

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 30-015-46859	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP
⁴ Property Code 327308	⁵ Property Name NAILED IT FED COM	⁶ Well Number 204H
⁷ OGRID No. 372043	⁸ Operator Name TAP ROCK OPERATING, LLC.	⁹ Elevation 3046'

¹⁰Surface Location

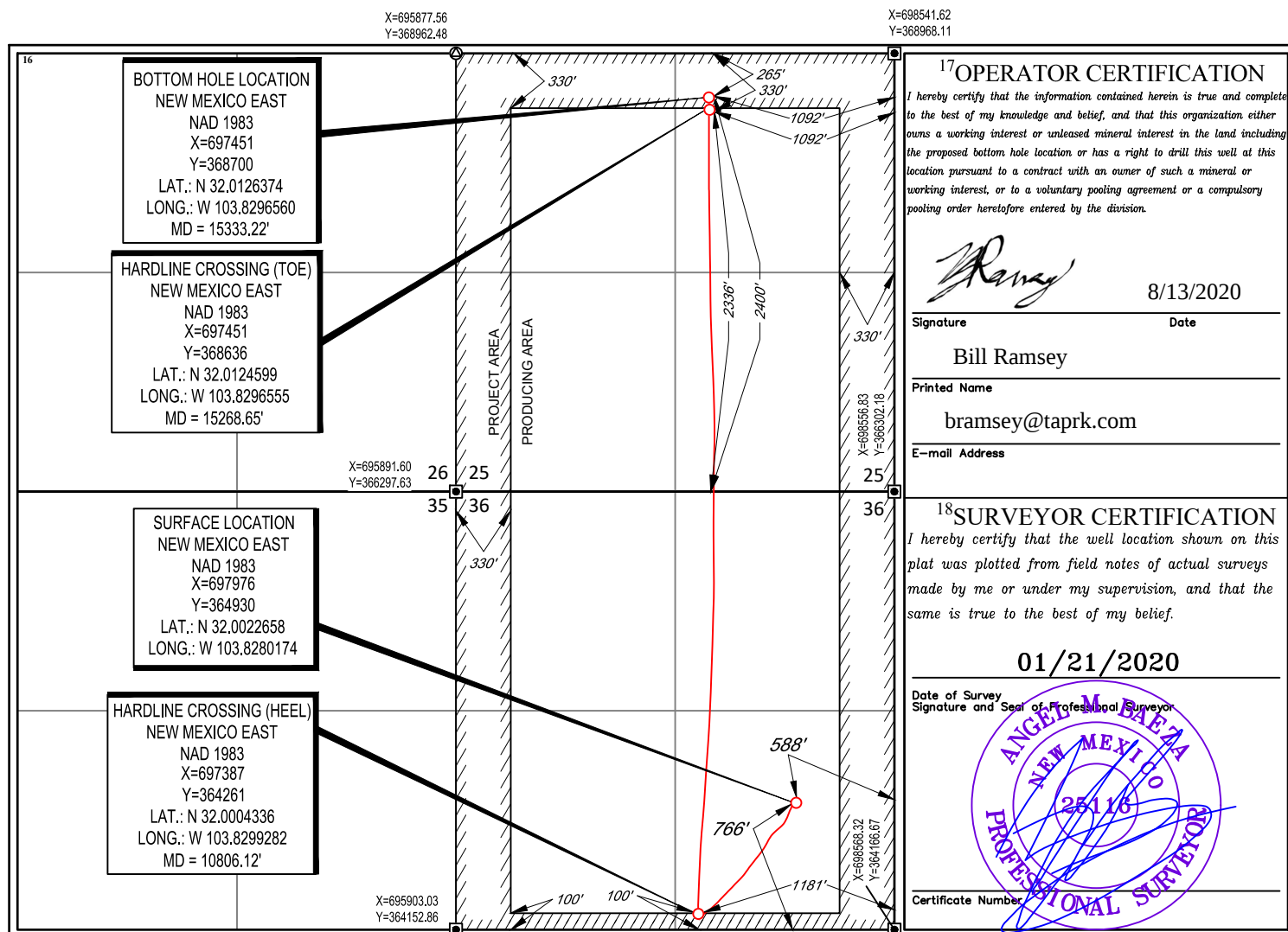
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	36	26-S	30-E	-	766'	SOUTH	588'	EAST	EDDY

