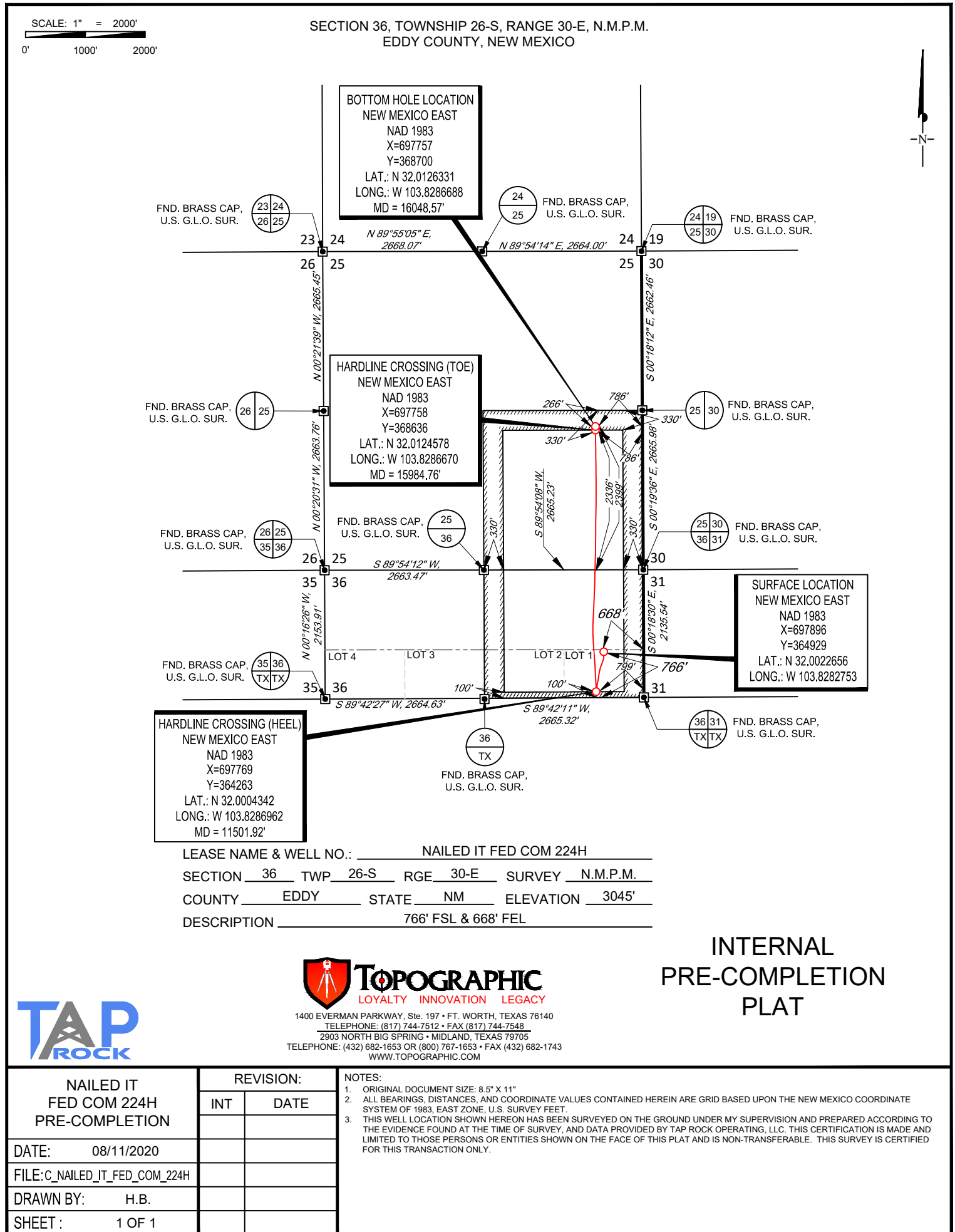
¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	25	26-S	30-E	-	2399'	SOUTH	786'	EAST	EDDY

¹² Dedicated Acres 288.4	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--	-------------------------------	----------------------------------	-------------------------

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.







Tap Rock Resources, LLC

**Eddy County, NM (NAD 83 NME)
(Nailed It) Sec-36_T-26-S_R-30-E
Nailed It Fed Com #224H**

OWB

Design: AWB

Standard Survey Report

10 August, 2020





Operator: Tap Rock Resources, LLC.
Well Name: Nailed It Fed Com #224H
County: Eddy
State: New Mexico
Rig Name: H&P 376
Job Number: 30-015-46883

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: 174' MD – 15,979' MD
Projection to Bit: 16,050' MD
Dates Performed: 07/14/2020 – 08/09/2020
Type of Survey: MWD

Sincerely,

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

James Burleson
Vice President of MWD Operations
Intrepid Directional Drilling Specialists





Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Nailed It Fed Com #224H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB @ 3071.0usft (H&P 376)
Site:	(Nailed It) Sec-36_T-26-S_R-30-E	MD Reference:	KB @ 3071.0usft (H&P 376)
Well:	Nailed It Fed Com #224H	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	(Nailed It) Sec-36_T-26-S_R-30-E		
Site Position:		Northing:	364,471.00 usft
From:	Map	Easting:	693,516.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 0' 3.820 N
		Longitude:	103° 50' 32.687 W
		Grid Convergence:	0.26 °

Well	Nailed It Fed Com #224H		
Well Position	+N/-S	0.0 usft	Northing: 364,929.00 usft
	+E/-W	0.0 usft	Easting: 697,897.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 0' 8.152 N
		Longitude:	103° 49' 41.785 W
		Ground Level:	3,045.0 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	07/15/20	6.62	59.54	47,588.09348301

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	359.68	

Survey Program	Date	08/10/20			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
174.0	16,050.0	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
174.0	0.40	179.58	174.0	-0.6	0.0	-0.6	0.23	0.23	0.00
236.0	0.22	343.06	236.0	-0.7	0.0	-0.7	0.99	-0.29	263.68
328.0	0.40	267.03	328.0	-0.6	-0.4	-0.6	0.44	0.20	-82.64
420.0	1.01	219.57	420.0	-1.2	-1.2	-1.2	0.87	0.66	-51.59
513.0	1.27	196.19	513.0	-2.8	-2.0	-2.8	0.57	0.28	-25.14
605.0	1.01	193.47	605.0	-4.6	-2.5	-4.6	0.29	-0.28	-2.96
700.0	0.40	234.87	699.9	-5.6	-3.0	-5.6	0.80	-0.64	43.58
795.0	0.35	202.96	794.9	-6.1	-3.4	-6.0	0.22	-0.05	-33.59
815.1	0.58	221.68	815.0	-6.2	-3.5	-6.2	1.34	1.12	93.36
Rustler Anhydrite									



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Nailed It Fed Com #224H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB @ 3071.0usft (H&P 376)
Site:	(Nailed It) Sec-36_T-26-S_R-30-E	MD Reference:	KB @ 3071.0usft (H&P 376)
Well:	Nailed It Fed Com #224H	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)
873.0	1.32	235.92	872.9	-6.8	-4.2	-6.8	1.34	1.29	24.57
958.0	2.86	236.01	957.9	-8.5	-6.8	-8.5	1.81	1.81	0.11
1,048.0	2.07	256.22	1,047.8	-10.2	-10.2	-10.1	1.29	-0.88	22.46
1,143.0	1.71	0.02	1,142.8	-9.1	-11.9	-9.1	3.14	-0.38	109.26
1,237.0	2.81	5.30	1,236.7	-5.4	-11.7	-5.4	1.19	1.17	5.62
1,332.0	2.86	353.78	1,331.6	-0.8	-11.7	-0.7	0.60	0.05	-12.13
1,426.0	2.81	350.88	1,425.5	3.8	-12.3	3.9	0.16	-0.05	-3.09
1,445.6	2.79	349.92	1,445.0	4.8	-12.5	4.8	0.26	-0.09	-4.93
Top Salt									
1,520.0	2.73	346.14	1,519.3	8.3	-13.2	8.4	0.26	-0.08	-5.07
1,614.0	3.08	338.49	1,613.2	12.8	-14.7	12.9	0.55	0.37	-8.14
1,708.0	2.95	357.39	1,707.1	17.6	-15.7	17.7	1.06	-0.14	20.11
1,802.0	1.80	355.28	1,801.0	21.5	-16.0	21.5	1.23	-1.22	-2.24
1,896.0	1.67	353.61	1,895.0	24.3	-16.2	24.4	0.15	-0.14	-1.78
1,990.0	1.93	347.45	1,988.9	27.2	-16.7	27.3	0.34	0.28	-6.55
2,085.0	0.53	9.16	2,083.9	29.2	-17.0	29.3	1.53	-1.47	22.85
2,179.0	0.57	100.57	2,177.9	29.5	-16.5	29.6	0.84	0.04	97.24
2,274.0	0.79	129.13	2,272.9	29.0	-15.5	29.1	0.42	0.23	30.06
2,368.0	1.58	141.97	2,366.9	27.6	-14.2	27.7	0.88	0.84	13.66
2,463.0	2.99	151.46	2,461.8	24.4	-12.2	24.5	1.53	1.48	9.99
2,557.0	4.04	166.49	2,555.6	19.0	-10.3	19.1	1.48	1.12	15.99
2,652.0	4.48	175.28	2,650.4	12.1	-9.2	12.1	0.83	0.46	9.25
2,747.0	5.27	182.22	2,745.0	4.0	-9.0	4.1	1.04	0.83	7.31
2,841.0	4.70	177.74	2,838.7	-4.1	-9.1	-4.1	0.73	-0.61	-4.77
2,935.0	4.92	178.79	2,932.3	-12.0	-8.8	-12.0	0.25	0.23	1.12
3,030.0	7.21	171.41	3,026.8	-22.0	-7.9	-21.9	2.54	2.41	-7.77
3,124.0	9.27	170.97	3,119.8	-35.3	-5.8	-35.3	2.19	2.19	-0.47
3,219.0	8.70	176.33	3,213.7	-50.0	-4.1	-50.0	1.07	-0.60	5.64
3,313.0	9.36	174.92	3,306.5	-64.7	-3.0	-64.7	0.74	0.70	-1.50
3,408.0	10.33	167.89	3,400.1	-80.8	-0.5	-80.8	1.62	1.02	-7.40
3,448.6	10.09	172.99	3,440.0	-87.8	0.7	-87.8	2.31	-0.60	12.58
Base Salt									
3,502.0	9.89	180.02	3,492.6	-97.1	1.2	-97.1	2.31	-0.37	13.15
3,624.0	7.74	199.71	3,613.2	-115.3	-1.5	-115.3	3.01	-1.76	16.14
3,651.0	7.51	200.12	3,640.0	-118.7	-2.7	-118.6	0.88	-0.86	1.51
Delaware Mountain Gp									
3,661.1	7.42	200.28	3,650.0	-119.9	-3.2	-119.9	0.88	-0.86	1.58
Lamar									
3,676.2	7.29	200.52	3,665.0	-121.7	-3.9	-121.7	0.88	-0.86	1.62
Bell Canyon									
3,691.3	7.16	200.78	3,680.0	-123.5	-4.5	-123.5	0.88	-0.86	1.68
Ramsey Sand									
3,778.0	6.42	202.43	3,766.0	-133.0	-8.3	-133.0	0.88	-0.85	1.91
3,872.0	6.29	197.69	3,859.5	-142.8	-11.9	-142.7	0.57	-0.14	-5.04



