

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 15-46879	⁵ Pool Name PURPLE SAGE; WOLFCAMP		⁶ Pool Code 98220
⁷ Property Code 327308	⁸ Property Name NAILED IT FED COM		⁹ Well Number 208H

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	562'	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
J	25	26-S	30-E	-	2407'	SOUTH	2013'	EAST	EDDY
¹² Lse Code F	¹³ Producing Method Code F	¹⁴ Gas Connection Date 9/29/2020	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
373554	SALT CREEK MIDSTREAM, LLC 20329 STATE HIGHWAY 249 HOUSTON, TX U.S.A 77070	O
373554	SALT CREEK MIDSTREAM, LLC 20329 STATE HIGHWAY 249 HOUSTON, TX U.S.A 77070	G

IV. Well Completion Data

²¹ Spud Date 5/19/2020	²² Ready Date 9/23/2020	²³ TD 15440'	²⁴ PBTD 15380'	²⁵ Perforations 10959' - 15295'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5"	13.375"	955'	830		
12.25"	9.625"	3705'	1121		
8.75"	7.625"	10596'	795		
6.75"	5.5" / 5"	10243' / 15425'	1347		

V. Well Test Data

³¹ Date New Oil 9/29/2020	³² Gas Delivery Date 9/29/2020	³³ Test Date 10/6/2020	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 0	³⁶ Csg. Pressure 2700
³⁷ Choke Size 36/64	³⁸ Oil 767	³⁹ Water 4405	⁴⁰ Gas 3934		⁴¹ Test Method Flowing
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: 			OIL CONSERVATION DIVISION		
Printed name: Bill Ramsey			Approved by: John Garcia		
Title: Regulatory Analyst			Title: Petroleum Specialist		
E-mail Address: bramsey@taprk.com			Approval Date: 2/23/2021		
Date: 11/16/2020		Phone: 720-360-4028			

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

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811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

X AMENDED REPORT

AS-DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-46879	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP
⁴ Property Code 327308	⁵ Property Name NAILED IT FED COM	
⁷ OGRID No. 372043	⁸ Operator Name TAP ROCK OPERATING, LLC.	⁶ Well Number 208H ⁹ Elevation 3045'

¹⁰Surface Location

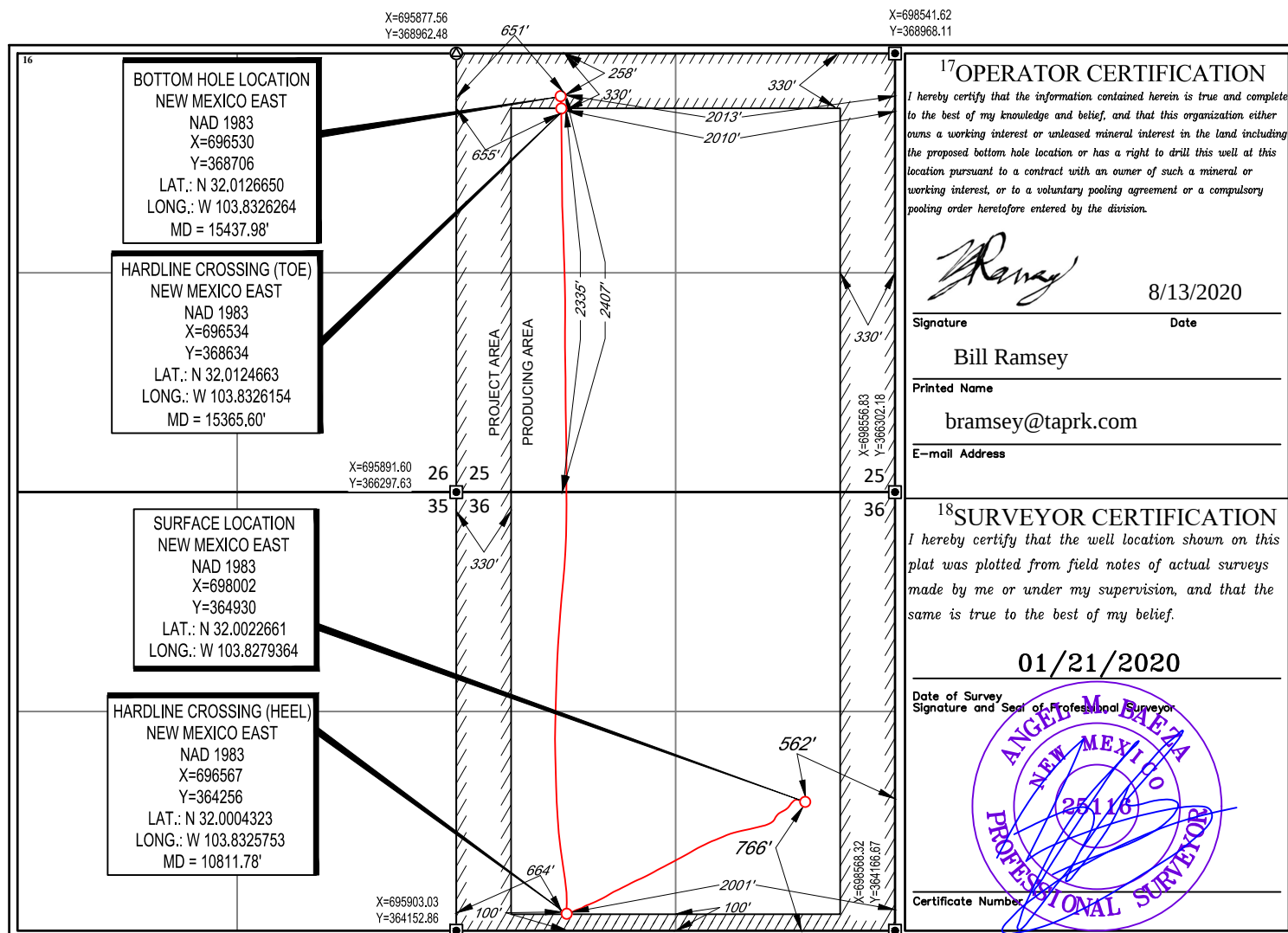
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	36	26-S	30-E	—	766'	SOUTH	562'	EAST	EDDY