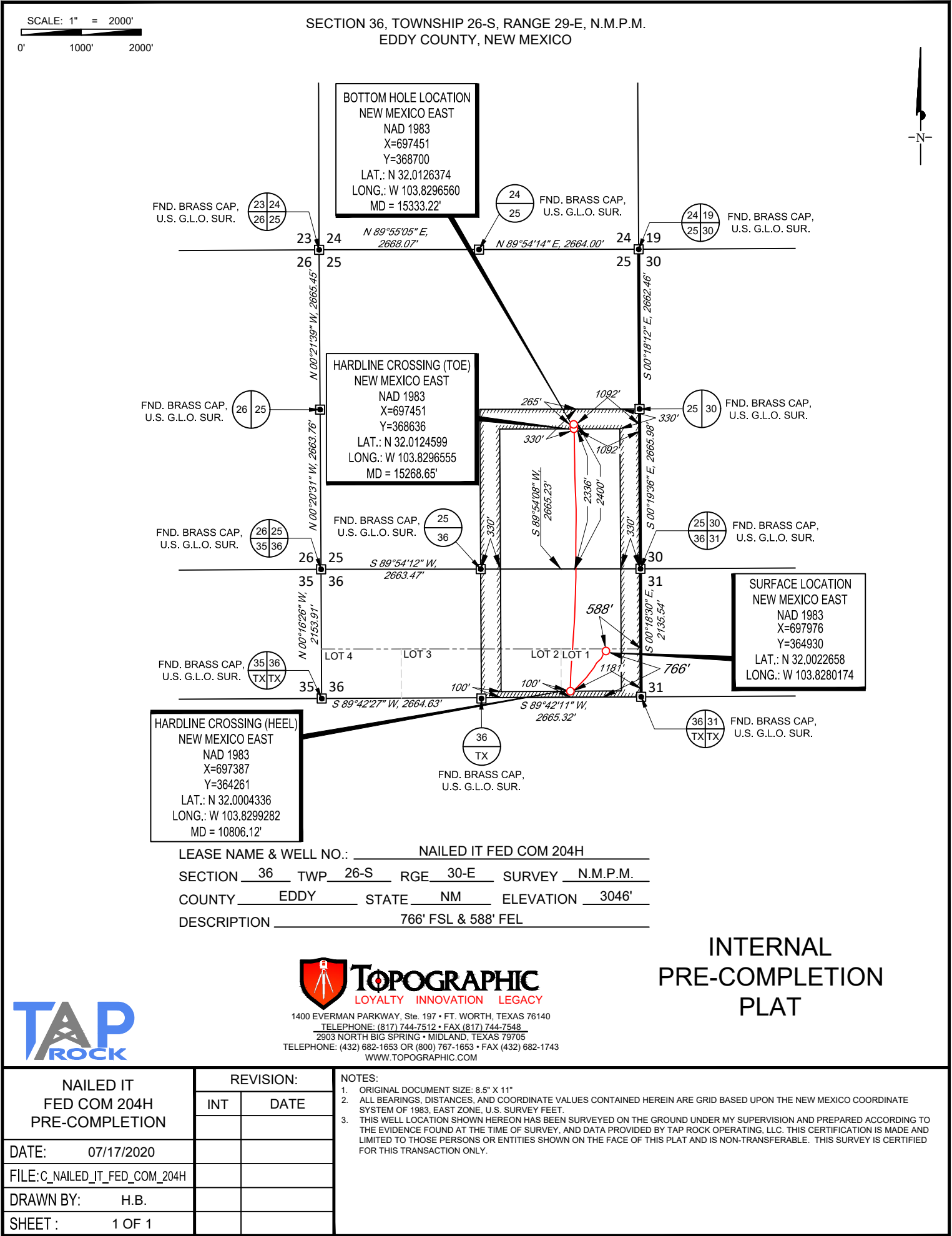
¹¹Bottom Hole Location If Different From Surface

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	-	2400'	SOUTH	1092'	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.







Tap Rock Resources, LLC

**Eddy County, NM (NAD 83 NME)
(Nailed It) Sec-36_T-26-S_R-30-E
Nailed It Fed Com #204H**

OWB

Design: AWB

Standard Survey Report

13 July, 2020





Operator: TapRock Resources, LLC.
Well Name: Nailed It Fed Com #204H
County: Eddy
State: New Mexico
Rig Name: H&P 376
Job Number: 30-015-46859