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Nailed It Fed Com #224H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB @ 3071.0usft (H&P 376)
Site:	(Nailed It) Sec-36_T-26-S_R-30-E	MD Reference:	KB @ 3071.0usft (H&P 376)
Well:	Nailed It Fed Com #224H	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)
3,967.0	6.68	192.77	3,953.9	-153.1	-14.7	-153.0	0.71	0.41	-5.18
4,061.0	6.33	195.14	4,047.3	-163.5	-17.2	-163.4	0.47	-0.37	2.52
4,156.0	7.91	200.68	4,141.5	-174.6	-20.9	-174.5	1.81	1.66	5.83
4,251.0	9.10	203.40	4,235.5	-187.6	-26.2	-187.5	1.32	1.25	2.86
4,345.0	9.14	202.08	4,328.3	-201.4	-32.0	-201.2	0.23	0.04	-1.40
4,440.0	8.92	201.64	4,422.1	-215.2	-37.5	-215.0	0.24	-0.23	-0.46
4,535.0	8.40	201.12	4,516.0	-228.5	-42.7	-228.3	0.55	-0.55	-0.55
4,630.0	7.65	202.70	4,610.1	-240.8	-47.7	-240.6	0.82	-0.79	1.66
4,724.0	8.57	199.71	4,703.2	-253.2	-52.5	-252.9	1.08	0.98	-3.18
4,819.0	9.71	194.35	4,796.9	-267.6	-56.8	-267.3	1.50	1.20	-5.64
4,877.9	9.52	193.27	4,855.0	-277.2	-59.2	-276.9	0.44	-0.32	-1.83
Cherry Canyon									
4,914.0	9.41	192.59	4,890.6	-283.0	-60.5	-282.6	0.44	-0.31	-1.89
5,009.0	9.45	193.64	4,984.3	-298.1	-64.0	-297.8	0.19	0.04	1.11
5,103.0	9.19	193.38	5,077.1	-312.9	-67.6	-312.6	0.28	-0.28	-0.28
5,199.0	8.31	194.26	5,172.0	-327.1	-71.1	-326.7	0.93	-0.92	0.92
5,293.0	8.13	191.89	5,265.0	-340.2	-74.1	-339.8	0.41	-0.19	-2.52
5,388.0	8.75	187.14	5,359.0	-354.0	-76.4	-353.5	0.98	0.65	-5.00
5,483.0	9.54	190.13	5,452.8	-368.9	-78.7	-368.4	0.97	0.83	3.15
5,578.0	9.58	189.95	5,546.5	-384.4	-81.4	-383.9	0.05	0.04	-0.19
5,673.0	10.51	188.72	5,640.0	-400.8	-84.1	-400.3	1.00	0.98	-1.29
5,767.0	10.07	186.26	5,732.5	-417.4	-86.3	-416.9	0.66	-0.47	-2.62
5,800.0	9.92	185.79	5,765.0	-423.1	-86.9	-422.6	0.53	-0.47	-1.43
Brushy Canyon									
5,862.0	9.63	184.86	5,826.1	-433.6	-87.9	-433.1	0.53	-0.46	-1.50
5,956.0	10.33	186.26	5,918.7	-449.8	-89.5	-449.3	0.79	0.74	1.49
6,051.0	10.64	202.61	6,012.1	-466.4	-93.8	-465.8	3.14	0.33	17.21
6,145.0	9.10	187.67	6,104.7	-481.7	-98.1	-481.2	3.17	-1.64	-15.89
6,240.0	8.92	187.84	6,198.6	-496.5	-100.1	-495.9	0.19	-0.19	0.18
6,334.0	7.25	191.10	6,291.6	-509.5	-102.3	-508.9	1.84	-1.78	3.47
6,428.0	7.25	196.11	6,384.9	-521.0	-105.0	-520.4	0.67	0.00	5.33
6,523.0	7.87	194.35	6,479.0	-533.1	-108.3	-532.5	0.70	0.65	-1.85
6,618.0	8.62	188.02	6,573.1	-546.5	-110.9	-545.8	1.24	0.79	-6.66
6,712.0	9.27	179.32	6,665.9	-561.0	-111.8	-560.4	1.59	0.69	-9.26
6,806.0	9.19	178.26	6,758.7	-576.1	-111.5	-575.4	0.20	-0.09	-1.13
6,900.0	9.36	176.59	6,851.5	-591.2	-110.8	-590.6	0.34	0.18	-1.78
6,995.0	9.54	178.97	6,945.2	-606.8	-110.2	-606.2	0.45	0.19	2.51
7,089.0	8.97	180.29	7,038.0	-621.9	-110.1	-621.3	0.65	-0.61	1.40
7,183.0	8.57	178.53	7,130.9	-636.2	-110.0	-635.6	0.51	-0.43	-1.87
7,278.0	8.22	178.09	7,224.8	-650.1	-109.6	-649.5	0.37	-0.37	-0.46
7,372.0	6.86	184.59	7,318.0	-662.4	-109.8	-661.8	1.71	-1.45	6.91
7,467.0	6.42	182.39	7,412.4	-673.4	-110.5	-672.7	0.53	-0.46	-2.32
7,561.0	6.02	184.77	7,505.8	-683.5	-111.1	-682.9	0.51	-0.43	2.53
7,590.3	5.62	185.74	7,535.0	-686.5	-111.4	-685.9	1.40	-1.36	3.32