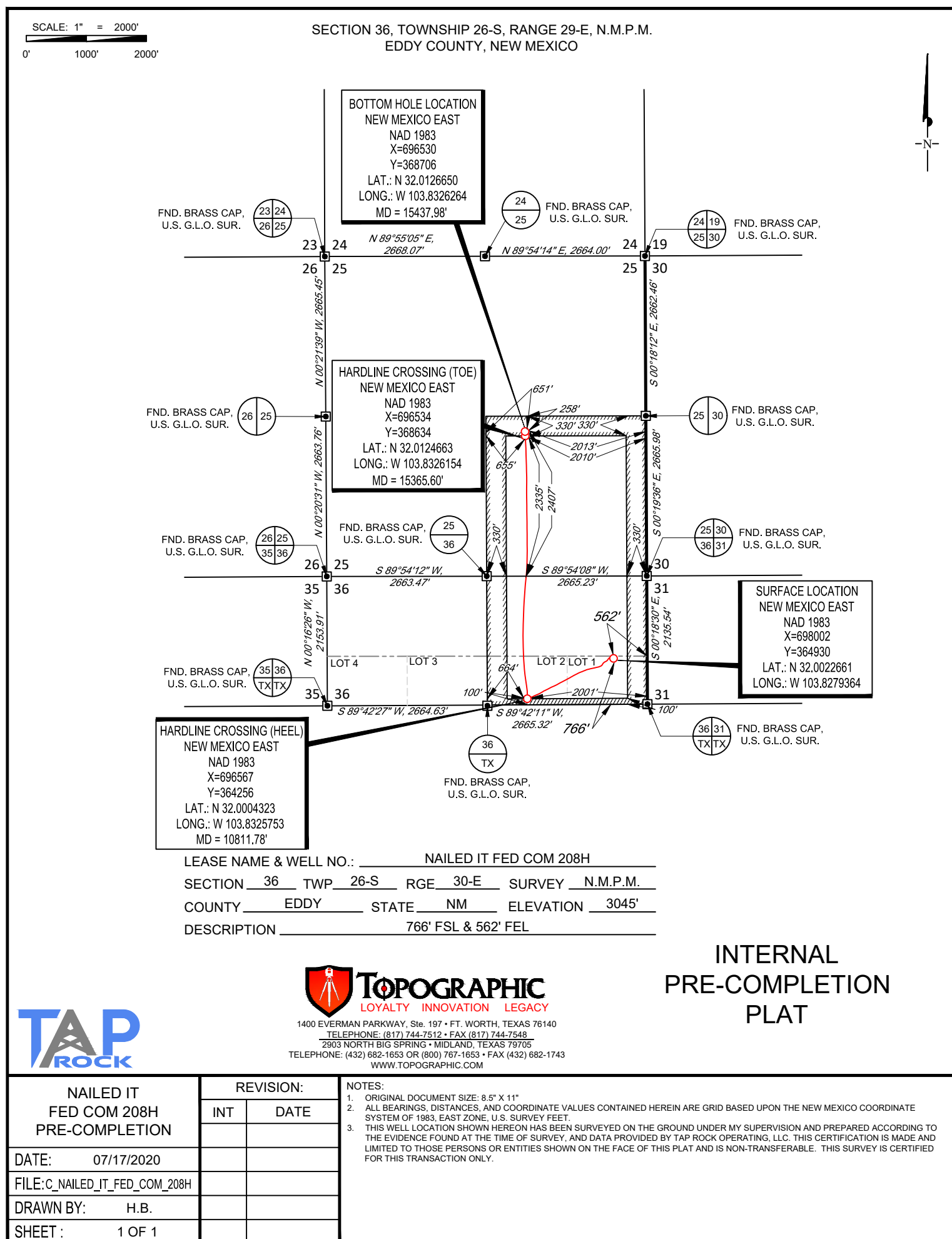
¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	25	26-S	30-E	-	2407'	SOUTH	2013'	EAST	EDDY