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: 183' MD – 15,263' MD
Projection to Bit: 15,335' MD
Dates Performed: 05/20/2020 – 07/11/2020
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 Nailed It Fed Com #204H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB @ 3072.0usft (H&P 376)
Site:	(Nailed It) Sec-36_T-26-S_R-30-E	MD Reference:	KB @ 3072.0usft (H&P 376)
Well:	Nailed It 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	(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 #204H		
Well Position	+N/-S	0.0 usft	Northing: 364,930.00 usft
	+E/-W	0.0 usft	Easting: 697,977.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 0' 8.159 N
		Longitude:	103° 49' 40.856 W
		Ground Level:	3,046.0 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	05/18/20	6.63	59.54	47,600.26569764

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	07/13/20			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
183.0	15,335.0	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	
183.0	0.79	301.67	183.0	0.7	-1.1	0.7	0.43	0.43	0.00	
245.0	1.32	21.83	245.0	1.5	-1.2	1.6	2.29	0.85	129.29	
337.0	0.75	318.64	337.0	3.0	-1.2	3.0	1.29	-0.62	-68.68	
430.0	0.31	226.26	430.0	3.3	-1.8	3.3	0.89	-0.47	-99.33	
522.0	0.35	196.99	522.0	2.8	-2.0	2.8	0.19	0.04	-31.82	
614.0	0.13	305.54	614.0	2.6	-2.2	2.6	0.45	-0.24	117.99	
709.0	0.40	288.84	709.0	2.8	-2.6	2.8	0.29	0.28	-17.58	
804.0	0.70	215.10	804.0	2.4	-3.2	2.4	0.74	0.32	-77.62	
861.0	1.06	230.88	861.0	1.8	-3.8	1.8	0.76	0.64	27.67	
Rustler Anhydrite										

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Well:	Nailed It 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)
885.0	1.23	234.61	885.0	1.5	-4.2	1.5	0.76	0.69	15.56
971.0	1.85	234.26	970.9	0.2	-6.1	0.2	0.72	0.72	-0.41
1,064.0	4.35	229.16	1,063.8	-3.0	-10.0	-3.0	2.70	2.69	-5.48
1,159.0	6.81	247.71	1,158.3	-7.5	-17.9	-7.4	3.18	2.59	19.53
1,253.0	2.86	265.37	1,252.0	-9.8	-25.4	-9.7	4.44	-4.20	18.79
1,348.0	1.19	205.52	1,346.9	-10.9	-28.2	-10.7	2.62	-1.76	-63.00
1,414.1	1.23	171.89	1,413.0	-12.2	-28.4	-12.1	1.06	0.06	-50.89
Top Salt									
1,442.0	1.36	160.08	1,440.9	-12.8	-28.3	-12.7	1.06	0.47	-42.31
1,537.0	1.41	178.45	1,535.9	-15.1	-27.8	-14.9	0.47	0.05	19.34
1,632.0	1.23	151.99	1,630.9	-17.1	-27.3	-17.0	0.66	-0.19	-27.85
1,727.0	2.15	181.09	1,725.8	-19.8	-26.9	-19.7	1.30	0.97	30.63
1,821.0	4.57	199.28	1,819.6	-25.1	-28.2	-24.9	2.78	2.57	19.35
1,916.0	8.26	204.47	1,914.0	-34.9	-32.2	-34.7	3.93	3.88	5.46
2,011.0	9.49	205.61	2,007.9	-48.2	-38.5	-47.9	1.31	1.29	1.20
2,105.0	8.13	200.33	2,100.8	-61.4	-44.1	-61.1	1.68	-1.45	-5.62
2,200.0	7.87	199.72	2,194.9	-73.8	-48.6	-73.5	0.29	-0.27	-0.64
2,294.0	9.05	204.20	2,287.8	-86.6	-53.8	-86.3	1.44	1.26	4.77
2,389.0	9.93	207.89	2,381.5	-100.7	-60.7	-100.3	1.13	0.93	3.88
2,484.0	8.97	209.83	2,475.2	-114.3	-68.3	-113.9	1.06	-1.01	2.04
2,578.0	8.09	216.15	2,568.2	-126.0	-75.8	-125.6	1.37	-0.94	6.72
2,673.0	8.97	225.74	2,662.2	-136.6	-85.0	-136.1	1.76	0.93	10.09
2,767.0	9.32	228.55	2,755.0	-146.7	-96.0	-146.2	0.60	0.37	2.99
2,862.0	9.41	229.95	2,848.7	-156.8	-107.7	-156.2	0.26	0.09	1.47
2,957.0	10.37	228.55	2,942.3	-167.5	-120.1	-166.8	1.04	1.01	-1.47
3,051.0	9.36	225.74	3,034.9	-178.4	-131.9	-177.7	1.19	-1.07	-2.99
3,146.0	8.26	221.87	3,128.8	-188.9	-142.0	-188.1	1.31	-1.16	-4.07
3,241.0	8.53	217.74	3,222.8	-199.6	-150.8	-198.7	0.70	0.28	-4.35
3,335.0	9.05	212.64	3,315.7	-211.3	-159.1	-210.4	1.00	0.55	-5.43
3,430.0	9.76	208.16	3,409.4	-224.7	-166.9	-223.8	1.07	0.75	-4.72
3,473.3	10.02	208.49	3,452.0	-231.2	-170.4	-230.3	0.62	0.61	0.77
Base Salt									
3,524.0	10.33	208.86	3,501.9	-239.1	-174.7	-238.1	0.62	0.61	0.73
3,619.0	9.05	207.81	3,595.6	-253.2	-182.3	-252.1	1.36	-1.35	-1.11
3,663.0	8.18	209.91	3,639.1	-258.9	-185.5	-257.9	2.10	-1.98	4.77
3,681.1	8.18	210.33	3,657.0	-261.2	-186.8	-260.1	0.33	-0.01	2.35
Delaware Mountain Gp									
3,688.2	8.18	210.50	3,664.0	-262.0	-187.3	-261.0	0.33	-0.01	2.35
Lamar									
3,707.4	8.18	210.95	3,683.0	-264.4	-188.7	-263.3	0.33	0.00	2.35
Bell Canyon									
3,719.5	8.18	211.24	3,695.0	-265.9	-189.6	-264.8	0.33	0.00	2.35
Ramsey Sand									
3,798.0	8.18	213.08	3,772.7	-275.3	-195.6	-274.2	0.33	0.00	2.35