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Nailed It Fed Com #224H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB @ 3071.0usft (H&P 376)
Site:	(Nailed It) Sec-36_T-26-S_R-30-E	MD Reference:	KB @ 3071.0usft (H&P 376)
Well:	Nailed It Fed Com #224H	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)
Bone Spring Lime									
7,655.0	4.75	188.46	7,599.4	-692.3	-112.1	-691.7	1.40	-1.35	4.20
7,725.8	4.45	189.10	7,670.0	-697.9	-112.9	-697.3	0.43	-0.42	0.91
Upper Avalon									
7,750.0	4.35	189.34	7,694.1	-699.7	-113.2	-699.1	0.43	-0.42	0.99
7,844.0	3.52	189.51	7,787.9	-706.1	-114.3	-705.5	0.88	-0.88	0.18
7,939.0	2.20	182.83	7,882.8	-710.8	-114.9	-710.2	1.43	-1.39	-7.03
8,033.0	2.15	195.23	7,976.7	-714.3	-115.4	-713.7	0.50	-0.05	13.19
8,101.3	1.96	193.10	8,045.0	-716.7	-116.0	-716.0	0.30	-0.27	-3.12
Middle Avalon									
8,128.0	1.89	192.15	8,071.7	-717.6	-116.2	-716.9	0.30	-0.27	-3.55
8,222.0	1.45	184.24	8,165.6	-720.3	-116.6	-719.6	0.53	-0.47	-8.41
8,316.0	1.19	208.85	8,259.6	-722.3	-117.2	-721.6	0.66	-0.28	26.18
8,341.4	0.93	205.17	8,285.0	-722.7	-117.4	-722.1	1.05	-1.02	-14.49
Lower Avalon									
8,411.0	0.31	162.71	8,354.6	-723.4	-117.6	-722.7	1.05	-0.89	-61.01
8,505.0	1.41	22.17	8,448.6	-722.6	-117.1	-721.9	1.77	1.17	-149.51
8,561.4	0.28	27.64	8,505.0	-721.8	-116.7	-721.2	2.01	-2.01	9.69
1st Bone Spring Sand									
8,599.0	0.48	196.90	8,542.6	-721.9	-116.8	-721.2	2.01	0.54	450.54
8,694.0	0.48	186.09	8,637.6	-722.7	-116.9	-722.0	0.10	0.00	-11.38
8,788.0	0.40	232.93	8,731.6	-723.3	-117.2	-722.6	0.38	-0.09	49.83
8,882.0	0.44	152.25	8,825.6	-723.8	-117.3	-723.1	0.58	0.04	-85.83
8,896.4	0.39	161.78	8,840.0	-723.9	-117.3	-723.2	0.58	-0.32	65.99
2nd Bone Spring Carb									
8,977.0	0.44	229.24	8,920.6	-724.3	-117.4	-723.7	0.58	0.06	83.74
9,071.0	0.84	215.09	9,014.6	-725.1	-118.1	-724.5	0.45	0.43	-15.05
9,166.0	1.14	234.43	9,109.5	-726.3	-119.3	-725.6	0.47	0.32	20.36
9,201.5	1.28	244.61	9,145.0	-726.6	-119.9	-725.9	0.72	0.40	28.69
2nd Bone Spring Sand									
9,260.0	1.58	256.75	9,203.5	-727.1	-121.3	-726.4	0.72	0.51	20.75
9,355.0	0.22	279.43	9,298.5	-727.4	-122.7	-726.7	1.45	-1.43	23.87
9,449.0	0.88	192.33	9,392.5	-728.0	-123.1	-727.3	0.95	0.70	-92.66
9,543.0	1.36	209.82	9,486.5	-729.7	-123.8	-729.0	0.62	0.51	18.61
9,638.0	0.48	226.34	9,581.5	-731.0	-124.6	-730.3	0.96	-0.93	17.39
9,733.0	0.22	268.79	9,676.5	-731.2	-125.1	-730.5	0.37	-0.27	44.68
9,791.5	0.38	143.42	9,735.0	-731.4	-125.1	-730.7	0.91	0.27	-214.18
3rd Bone Spring Carb									
9,828.0	0.70	134.23	9,771.5	-731.7	-124.9	-730.9	0.91	0.89	-25.19
9,922.0	1.63	120.17	9,865.4	-732.7	-123.3	-732.0	1.03	0.99	-14.96
10,016.0	0.40	43.62	9,959.4	-733.2	-121.9	-732.5	1.69	-1.31	-81.44
10,111.0	0.40	14.96	10,054.4	-732.6	-121.6	-731.9	0.21	0.00	-30.17
10,205.0	0.31	291.91	10,148.4	-732.2	-121.7	-731.5	0.51	-0.10	-88.35
10,300.0	0.40	259.04	10,243.4	-732.2	-122.3	-731.5	0.23	0.09	-34.60