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

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 #208H**

OWB

Design: AWB

Standard Survey Report

06 July, 2020





Operator: TapRock Resources, LLC.
Well Name: Nailed It Fed Com #208H
County: Eddy
State: New Mexico
Rig Name: H&P 376
Job Number: 30-015-46879

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: 151' MD – 15,367' MD
Projection to Bit: 15,440' MD
Dates Performed: 5/19/2020 – 7/5/2020
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 #208H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB @ 3070.0usft (H&P 376)
Site:	(Nailed It) Sec-36_T-26-S_R-30-E	MD Reference:	KB @ 3070.0usft (H&P 376)
Well:	Nailed It Fed Com #208H	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 #208H		
Well Position	+N/-S	0.0 usft	Northing: 364,930.00 usft
	+E/-W	0.0 usft	Easting: 698,002.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 0' 8.157 N
		Longitude:	103° 49' 40.566 W
		Ground Level:	3,044.0 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	05/18/20	6.63	59.54	47,600.26739114

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	07/06/20			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
151.0	15,440.0	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	
151.0	0.57	32.82	151.0	0.6	0.4	0.6	0.38	0.38	0.00	
243.0	0.31	201.57	243.0	0.8	0.6	0.8	0.95	-0.28	183.42	
336.0	0.40	120.00	336.0	0.4	0.8	0.4	0.50	0.10	-87.71	
428.0	0.66	168.61	428.0	-0.3	1.1	-0.3	0.54	0.28	52.84	
522.0	1.98	144.26	522.0	-2.1	2.2	-2.2	1.49	1.40	-25.90	
614.0	2.33	145.93	613.9	-5.0	4.2	-5.0	0.39	0.38	1.82	
709.0	2.07	144.52	708.8	-8.0	6.2	-8.0	0.28	-0.27	-1.48	
804.0	2.07	132.22	803.8	-10.5	8.5	-10.6	0.47	0.00	-12.95	
865.3	1.86	136.53	865.0	-12.0	10.0	-12.0	0.42	-0.34	7.04	
Rustler Anhydrite										



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Well:	Nailed It Fed Com #208H	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)
897.0	1.76	139.16	896.7	-12.7	10.7	-12.8	0.42	-0.32	8.28
1,007.0	2.02	182.40	1,006.7	-16.0	11.7	-16.0	1.28	0.24	39.31
1,070.0	1.36	202.71	1,069.6	-17.8	11.4	-17.8	1.40	-1.05	32.24
1,165.0	3.21	306.86	1,164.6	-17.2	8.8	-17.2	3.98	1.95	109.63
1,259.0	5.80	313.71	1,258.3	-12.3	3.3	-12.4	2.81	2.76	7.29
1,354.0	6.33	313.63	1,352.8	-5.4	-4.0	-5.4	0.56	0.56	-0.08
1,416.6	6.57	303.42	1,415.0	-1.0	-9.5	-1.0	1.87	0.38	-16.30
Top Salt									
1,449.0	6.77	298.51	1,447.1	0.9	-12.7	1.0	1.87	0.62	-15.18
1,543.0	7.96	289.72	1,540.4	5.7	-23.7	5.9	1.74	1.27	-9.35
1,638.0	7.56	288.05	1,634.5	9.9	-35.8	10.1	0.48	-0.42	-1.76
1,733.0	7.38	282.42	1,728.7	13.1	-47.7	13.4	0.79	-0.19	-5.93
1,827.0	6.07	254.65	1,822.1	13.1	-58.4	13.4	3.68	-1.39	-29.54
1,922.0	7.38	226.00	1,916.4	7.5	-67.7	7.9	3.74	1.38	-30.16
2,016.0	7.03	226.44	2,009.7	-0.6	-76.2	-0.2	0.38	-0.37	0.47
2,111.0	6.07	216.77	2,104.1	-8.6	-83.4	-8.2	1.54	-1.01	-10.18
2,206.0	5.89	212.29	2,198.6	-16.8	-89.0	-16.3	0.53	-0.19	-4.72
2,300.0	6.81	216.51	2,292.0	-25.3	-94.9	-24.8	1.10	0.98	4.49
2,395.0	6.73	224.42	2,386.3	-33.8	-102.1	-33.3	0.98	-0.08	8.33
2,490.0	6.59	232.06	2,480.7	-41.2	-110.3	-40.6	0.94	-0.15	8.04
2,584.0	6.24	238.39	2,574.1	-47.2	-118.9	-46.5	0.84	-0.37	6.73
2,679.0	5.05	238.48	2,668.6	-52.1	-126.9	-51.4	1.25	-1.25	0.09
2,773.0	5.32	243.14	2,762.2	-56.2	-134.3	-55.4	0.53	0.29	4.96
2,868.0	5.93	243.23	2,856.8	-60.4	-142.6	-59.6	0.64	0.64	0.09
2,963.0	5.80	241.20	2,951.3	-64.9	-151.2	-64.1	0.26	-0.14	-2.14
3,057.0	6.02	229.16	3,044.8	-70.4	-159.1	-69.5	1.34	0.23	-12.81
3,152.0	6.86	223.45	3,139.2	-77.8	-166.8	-76.9	1.11	0.88	-6.01
3,246.0	5.98	215.63	3,232.6	-85.9	-173.5	-84.9	1.32	-0.94	-8.32
3,341.0	6.37	207.54	3,327.1	-94.6	-178.8	-93.6	1.00	0.41	-8.52
3,435.0	8.00	208.95	3,420.3	-104.9	-184.4	-103.9	1.74	1.73	1.50
3,475.1	8.11	215.63	3,460.0	-109.6	-187.4	-108.6	2.35	0.29	16.67
Base Salt									
3,530.0	8.44	224.33	3,514.4	-115.7	-192.5	-114.6	2.35	0.59	15.84
3,625.0	8.53	239.97	3,608.3	-124.2	-203.4	-123.1	2.42	0.09	16.46
3,667.0	8.35	242.96	3,649.9	-127.1	-208.8	-126.0	1.13	-0.43	7.12
3,677.2	8.20	242.90	3,660.0	-127.8	-210.2	-126.6	1.48	-1.48	-0.55
Delaware Mountain Gp									
3,682.3	8.12	242.87	3,665.0	-128.1	-210.8	-127.0	1.48	-1.48	-0.57
Lamar									
3,702.5	7.83	242.75	3,685.0	-129.4	-213.3	-128.2	1.48	-1.48	-0.59
Bell Canyon									
3,738.0	7.30	242.52	3,720.2	-131.6	-217.4	-130.3	1.48	-1.48	-0.66
3,742.8	7.34	242.83	3,725.0	-131.8	-218.0	-130.6	1.14	0.80	6.39
Ramsey Sand									