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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)
3,892.0	9.71	216.51	3,865.6	-287.3	-203.9	-286.1	1.72	1.63	3.65
3,987.0	10.86	217.65	3,959.0	-300.8	-214.2	-299.6	1.23	1.21	1.20
4,082.0	10.59	216.24	4,052.4	-314.9	-224.8	-313.7	0.40	-0.28	-1.48
4,176.0	10.64	218.88	4,144.8	-328.7	-235.3	-327.3	0.52	0.05	2.81
4,271.0	10.07	217.30	4,238.2	-342.1	-245.9	-340.7	0.67	-0.60	-1.66
4,366.0	9.93	219.41	4,331.8	-355.0	-256.1	-353.6	0.41	-0.15	2.22
4,460.0	9.63	217.65	4,424.4	-367.5	-266.1	-366.0	0.45	-0.32	-1.87
4,555.0	9.14	218.44	4,518.1	-379.7	-275.6	-378.2	0.53	-0.52	0.83
4,650.0	8.44	215.54	4,612.0	-391.3	-284.3	-389.7	0.87	-0.74	-3.05
4,744.0	8.40	216.59	4,705.0	-402.4	-292.4	-400.8	0.17	-0.04	1.12
4,839.0	8.18	215.80	4,799.0	-413.5	-300.5	-411.8	0.26	-0.23	-0.83
4,913.7	7.89	213.73	4,873.0	-422.1	-306.5	-420.3	0.55	-0.38	-2.77
Cherry Canyon									
4,933.0	7.82	213.17	4,892.1	-424.3	-307.9	-422.5	0.55	-0.38	-2.90
5,028.0	8.48	218.53	4,986.1	-435.1	-315.8	-433.4	1.06	0.69	5.64
5,122.0	9.85	222.92	5,078.9	-446.5	-325.6	-444.6	1.64	1.46	4.67
5,217.0	9.58	223.01	5,172.6	-458.2	-336.6	-456.3	0.28	-0.28	0.09
5,312.0	9.45	225.82	5,266.3	-469.4	-347.5	-467.5	0.51	-0.14	2.96
5,406.0	8.48	226.00	5,359.1	-479.6	-358.1	-477.6	1.03	-1.03	0.19
5,501.0	8.40	223.98	5,453.1	-489.5	-367.9	-487.4	0.32	-0.08	-2.13
5,596.0	7.91	222.13	5,547.1	-499.3	-377.1	-497.2	0.59	-0.52	-1.95
5,690.0	8.97	223.80	5,640.1	-509.4	-386.5	-507.2	1.16	1.13	1.78
5,785.0	10.42	225.47	5,733.8	-520.8	-397.8	-518.5	1.55	1.53	1.76
5,878.7	9.86	222.52	5,826.0	-532.6	-409.3	-530.3	0.82	-0.60	-3.14
Brushy Canyon									
5,880.0	9.85	222.48	5,827.3	-532.8	-409.4	-530.5	0.82	-0.59	-3.32
5,975.0	10.11	223.89	5,920.8	-544.8	-420.7	-542.4	0.38	0.27	1.48
6,069.0	9.85	224.94	6,013.4	-556.4	-432.1	-554.0	0.34	-0.28	1.12
6,164.0	9.01	224.68	6,107.1	-567.4	-443.0	-565.0	0.89	-0.88	-0.27
6,259.0	8.40	222.13	6,201.0	-577.9	-452.9	-575.3	0.76	-0.64	-2.68
6,353.0	7.65	223.27	6,294.1	-587.5	-461.8	-584.9	0.82	-0.80	1.21
6,448.0	8.31	222.31	6,388.2	-597.2	-470.8	-594.6	0.71	0.69	-1.01
6,543.0	9.19	226.79	6,482.1	-607.5	-480.9	-604.8	1.17	0.93	4.72
6,637.0	8.97	227.49	6,574.9	-617.6	-491.8	-614.8	0.26	-0.23	0.74
6,732.0	8.84	227.67	6,668.8	-627.5	-502.7	-624.7	0.14	-0.14	0.19
6,827.0	8.04	230.74	6,762.7	-636.6	-513.2	-633.7	0.97	-0.84	3.23
6,922.0	7.78	233.21	6,856.8	-644.7	-523.5	-641.7	0.45	-0.27	2.60
7,016.0	7.82	232.85	6,950.0	-652.3	-533.7	-649.4	0.07	0.04	-0.38
7,111.0	5.10	232.59	7,044.4	-658.8	-542.2	-655.8	2.86	-2.86	-0.27
7,206.0	4.66	228.46	7,139.0	-663.9	-548.4	-660.9	0.59	-0.46	-4.35
7,300.0	4.35	228.72	7,232.7	-668.8	-554.0	-665.7	0.33	-0.33	0.28
7,395.0	2.90	216.95	7,327.5	-673.1	-558.1	-670.0	1.71	-1.53	-12.39
7,489.0	2.64	205.78	7,421.4	-677.0	-560.5	-673.8	0.64	-0.28	-11.88
7,584.0	2.29	217.65	7,516.3	-680.4	-562.6	-677.3	0.65	-0.37	12.49