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Nailed It Fed Com #224H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB @ 3071.0usft (H&P 376)
Site:	(Nailed It) Sec-36_T-26-S_R-30-E	MD Reference:	KB @ 3071.0usft (H&P 376)
Well:	Nailed It Fed Com #224H	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)
10,394.0	0.22	319.42	10,337.4	-732.1	-122.7	-731.4	0.37	-0.19	64.23
10,466.6	0.78	359.46	10,410.0	-731.5	-122.8	-730.8	0.86	0.77	55.16
3rd Bone Spring Sand									
10,489.0	0.97	2.04	10,432.4	-731.1	-122.8	-730.4	0.86	0.85	11.52
10,584.0	0.70	347.63	10,527.4	-729.8	-122.9	-729.1	0.36	-0.28	-15.17
10,678.0	0.48	287.95	10,621.4	-729.1	-123.4	-728.4	0.66	-0.23	-63.49
10,771.6	0.31	270.31	10,715.0	-729.0	-124.1	-728.3	0.22	-0.18	-18.84
3rd BS W Sand									
10,772.0	0.31	270.20	10,715.4	-729.0	-124.1	-728.3	0.22	-0.16	-28.72
10,861.6	0.39	244.51	10,805.0	-729.1	-124.6	-728.4	0.20	0.09	-28.67
Wolfcamp A X Sand									
10,866.0	0.40	243.57	10,809.4	-729.1	-124.6	-728.4	0.20	0.13	-21.48
10,961.0	0.44	208.76	10,904.4	-729.6	-125.1	-728.9	0.27	0.04	-36.64
10,961.6	0.44	208.76	10,905.0	-729.6	-125.1	-728.9	0.00	0.00	0.00
Wolfcamp A Y Sand									
11,031.6	0.47	221.53	10,975.0	-730.0	-125.4	-729.3	0.15	0.04	18.25
Wolfcamp A Lower									
11,056.0	0.48	225.55	10,999.4	-730.2	-125.5	-729.5	0.15	0.06	16.46
11,143.0	1.01	284.79	11,086.4	-730.2	-126.5	-729.5	1.00	0.61	68.09
11,224.0	1.10	296.56	11,167.4	-729.7	-127.9	-729.0	0.29	0.11	14.53
11,281.6	1.81	323.63	11,225.0	-728.7	-129.0	-728.0	1.69	1.24	46.96
Wolfcamp B									
11,287.0	1.89	325.04	11,230.3	-728.6	-129.1	-727.8	1.69	1.45	26.33
11,381.0	14.42	359.93	11,323.2	-715.5	-130.0	-714.8	13.74	13.33	37.12
11,468.6	27.07	4.75	11,405.0	-684.6	-128.3	-683.9	14.56	14.44	5.50
Wolfcamp B1									
11,475.0	28.00	4.94	11,410.7	-681.7	-128.1	-681.0	14.56	14.50	2.94
11,570.0	37.45	1.16	11,490.5	-630.5	-125.6	-629.8	10.17	9.95	-3.98
11,664.0	43.16	355.19	11,562.2	-569.8	-127.7	-569.1	7.33	6.07	-6.35
11,759.0	55.25	355.10	11,624.1	-498.3	-133.8	-497.5	12.73	12.73	-0.09
11,830.4	65.16	357.36	11,659.6	-436.5	-137.8	-435.7	14.15	13.89	3.17
FTP @ 11830.4'MD, 330'FSL & 806.9'FEL									
11,853.0	68.31	358.00	11,668.5	-415.8	-138.6	-415.0	14.15	13.92	2.82
11,948.0	75.43	358.70	11,698.0	-325.6	-141.2	-324.8	7.53	7.49	0.74
12,043.0	83.34	355.80	11,715.5	-232.4	-145.7	-231.6	8.85	8.33	-3.05
12,137.0	86.86	355.54	11,723.6	-139.0	-152.8	-138.2	3.75	3.74	-0.28
12,232.0	88.66	355.36	11,727.3	-44.4	-160.3	-43.5	1.90	1.89	-0.19
12,327.0	89.05	355.98	11,729.2	50.3	-167.5	51.2	0.77	0.41	0.65
12,421.0	88.92	356.42	11,730.8	144.1	-173.7	145.0	0.49	-0.14	0.47
12,516.0	88.40	357.82	11,733.1	238.9	-178.5	239.9	1.57	-0.55	1.47
12,610.0	88.13	358.88	11,735.9	332.8	-181.2	333.8	1.16	-0.29	1.13
12,704.0	88.92	0.90	11,738.3	426.8	-181.4	427.8	2.31	0.84	2.15
12,798.0	91.82	3.19	11,737.7	520.7	-178.0	521.7	3.93	3.09	2.44
12,892.0	90.37	2.83	11,735.9	614.6	-173.1	615.5	1.59	-1.54	-0.38
12,986.0	90.64	2.75	11,735.1	708.5	-168.5	709.4	0.30	0.29	-0.09