Intrepid Survey Report



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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)
3,801.0	7.82	246.30	3,782.7	-135.1	-224.9	-133.9	1.14	0.83	5.97
3,896.0	11.78	253.60	3,876.3	-140.5	-240.1	-139.1	4.36	4.17	7.68
3,990.0	14.59	255.62	3,967.8	-146.1	-260.8	-144.7	3.03	2.99	2.15
4,085.0	15.12	256.58	4,059.6	-152.0	-284.5	-150.4	0.62	0.56	1.01
4,179.0	15.30	257.20	4,150.3	-157.6	-308.5	-155.8	0.26	0.19	0.66
4,274.0	15.12	257.38	4,242.0	-163.0	-332.8	-161.2	0.20	-0.19	0.19
4,369.0	15.08	257.64	4,333.7	-168.4	-357.0	-166.4	0.08	-0.04	0.27
4,464.0	15.03	258.43	4,425.4	-173.5	-381.1	-171.4	0.22	-0.05	0.83
4,558.0	14.73	255.97	4,516.3	-178.9	-404.6	-176.6	0.74	-0.32	-2.62
4,653.0	14.33	253.86	4,608.2	-185.1	-427.6	-182.7	0.70	-0.42	-2.22
4,747.0	14.46	251.75	4,699.3	-192.0	-450.0	-189.4	0.57	0.14	-2.24
4,842.0	14.86	247.00	4,791.2	-200.4	-472.4	-197.8	1.33	0.42	-5.00
4,928.7	14.94	247.57	4,875.0	-209.0	-493.0	-206.3	0.19	0.10	0.66
Cherry Canyon									
4,936.0	14.95	247.62	4,882.0	-209.8	-494.7	-207.0	0.19	0.10	0.66
5,031.0	14.73	247.71	4,973.9	-219.0	-517.3	-216.1	0.23	-0.23	0.09
5,126.0	14.51	248.41	5,065.8	-228.0	-539.5	-225.0	0.30	-0.23	0.74
5,220.0	14.46	246.74	5,156.8	-236.9	-561.2	-233.8	0.45	-0.05	-1.78
5,315.0	15.08	244.63	5,248.7	-246.9	-583.3	-243.7	0.86	0.65	-2.22
5,409.0	14.29	243.84	5,339.6	-257.3	-604.8	-253.9	0.87	-0.84	-0.84
5,504.0	13.63	244.19	5,431.8	-267.3	-625.4	-263.8	0.70	-0.69	0.37
5,599.0	14.07	241.38	5,524.0	-277.7	-645.6	-274.1	0.85	0.46	-2.96
5,694.0	15.16	239.89	5,616.0	-289.5	-666.4	-285.8	1.21	1.15	-1.57
5,788.0	14.55	240.32	5,706.8	-301.5	-687.3	-297.6	0.66	-0.65	0.46
5,883.0	13.89	240.68	5,798.9	-313.0	-707.6	-309.0	0.70	-0.69	0.38
5,915.0	13.74	240.88	5,830.0	-316.7	-714.3	-312.7	0.49	-0.46	0.63
Brushy Canyon									
5,978.0	13.45	241.29	5,891.2	-323.9	-727.3	-319.8	0.49	-0.46	0.65
6,072.0	14.55	241.56	5,982.4	-334.8	-747.3	-330.6	1.17	1.17	0.29
6,167.0	15.08	241.99	6,074.3	-346.2	-768.7	-341.9	0.57	0.56	0.45
6,262.0	13.71	241.29	6,166.3	-357.5	-789.4	-353.0	1.45	-1.44	-0.74
6,356.0	13.05	242.08	6,257.7	-367.8	-808.6	-363.2	0.73	-0.70	0.84
6,451.0	14.73	242.52	6,349.9	-378.4	-828.8	-373.7	1.77	1.77	0.46
6,546.0	13.54	243.66	6,442.1	-388.9	-849.5	-384.1	1.29	-1.25	1.20
6,640.0	13.85	241.99	6,533.4	-399.0	-869.3	-394.2	0.53	0.33	-1.78
6,735.0	14.64	240.24	6,625.5	-410.3	-889.7	-405.4	0.95	0.83	-1.84
6,830.0	13.98	240.94	6,717.5	-421.9	-910.2	-416.8	0.72	-0.69	0.74
6,925.0	13.36	241.64	6,809.8	-432.7	-929.9	-427.5	0.68	-0.65	0.74
7,019.0	12.92	243.40	6,901.4	-442.5	-948.8	-437.2	0.63	-0.47	1.87
7,114.0	12.35	244.63	6,994.1	-451.6	-967.5	-446.2	0.66	-0.60	1.29
7,209.0	13.23	245.60	7,086.7	-460.5	-986.6	-455.0	0.95	0.93	1.02
7,303.0	13.10	247.44	7,178.2	-469.0	-1,006.2	-463.4	0.47	-0.14	1.96
7,398.0	13.93	243.14	7,270.6	-478.3	-1,026.3	-472.6	1.37	0.87	-4.53
7,493.0	13.67	242.52	7,362.9	-488.7	-1,046.5	-482.8	0.31	-0.27	-0.65