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7,642.7	2.20	212.93	7,575.0	-682.3	-563.9	-679.2	0.35	-0.16	-8.03
Bone Spring Lime									
7,679.0	2.15	209.83	7,611.3	-683.5	-564.6	-680.3	0.35	-0.13	-8.55
7,760.8	2.00	212.77	7,693.0	-686.0	-566.2	-682.8	0.22	-0.18	3.60
Upper Avalon									
7,773.0	1.98	213.25	7,705.2	-686.4	-566.4	-683.2	0.22	-0.18	3.91
7,868.0	0.88	254.12	7,800.2	-688.0	-568.0	-684.8	1.51	-1.16	43.02
7,963.0	0.75	220.55	7,895.2	-688.6	-569.1	-685.4	0.51	-0.14	-35.34
8,057.0	1.45	217.39	7,989.1	-690.0	-570.2	-686.8	0.75	0.74	-3.36
8,147.9	0.53	17.46	8,080.0	-690.5	-570.8	-687.3	2.16	-1.01	176.16
Middle Avalon									
8,152.0	0.62	19.54	8,084.1	-690.5	-570.8	-687.3	2.16	2.10	50.29
8,247.0	1.32	52.77	8,179.1	-689.4	-569.8	-686.2	0.92	0.74	34.98
8,341.0	0.22	207.10	8,273.1	-688.9	-569.0	-685.7	1.62	-1.17	164.18
8,371.9	0.35	260.52	8,304.0	-688.9	-569.1	-685.7	0.91	0.42	172.96
Lower Avalon									
8,436.0	0.88	285.15	8,368.1	-688.8	-569.8	-685.6	0.91	0.83	38.42
8,531.0	1.54	295.43	8,463.1	-688.1	-571.6	-684.9	0.73	0.69	10.82
8,587.9	1.72	286.65	8,520.0	-687.5	-573.1	-684.3	0.54	0.31	-15.43
1st Bone Spring Sand									
8,625.0	1.85	281.90	8,557.0	-687.2	-574.3	-684.0	0.54	0.36	-12.81
8,719.0	2.11	274.78	8,651.0	-686.8	-577.5	-683.5	0.38	0.28	-7.57
8,814.0	1.76	282.07	8,745.9	-686.3	-580.6	-683.1	0.45	-0.37	7.67
8,908.0	1.89	276.18	8,839.9	-685.9	-583.6	-682.6	0.24	0.14	-6.27
8,938.1	2.00	275.46	8,870.0	-685.8	-584.6	-682.5	0.38	0.37	-2.38
2nd Bone Spring Carb									
9,003.0	2.24	274.16	8,934.8	-685.6	-587.0	-682.3	0.38	0.37	-2.01
9,098.0	2.33	283.65	9,029.8	-685.0	-590.7	-681.7	0.41	0.09	9.99
9,192.0	2.11	266.16	9,123.7	-684.6	-594.3	-681.3	0.75	-0.23	-18.61
9,223.3	1.66	263.16	9,155.0	-684.7	-595.3	-681.4	1.46	-1.43	-9.58
2nd Bone Spring Sand									
9,287.0	0.79	246.65	9,218.7	-685.0	-596.6	-681.7	1.46	-1.37	-25.93
9,381.0	0.97	91.97	9,312.6	-685.3	-596.4	-682.0	1.83	0.19	-164.55
9,476.0	1.41	109.19	9,407.6	-685.7	-594.5	-682.4	0.59	0.46	18.13
9,570.0	1.10	106.38	9,501.6	-686.3	-592.6	-683.0	0.34	-0.33	-2.99
9,665.0	1.01	133.89	9,596.6	-687.2	-591.1	-683.9	0.54	-0.09	28.96
9,759.0	2.20	155.42	9,690.6	-689.4	-589.8	-686.1	1.40	1.27	22.90
9,822.5	2.57	147.03	9,754.0	-691.7	-588.5	-688.4	0.80	0.58	-13.22
3rd Bone Spring Carb									
9,854.0	2.77	143.73	9,785.5	-692.9	-587.6	-689.6	0.80	0.63	-10.47
9,949.0	2.86	151.20	9,880.3	-696.8	-585.1	-693.6	0.40	0.09	7.86
10,043.0	0.88	173.18	9,974.3	-699.6	-583.9	-696.3	2.20	-2.11	23.38
10,138.0	0.35	171.07	10,069.3	-700.6	-583.8	-697.3	0.56	-0.56	-2.22
10,232.0	0.48	146.11	10,163.3	-701.2	-583.5	-698.0	0.23	0.14	-26.55

Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Nailed It Fed Com #204H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB @ 3072.0usft (H&P 376)
Site:	(Nailed It) Sec-36_T-26-S_R-30-E	MD Reference:	KB @ 3072.0usft (H&P 376)
Well:	Nailed It 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)
10,327.0	0.18	305.01	10,258.3	-701.5	-583.4	-698.2	0.69	-0.32	167.26
10,422.0	0.09	113.24	10,353.3	-701.4	-583.5	-698.1	0.28	-0.09	177.08
10,480.0	0.35	222.57	10,411.3	-701.6	-583.6	-698.3	0.67	0.45	188.50
10,490.7	0.42	202.19	10,422.0	-701.6	-583.6	-698.4	1.43	0.66	-190.17
3rd Bone Spring Sand									
10,530.0	0.88	171.68	10,461.3	-702.1	-583.6	-698.8	1.43	1.17	-77.67
10,625.0	0.92	289.98	10,556.3	-702.5	-584.2	-699.2	1.63	0.04	124.53
10,719.0	9.63	348.34	10,649.8	-694.5	-586.5	-691.3	9.77	9.27	62.09
10,794.0	21.26	355.43	10,722.0	-674.8	-588.9	-671.5	15.67	15.50	9.45
3rd BS W Sand									
10,813.0	24.22	356.16	10,739.5	-667.5	-589.4	-664.2	15.67	15.60	3.87
10,899.6	39.08	0.80	10,813.0	-622.2	-590.2	-618.9	17.38	17.16	5.36
Wolfcamp A X Sand									
10,908.0	40.53	1.09	10,819.5	-616.8	-590.1	-613.5	17.38	17.24	3.42
11,002.0	58.86	2.76	10,880.0	-545.5	-587.6	-542.2	19.55	19.50	1.78
11,096.0	74.20	1.79	10,917.4	-459.6	-584.2	-456.3	16.35	16.32	-1.03
11,116.9	75.69	2.03	10,922.8	-439.4	-583.6	-436.1	7.23	7.15	1.14
FTP @ 11116.9'MD, 330'FSL & 1173'FEL									
11,190.0	80.92	2.84	10,937.6	-367.9	-580.5	-364.7	7.23	7.15	1.11
11,218.2	81.10	2.79	10,942.0	-340.1	-579.1	-336.8	0.68	0.65	-0.18
Wolfcamp A Y Sand									
11,285.0	81.54	2.67	10,952.1	-274.1	-576.0	-270.9	0.68	0.65	-0.18
11,379.0	86.68	4.87	10,961.7	-180.9	-569.9	-177.7	5.94	5.47	2.34
11,473.0	87.47	5.74	10,966.5	-87.4	-561.2	-84.3	1.25	0.84	0.93
11,568.0	87.82	3.37	10,970.4	7.2	-553.6	10.3	2.52	0.37	-2.49
11,662.0	91.65	3.64	10,970.9	101.0	-547.9	104.1	4.08	4.07	0.29
11,757.0	92.31	3.55	10,967.6	195.8	-541.9	198.8	0.70	0.69	-0.09
11,851.0	94.02	4.43	10,962.4	289.4	-535.4	292.4	2.05	1.82	0.94
11,945.0	90.15	3.72	10,959.0	383.1	-528.7	386.0	4.19	-4.12	-0.76
12,040.0	89.71	3.20	10,959.1	477.9	-523.0	480.8	0.72	-0.46	-0.55
12,134.0	87.65	2.49	10,961.2	571.8	-518.3	574.7	2.32	-2.19	-0.76
12,229.0	88.00	2.14	10,964.9	666.6	-514.5	669.5	0.52	0.37	-0.37
12,324.0	87.38	2.23	10,968.7	761.5	-510.9	764.3	0.66	-0.65	0.09
12,418.0	89.93	1.44	10,970.9	855.4	-507.9	858.2	2.84	2.71	-0.84
12,513.0	90.90	2.32	10,970.2	950.3	-504.8	953.1	1.38	1.02	0.93
12,607.0	88.84	1.09	10,970.4	1,044.3	-502.0	1,047.1	2.55	-2.19	-1.31
12,701.0	89.63	2.14	10,971.7	1,138.2	-499.3	1,141.0	1.40	0.84	1.12
12,795.0	89.27	1.61	10,972.6	1,232.2	-496.2	1,234.9	0.68	-0.38	-0.56
12,889.0	87.52	359.50	10,975.2	1,326.1	-495.3	1,328.9	2.92	-1.86	-2.24
12,983.0	88.44	359.33	10,978.5	1,420.1	-496.3	1,422.8	1.00	0.98	-0.18
13,077.0	89.41	359.59	10,980.3	1,514.1	-497.2	1,516.8	1.07	1.03	0.28
13,172.0	89.71	359.77	10,981.0	1,609.0	-497.7	1,611.8	0.37	0.32	0.19
13,267.0	90.24	0.47	10,981.0	1,704.0	-497.5	1,706.8	0.92	0.56	0.74
13,361.0	90.59	0.21	10,980.4	1,798.0	-496.9	1,800.8	0.46	0.37	-0.28