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Nailed It Fed Com #224H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB @ 3071.0usft (H&P 376)
Site:	(Nailed It) Sec-36_T-26-S_R-30-E	MD Reference:	KB @ 3071.0usft (H&P 376)
Well:	Nailed It Fed Com #224H	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)
13,080.0	90.11	2.31	11,734.5	802.4	-164.3	803.3	0.73	-0.56	-0.47
13,175.0	90.15	2.48	11,734.3	897.3	-160.4	898.2	0.18	0.04	0.18
13,270.0	90.02	2.31	11,734.1	992.2	-156.4	993.1	0.23	-0.14	-0.18
13,364.0	88.88	1.69	11,735.0	1,086.1	-153.1	1,087.0	1.38	-1.21	-0.66
13,459.0	88.13	1.25	11,737.5	1,181.1	-150.7	1,181.9	0.92	-0.79	-0.46
13,553.0	88.53	1.34	11,740.2	1,275.0	-148.6	1,275.8	0.44	0.43	0.10
13,647.0	88.18	1.43	11,742.9	1,368.9	-146.3	1,369.7	0.38	-0.37	0.10
13,742.0	88.00	1.43	11,746.1	1,463.9	-143.9	1,464.6	0.19	-0.19	0.00
13,836.0	88.40	2.13	11,749.1	1,557.8	-141.0	1,558.5	0.86	0.43	0.74
13,931.0	89.80	1.25	11,750.6	1,652.7	-138.2	1,653.5	1.74	1.47	-0.93
14,025.0	89.54	0.55	11,751.1	1,746.7	-136.7	1,747.4	0.79	-0.28	-0.74
14,120.0	89.80	0.55	11,751.6	1,841.7	-135.8	1,842.4	0.27	0.27	0.00
14,214.0	89.36	0.37	11,752.3	1,935.7	-135.1	1,936.4	0.51	-0.47	-0.19
14,309.0	89.45	0.29	11,753.3	2,030.7	-134.5	2,031.4	0.13	0.09	-0.08
14,403.0	90.51	0.02	11,753.4	2,124.7	-134.3	2,125.4	1.16	1.13	-0.29
14,497.0	92.04	0.73	11,751.3	2,218.6	-133.6	2,219.4	1.79	1.63	0.76
14,592.0	91.78	1.43	11,748.1	2,313.6	-131.9	2,314.3	0.79	-0.27	0.74
14,686.0	91.65	1.52	11,745.3	2,407.5	-129.4	2,408.2	0.17	-0.14	0.10
14,781.0	87.52	0.20	11,746.0	2,502.5	-128.0	2,503.1	4.56	-4.35	-1.39
14,875.0	87.87	0.20	11,749.8	2,596.4	-127.7	2,597.1	0.37	0.37	0.00
14,970.0	87.47	359.76	11,753.6	2,691.3	-127.7	2,692.0	0.63	-0.42	-0.46
15,064.0	87.74	359.85	11,757.5	2,785.2	-128.0	2,785.9	0.30	0.29	0.10
15,159.0	87.60	359.85	11,761.4	2,880.2	-128.3	2,880.8	0.15	-0.15	0.00
15,253.0	88.53	358.70	11,764.6	2,974.1	-129.5	2,974.8	1.57	0.99	-1.22
15,348.0	90.15	0.46	11,765.7	3,069.1	-130.2	3,069.8	2.52	1.71	1.85
15,442.0	87.87	358.88	11,767.3	3,163.0	-130.7	3,163.7	2.95	-2.43	-1.68
15,537.0	89.32	359.06	11,769.6	3,258.0	-132.4	3,258.7	1.54	1.53	0.19
15,631.0	90.02	359.49	11,770.2	3,352.0	-133.6	3,352.7	0.87	0.74	0.46
15,725.0	88.79	358.88	11,771.1	3,446.0	-134.9	3,446.7	1.46	-1.31	-0.65
15,820.0	92.44	359.76	11,770.1	3,540.9	-136.1	3,541.7	3.95	3.84	0.93
15,914.0	89.85	358.62	11,768.2	3,634.9	-137.4	3,635.6	3.01	-2.76	-1.21
15,979.0	91.60	359.23	11,767.4	3,699.9	-138.6	3,700.6	2.85	2.69	0.94
LAST SVY									
15,984.9	91.60	359.23	11,767.3	3,705.8	-138.7	3,706.5	0.00	0.00	0.00
LTP @ 15984.9'MD, 330'FNL & 1091.6'FEL									
16,050.0	91.60	359.23	11,765.4	3,770.9	-139.6	3,771.6	0.00	0.00	0.00
Projection to TD @ 16050'MD, 265.3'FNL & 1091.6'FEL									