Intrepid Survey Report



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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)
7,587.0	12.22	242.52	7,454.5	-498.4	-1,065.2	-492.4	1.54	-1.54	0.00
7,682.0	12.79	243.23	7,547.2	-507.7	-1,083.5	-501.7	0.62	0.60	0.75
7,715.6	13.09	243.36	7,580.0	-511.1	-1,090.2	-505.0	0.89	0.88	0.38
Bone Spring Lime									
7,777.0	13.63	243.58	7,639.7	-517.5	-1,102.9	-511.3	0.89	0.88	0.36
7,833.7	12.12	243.92	7,695.0	-523.1	-1,114.2	-516.8	2.67	-2.67	0.60
Upper Avalon									
7,871.0	11.12	244.19	7,731.5	-526.3	-1,121.0	-520.1	2.67	-2.67	0.73
7,966.0	10.81	245.25	7,824.8	-534.1	-1,137.3	-527.7	0.39	-0.33	1.12
8,060.0	10.29	242.87	7,917.2	-541.6	-1,152.8	-535.1	0.72	-0.55	-2.53
8,155.0	10.29	238.30	8,010.7	-549.9	-1,167.6	-543.4	0.86	0.00	-4.81
8,230.6	10.77	236.54	8,085.0	-557.3	-1,179.2	-550.8	0.77	0.64	-2.33
Middle Avalon									
8,250.0	10.90	236.11	8,104.1	-559.4	-1,182.3	-552.8	0.77	0.65	-2.20
8,344.0	11.16	241.56	8,196.3	-568.7	-1,197.6	-562.0	1.14	0.28	5.80
8,439.0	11.47	243.05	8,289.5	-577.3	-1,214.1	-570.5	0.45	0.33	1.57
8,454.8	11.40	243.05	8,305.0	-578.7	-1,216.9	-571.9	0.41	-0.41	0.00
Lower Avalon									
8,534.0	11.08	243.05	8,382.6	-585.7	-1,230.7	-578.9	0.41	-0.41	0.00
8,628.0	8.66	244.28	8,475.2	-592.9	-1,245.1	-585.9	2.58	-2.57	1.31
8,678.4	9.01	244.81	8,525.0	-596.2	-1,252.1	-589.2	0.71	0.69	1.06
1st Bone Spring Sand									
8,723.0	9.32	245.25	8,569.1	-599.2	-1,258.6	-592.2	0.71	0.70	0.98
8,817.0	9.85	247.09	8,661.8	-605.5	-1,272.9	-598.4	0.65	0.56	1.96
8,911.0	9.45	247.00	8,754.4	-611.7	-1,287.4	-604.5	0.43	-0.43	-0.10
9,006.0	8.31	247.88	8,848.3	-617.3	-1,300.9	-610.0	1.21	-1.20	0.93
9,033.0	8.03	248.02	8,875.0	-618.8	-1,304.5	-611.5	1.02	-1.02	0.51
2nd Bone Spring Carb									
9,101.0	7.34	248.41	8,942.4	-622.1	-1,312.9	-614.8	1.02	-1.02	0.58
9,195.0	7.16	241.91	9,035.7	-627.1	-1,323.7	-619.7	0.89	-0.19	-6.91
9,290.0	7.03	237.95	9,129.9	-633.0	-1,333.8	-625.5	0.53	-0.14	-4.17
9,320.3	6.80	240.86	9,160.0	-634.8	-1,337.0	-627.4	1.39	-0.77	9.60
2nd Bone Spring Sand									
9,384.0	6.37	247.62	9,223.3	-638.0	-1,343.5	-630.5	1.39	-0.67	10.61
9,479.0	6.15	250.26	9,317.7	-641.7	-1,353.2	-634.2	0.38	-0.23	2.78
9,574.0	5.98	249.38	9,412.2	-645.2	-1,362.6	-637.6	0.20	-0.18	-0.93
9,669.0	5.71	249.38	9,506.7	-648.6	-1,371.7	-640.9	0.28	-0.28	0.00
9,764.0	5.54	247.09	9,601.2	-652.1	-1,380.3	-644.3	0.30	-0.18	-2.41
9,859.0	4.88	243.23	9,695.8	-655.7	-1,388.1	-647.9	0.79	-0.69	-4.06
9,918.3	4.34	239.52	9,755.0	-657.9	-1,392.3	-650.2	1.03	-0.90	-6.26
3rd Bone Spring Carb									
9,953.0	4.04	236.90	9,789.6	-659.3	-1,394.5	-651.5	1.03	-0.88	-7.55
10,048.0	4.75	242.87	9,884.3	-662.9	-1,400.8	-655.1	0.89	0.75	6.28
10,142.0	4.70	240.24	9,978.0	-666.6	-1,407.6	-658.7	0.24	-0.05	-2.80