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Site:	(Nailed It) Sec-36_T-26-S_R-30-E	MD Reference:	KB @ 3072.0usft (H&P 376)
Well:	Nailed It 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)
13,456.0	90.37	0.21	10,979.6	1,893.0	-496.6	1,895.8	0.23	-0.23	0.00
13,550.0	90.90	0.56	10,978.5	1,987.0	-496.0	1,989.8	0.68	0.56	0.37
13,644.0	92.44	1.61	10,975.8	2,081.0	-494.2	2,083.7	1.98	1.64	1.12
13,739.0	93.10	0.65	10,971.2	2,175.8	-492.3	2,178.6	1.23	0.69	-1.01
13,833.0	90.02	359.50	10,968.6	2,269.8	-492.2	2,272.5	3.50	-3.28	-1.22
13,928.0	89.27	358.89	10,969.2	2,364.8	-493.5	2,367.5	1.02	-0.79	-0.64
14,022.0	87.34	358.01	10,972.0	2,458.7	-496.1	2,461.4	2.26	-2.05	-0.94
14,117.0	87.34	357.66	10,976.4	2,553.5	-499.6	2,556.3	0.37	0.00	-0.37
14,211.0	87.12	357.48	10,981.0	2,647.3	-503.6	2,650.1	0.30	-0.23	-0.19
14,306.0	86.99	357.66	10,985.8	2,742.1	-507.7	2,744.9	0.23	-0.14	0.19
14,400.0	90.29	358.27	10,988.1	2,836.0	-511.0	2,838.8	3.57	3.51	0.65
14,494.0	89.49	357.75	10,988.3	2,930.0	-514.3	2,932.8	1.02	-0.85	-0.55
14,589.0	92.53	359.86	10,986.6	3,024.9	-516.2	3,027.7	3.89	3.20	2.22
14,683.0	93.10	359.42	10,982.0	3,118.8	-516.8	3,121.6	0.77	0.61	-0.47
14,778.0	92.48	358.98	10,977.3	3,213.7	-518.1	3,216.5	0.80	-0.65	-0.46
14,872.0	90.81	359.33	10,974.6	3,307.6	-519.5	3,310.5	1.82	-1.78	0.37
14,967.0	91.08	359.50	10,973.1	3,402.6	-520.5	3,405.5	0.34	0.28	0.18
15,061.0	89.32	358.98	10,972.7	3,496.6	-521.8	3,499.5	1.95	-1.87	-0.55
15,156.0	89.89	358.80	10,973.4	3,591.6	-523.6	3,594.4	0.63	0.60	-0.19
15,250.0	91.38	359.59	10,972.4	3,685.6	-524.9	3,688.4	1.79	1.59	0.84
15,263.0	91.21	359.59	10,972.1	3,698.5	-525.0	3,701.4	1.31	-1.31	0.00
LAST SVY									
15,270.3	91.21	359.59	10,971.9	3,705.8	-525.1	3,708.7	0.00	0.00	0.00
LTP @ 15270.3'MD, 330'FNL & 1091.6'FEL									
15,335.0	91.21	359.59	10,970.5	3,770.5	-525.5	3,773.4	0.00	0.00	0.00
Projection to TD @ 15335'MD, 265.3'FNL & 1091.6'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)	0.00	0.00	10,964.0	-439.0	-510.0	364,491.00	697,467.00	32° 0' 3.838 N	103° 49' 46.803 W
- actual wellpath misses target center by 83.3usft at 11128.7usft MD (10925.6 TVD, -427.9 N, -583.1 E)									
- Point									
LTP (Nailed It Fed Co)	0.00	0.00	10,978.0	3,706.0	-533.0	368,636.00	697,444.00	32° 0' 44.858 N	103° 49' 46.846 W
- actual wellpath misses target center by 10.0usft at 15270.3usft MD (10971.9 TVD, 3705.8 N, -525.1 E)									
- Point									
PBHL (Nailed It Fed C)	0.30	359.68	10,982.1	3,836.0	-534.0	368,766.00	697,443.00	32° 0' 46.144 N	103° 49' 46.850 W
- actual wellpath misses target center by 67.0usft at 15335.0usft MD (10970.5 TVD, 3770.5 N, -525.5 E)									
- Rectangle (sides W100.0 H4,275.0 D40.0)									