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Nailed It Fed Com #224H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB @ 3071.0usft (H&P 376)
Site:	(Nailed It) Sec-36_T-26-S_R-30-E	MD Reference:	KB @ 3071.0usft (H&P 376)
Well:	Nailed It Fed Com #224H	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	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
FTP (Nailed It Fed Co - actual wellpath misses target center by 58.8usft at 11853.0usft MD (11668.5 TVD, -415.8 N, -138.6 E) - Point	0.00	0.00	11,723.0	-436.0	-130.0	364,493.00	697,767.00	32° 0' 3.844 N	103° 49' 43.319 W
PBHL (Nailed It Fed C - actual wellpath misses target center by 70.2usft at 16050.0usft MD (11765.4 TVD, 3770.9 N, -139.6 E) - Rectangle (sides W100.0 H4,274.0 D30.0)	0.40	359.68	11,746.8	3,837.0	-154.0	368,766.00	697,743.00	32° 0' 46.131 N	103° 49' 43.366 W
LTP (Nailed It Fed Co - actual wellpath misses target center by 25.0usft at 15984.9usft MD (11767.3 TVD, 3705.8 N, -138.7 E) - Point	0.00	0.00	11,746.8	3,707.0	-153.0	368,636.00	697,744.00	32° 0' 44.844 N	103° 49' 43.361 W

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
815.1	815.0	Rustler Anhydrite			
1,445.6	1,445.0	Top Salt			
3,448.6	3,440.0	Base Salt			
3,651.0	3,640.0	Delaware Mountain Gp			
3,661.1	3,650.0	Lamar			
3,676.2	3,665.0	Bell Canyon			
3,691.3	3,680.0	Ramsey Sand			
4,877.9	4,855.0	Cherry Canyon			
5,800.0	5,765.0	Brushy Canyon			
7,590.3	7,535.0	Bone Spring Lime			
7,725.8	7,670.0	Upper Avalon			
8,101.3	8,045.0	Middle Avalon			
8,341.4	8,285.0	Lower Avalon			
8,561.4	8,505.0	1st Bone Spring Sand			
8,896.4	8,840.0	2nd Bone Spring Carb			
9,201.5	9,145.0	2nd Bone Spring Sand			
9,791.5	9,735.0	3rd Bone Spring Carb			
10,466.6	10,410.0	3rd Bone Spring Sand			
10,771.6	10,715.0	3rd BS W Sand			
10,861.6	10,805.0	Wolfcamp A X Sand			
10,961.6	10,905.0	Wolfcamp A Y Sand			
11,031.6	10,975.0	Wolfcamp A Lower			
11,281.6	11,225.0	Wolfcamp B			
11,468.6	11,405.0	Wolfcamp B1			