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Nailed It Fed Com #208H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB @ 3070.0usft (H&P 376)
Site:	(Nailed It) Sec-36_T-26-S_R-30-E	MD Reference:	KB @ 3070.0usft (H&P 376)
Well:	Nailed It Fed Com #208H	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)
10,237.0	3.91	238.04	10,072.7	-670.2	-1,413.7	-662.3	0.85	-0.83	-2.32
10,332.0	3.16	241.91	10,167.5	-673.2	-1,418.8	-665.2	0.83	-0.79	4.07
10,426.0	2.81	235.05	10,261.4	-675.7	-1,423.0	-667.8	0.53	-0.37	-7.30
10,521.0	2.29	229.51	10,356.3	-678.3	-1,426.3	-670.3	0.61	-0.55	-5.83
10,548.0	2.11	240.94	10,383.3	-678.9	-1,427.2	-670.9	1.75	-0.67	42.33
10,589.8	2.28	238.09	10,425.0	-679.7	-1,428.5	-671.7	0.49	0.41	-6.83
3rd Bone Spring Sand									
10,623.0	2.42	236.11	10,458.2	-680.4	-1,429.7	-672.4	0.49	0.42	-5.95
10,717.0	1.63	244.28	10,552.2	-682.1	-1,432.5	-674.1	0.89	-0.84	8.69
10,812.0	10.86	352.74	10,646.6	-673.8	-1,434.9	-665.8	12.08	9.72	114.17
10,893.4	19.90	1.03	10,725.0	-652.3	-1,435.6	-644.3	11.40	11.11	10.19
3rd BS W Sand									
10,906.0	21.32	1.70	10,736.8	-647.9	-1,435.5	-639.8	11.40	11.25	5.28
10,993.2	31.07	2.78	10,815.0	-609.4	-1,433.9	-601.4	11.18	11.17	1.24
Wolfcamp A X Sand									
11,000.0	31.82	2.84	10,820.8	-605.9	-1,433.8	-597.9	11.18	11.17	0.86
11,094.0	49.23	355.02	10,892.0	-545.2	-1,435.6	-537.2	19.26	18.52	-8.32
11,114.9	53.63	354.24	10,905.0	-528.9	-1,437.2	-520.9	21.26	21.06	-3.73
Wolfcamp A Y Sand									
11,189.0	69.27	352.03	10,940.3	-464.5	-1,445.0	-456.4	21.26	21.10	-2.98
11,211.1	72.67	351.97	10,947.5	-443.8	-1,447.9	-435.7	15.40	15.39	-0.29
FTP @ 11211.1'MD, 330'FSL & 2012.5'FEL									
11,283.0	83.74	351.77	10,962.2	-374.3	-1,457.9	-366.1	15.40	15.39	-0.27
11,378.0	90.07	352.12	10,967.3	-280.4	-1,471.1	-272.2	6.67	6.66	0.37
11,472.0	93.14	354.67	10,964.7	-187.1	-1,482.0	-178.8	4.24	3.27	2.71
11,566.0	92.04	356.52	10,960.4	-93.4	-1,489.2	-85.1	2.29	-1.17	1.97
11,661.0	91.03	357.04	10,957.9	1.4	-1,494.5	9.7	1.20	-1.06	0.55
11,755.0	91.65	358.01	10,955.7	95.3	-1,498.6	103.6	1.22	0.66	1.03
11,850.0	91.52	359.07	10,953.1	190.2	-1,501.0	198.6	1.12	-0.14	1.12
11,944.0	89.14	358.01	10,952.5	284.1	-1,503.4	292.5	2.77	-2.53	-1.13
12,039.0	91.47	0.38	10,952.0	379.1	-1,504.7	387.5	3.50	2.45	2.49
12,133.0	91.08	1.00	10,949.9	473.1	-1,503.6	481.5	0.78	-0.41	0.66
12,228.0	91.87	2.14	10,947.5	568.0	-1,501.0	576.4	1.46	0.83	1.20
12,322.0	91.74	1.70	10,944.5	661.9	-1,497.8	670.3	0.49	-0.14	-0.47
12,417.0	89.58	1.88	10,943.4	756.9	-1,494.9	765.2	2.28	-2.27	0.19
12,511.0	89.58	2.14	10,944.1	850.8	-1,491.6	859.1	0.28	0.00	0.28
12,606.0	91.30	3.72	10,943.4	945.7	-1,486.7	954.0	2.46	1.81	1.66
12,700.0	90.15	4.16	10,942.2	1,039.4	-1,480.2	1,047.7	1.31	-1.22	0.47
12,794.0	88.48	4.25	10,943.3	1,133.2	-1,473.4	1,141.4	1.78	-1.78	0.10
12,887.0	89.67	4.95	10,944.8	1,225.9	-1,465.9	1,234.0	1.48	1.28	0.75
12,982.0	91.74	6.10	10,943.7	1,320.4	-1,456.8	1,328.5	2.49	2.18	1.21
13,076.0	90.24	4.16	10,942.0	1,414.0	-1,448.4	1,422.1	2.61	-1.60	-2.06
13,171.0	88.57	3.02	10,943.0	1,508.8	-1,442.4	1,516.8	2.13	-1.76	-1.20
13,265.0	87.25	1.70	10,946.4	1,602.7	-1,438.5	1,610.7	1.99	-1.40	-1.40