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Site:	(Nailed It) Sec-36_T-26-S_R-30-E	MD Reference:	KB @ 3072.0usft (H&P 376)
Well:	Nailed It Fed Com #204H	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 (°)
861.0	861.0	Rustler Anhydrite			
1,414.1	1,413.0	Top Salt			
3,473.3	3,452.0	Base Salt			
3,681.1	3,657.0	Delaware Mountain Gp			
3,688.2	3,664.0	Lamar			
3,707.4	3,683.0	Bell Canyon			
3,719.5	3,695.0	Ramsey Sand			
4,913.7	4,873.0	Cherry Canyon			
5,878.7	5,826.0	Brushy Canyon			
7,642.7	7,575.0	Bone Spring Lime			
7,760.8	7,693.0	Upper Avalon			
8,147.9	8,080.0	Middle Avalon			
8,371.9	8,304.0	Lower Avalon			
8,587.9	8,520.0	1st Bone Spring Sand			
8,938.1	8,870.0	2nd Bone Spring Carb			
9,223.3	9,155.0	2nd Bone Spring Sand			
9,822.5	9,754.0	3rd Bone Spring Carb			
10,490.7	10,422.0	3rd Bone Spring Sand			
10,794.0	10,722.0	3rd BS W Sand			
10,899.6	10,813.0	Wolfcamp A X Sand			
11,218.2	10,942.0	Wolfcamp A Y Sand			

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
11,116.9	10,922.8	-439.4	-583.6	FTP @ 11116.9'MD, 330'FSL & 1173'FEL
15,263.0	10,972.1	3,698.5	-525.0	LAST SVY
15,270.3	10,971.9	3,705.8	-525.1	LTP @ 15270.3'MD, 330'FNL & 1091.6'FEL
15,335.0	10,970.5	3,770.5	-525.5	Projection to TD @ 15335'MD, 265.3'FNL & 1091.6'FEL

Checked By: _____ Approved By: _____ Date: _____