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
11,830.4	11,659.6	-436.5	-137.8	FTP @ 11830.4'MD, 330'FSL & 806.9'FEL
15,979.0	11,767.4	3,699.9	-138.6	LAST SVY
15,984.9	11,767.3	3,705.8	-138.7	LTP @ 15984.9'MD, 330'FNL & 1091.6'FEL
16,050.0	11,765.4	3,770.9	-139.6	Projection to TD @ 16050'MD, 265.3'FNL & 1091.6'FEL

**Intrepid**
Survey Report

Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Nailed It Fed Com #224H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB @ 3071.0usft (H&P 376)
Site:	(Nailed It) Sec-36_T-26-S_R-30-E	MD Reference:	KB @ 3071.0usft (H&P 376)
Well:	Nailed It Fed Com #224H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Checked By: _____	Approved By: _____	Date: _____
-------------------	--------------------	-------------

State of New Mexico
Energy, Minerals and Natural Resources Department

Michelle Lujan Grisham
Governor

Sarah Cottrell Propst
Cabinet Secretary

Todd E. Leahy, JD, PhD
Deputy Cabinet Secretary

Adrienne E. Sandoval, Director
Oil Conservation Division



August 13, 2020

Ms. Kaitlyn A. Luck
kaluck@hollandhart.com

NON-STANDARD LOCATION

Administrative Order NSL-8067

**Tap Rock Operating, LLC [OGRID 372043]
Nailed It Federal Com Well No. 224H
API No. 30-015-46883**

Proposed Location

	<u>Footages</u>	<u>Unit/Lot</u>	<u>Sec.</u>	<u>Twsp</u>	<u>Range</u>	<u>County</u>
Surface	766 FSL & 668 FEL	1	36	26S	30E	Eddy
First Take Point	100 FSL & 800 FEL	1	36	26S	30E	Eddy
Last Take Point	2336 FSL & 800 FEL	I	25	26S	30E	Eddy
Terminus	2466 FSL & 800 FEL	I	25	26S	30E	Eddy

Proposed Horizontal Gas Units

<u>Description</u>	<u>Acres</u>	<u>Pool</u>	<u>Pool Code</u>
E/2 of Section 36 SE/4 of Section 25	288.40	Purple Sage; Wolfcamp (GAS)	98220

Reference is made to your application received on August 5, 2020.

You have requested to complete this horizontal well as a gas well described above in the referenced pool or formation. This well is governed by special rules for the Purple Sage; Wolfcamp (Gas) Pool of and provides for 320-acre units, with wells located at least 330 feet from a unit outer boundary.

This well's completed interval is as close as 100 feet to the southern edge of the horizontal spacing unit. The encroachment infringes toward the exterior state boundary line, which is not concerning of the correlative rights of all interested parties for this unorthodox location.

The Division understands you have given notice of this application to all operators or owners who are "affected persons," as defined in Paragraph (8) Subsection A of 19.15.2.7 NMAC, in all adjoining units towards which the proposed location encroaches. Public notice is not required as all affected parties are located exterior to the State's jurisdiction.

Administrative Order NSL-8067
Tap Rock Operating, LLC
August 13, 2020
Page 2 of 2

Division understands you are seeking this unorthodox location to optimize well spacing and thereby preventing waste within the Wolfcamp formation underlying the E/2 of irregular Section 36 and the SE/4 of Section 25.

Your application has been filed under 19.15.16.15(C)(6) NMAC, 19.15.15.13 NMAC and 19.15.4.12 (A)(2) NMAC.

Per Subsection B of 19.15.15.13 NMAC, **Division approves this unorthodox location.**

The above approvals are subject to your following all other applicable Division rules.

Jurisdiction of this case is retained for the entry of further orders as Division deems necessary.



ADRIENNE E. SANDOVAL
Division Director

AES/lrl

cc: Oil Conservation Division – Artesia District Office
State Land Office – Oil, Gas, and Mineral Division
Bureau of Land Management – Carlsbad Field Office

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 14226

CONDITIONS OF APPROVAL

Operator:	OGRID:	Action Number:	Action Type:
TAP ROCK OPERATING, LLC Suite 200 Golden, CO80401	372043	14226	C-104C
523 Park Point Drive			

OCD Reviewer	Condition
abustamante	01/07/2021 Request for NMOCD extension of time to file BLM-Approved form 3160-4. File 3160-4 within 10 days to NMOCD after BLM approval.