Intrepid Survey Report



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Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB @ 3070.0usft (H&P 376)
Site:	(Nailed It) Sec-36_T-26-S_R-30-E	MD Reference:	KB @ 3070.0usft (H&P 376)
Well:	Nailed It Fed Com #208H	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)
13,360.0	85.27	1.09	10,952.6	1,697.4	-1,436.2	1,705.4	2.18	-2.08	-0.64
13,454.0	88.66	359.42	10,957.6	1,791.3	-1,435.8	1,799.3	4.02	3.61	-1.78
13,549.0	91.69	0.03	10,957.3	1,886.3	-1,436.3	1,894.3	3.25	3.19	0.64
13,643.0	90.11	0.47	10,955.9	1,980.3	-1,435.9	1,988.2	1.74	-1.68	0.47
13,738.0	88.09	359.15	10,957.3	2,075.2	-1,436.2	2,083.2	2.54	-2.13	-1.39
13,832.0	88.53	359.15	10,960.1	2,169.2	-1,437.6	2,177.2	0.47	0.47	0.00
13,926.0	88.26	358.89	10,962.7	2,263.1	-1,439.2	2,271.1	0.40	-0.29	-0.28
14,021.0	90.51	359.24	10,963.8	2,358.1	-1,440.7	2,366.1	2.40	2.37	0.37
14,115.0	92.53	359.94	10,961.3	2,452.1	-1,441.4	2,460.1	2.27	2.15	0.74
14,210.0	89.01	359.77	10,960.0	2,547.0	-1,441.6	2,555.1	3.71	-3.71	-0.18
14,304.0	88.18	358.63	10,962.3	2,641.0	-1,442.9	2,649.0	1.50	-0.88	-1.21
14,399.0	89.89	359.07	10,963.9	2,736.0	-1,444.9	2,744.0	1.86	1.80	0.46
14,493.0	90.64	0.56	10,963.5	2,830.0	-1,445.2	2,838.0	1.77	0.80	1.59
14,587.0	91.43	0.82	10,961.8	2,923.9	-1,444.0	2,932.0	0.88	0.84	0.28
14,682.0	89.67	359.15	10,960.9	3,018.9	-1,444.1	3,026.9	2.55	-1.85	-1.76
14,777.0	87.56	358.54	10,963.2	3,113.9	-1,446.0	3,121.9	2.31	-2.22	-0.64
14,871.0	87.52	358.27	10,967.2	3,207.7	-1,448.6	3,215.8	0.29	-0.04	-0.29
14,965.0	87.74	357.92	10,971.1	3,301.6	-1,451.7	3,309.7	0.44	0.23	-0.37
15,060.0	89.89	359.07	10,973.0	3,396.6	-1,454.2	3,404.6	2.57	2.26	1.21
15,155.0	88.00	357.57	10,974.8	3,491.5	-1,457.0	3,499.6	2.54	-1.99	-1.58
15,249.0	89.49	356.87	10,976.8	3,585.4	-1,461.5	3,593.5	1.75	1.59	-0.74
15,344.0	90.64	357.22	10,976.7	3,680.2	-1,466.4	3,688.4	1.27	1.21	0.37
15,367.0	90.20	357.04	10,976.6	3,703.2	-1,467.6	3,711.3	2.07	-1.91	-0.78
LAST SVY									
15,367.7	90.20	357.04	10,976.6	3,703.9	-1,467.6	3,712.0	0.00	0.00	0.00
LTP @ 15367.7'MD, 330'FNL & 2009.1'FEL									
15,440.0	90.20	357.04	10,976.3	3,776.1	-1,471.4	3,784.3	0.00	0.00	0.00
Projection to TD @ 15440'MD, 257.8'FNL & 2012.4'FEL									

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTP (Nailed It Fed Co - hit/miss target - Shape - actual wellpath misses target center by 11.2usft at 11213.0usft MD (10948.1 TVD, -442.1 N, -1448.2 E) - Point	0.00	0.00	10,950.0	-444.0	-1,459.0	364,486.00	696,543.00	32° 0' 3.831 N	103° 49' 57.533 W
LTP (Nailed It Fed Co - actual wellpath misses target center by 21.2usft at 15367.7usft MD (10976.6 TVD, 3703.9 N, -1467.6 E) - Point	0.00	0.00	10,961.0	3,704.0	-1,482.0	368,634.00	696,520.00	32° 0' 44.881 N	103° 49' 57.577 W
PBHL (Nailed It Fed C - actual wellpath misses target center by 61.0usft at 15440.0usft MD (10976.3 TVD, 3776.1 N, -1471.4 E) - Rectangle (sides W100.0 H4,275.0 D40.0)	0.20	359.68	10,961.0	3,834.0	-1,483.0	368,764.00	696,519.00	32° 0' 46.167 N	103° 49' 57.582 W



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Nailed It Fed Com #208H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB @ 3070.0usft (H&P 376)
Site:	(Nailed It) Sec-36_T-26-S_R-30-E	MD Reference:	KB @ 3070.0usft (H&P 376)
Well:	Nailed It Fed Com #208H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
865.3	865.0	Rustler Anhydrite			
1,416.6	1,415.0	Top Salt			
3,475.1	3,460.0	Base Salt			
3,677.2	3,660.0	Delaware Mountain Gp			
3,682.3	3,665.0	Lamar			
3,702.5	3,685.0	Bell Canyon			
3,742.8	3,725.0	Ramsey Sand			
4,928.7	4,875.0	Cherry Canyon			
5,915.0	5,830.0	Brushy Canyon			
7,715.6	7,580.0	Bone Spring Lime			
7,833.7	7,695.0	Upper Avalon			
8,230.6	8,085.0	Middle Avalon			
8,454.8	8,305.0	Lower Avalon			
8,678.4	8,525.0	1st Bone Spring Sand			
9,033.0	8,875.0	2nd Bone Spring Carb			
9,320.3	9,160.0	2nd Bone Spring Sand			
9,918.3	9,755.0	3rd Bone Spring Carb			
10,589.8	10,425.0	3rd Bone Spring Sand			
10,893.4	10,725.0	3rd BS W Sand			
10,993.2	10,815.0	Wolfcamp A X Sand			
11,114.9	10,905.0	Wolfcamp A Y Sand			

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
11,211.1	10,947.5	-443.8	-1,447.9	FTP @ 11211.1'MD, 330'FSL & 2012.5'FEL
15,367.0	10,976.6	3,703.2	-1,467.6	LAST SVY
15,367.7	10,976.6	3,703.9	-1,467.6	LTP @ 15367.7'MD, 330'FNL & 2009.1'FEL
15,440.0	10,976.3	3,776.1	-1,471.4	Projection to TD @ 15440'MD, 257.8'FNL & 2012.4'FEL

Checked By: _____ Approved By: _____ Date: _____

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos 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 18580

CONDITIONS OF APPROVAL

Operator:	OGRID:	Action Number:	Action Type:
TAP ROCK OPERATING, LLC Suite 200 Golden, CO80401	372043	18580	C-104C
523 Park Point Drive			
OCD Reviewer	Condition		
jagarcia	None		