

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

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT
AS-DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-40675 46883	² Pool Code 2220	³ Pool Name ANTELOPE RIDGE; WOLFCAMP
⁴ Property Code 326773	⁵ Property Name THE CONTEST FED COM	⁶ Well Number 132H
⁷ OGRID No. 372043	⁸ Operator Name TAP ROCK OPERATING, LLC.	⁹ Elevation 3563'

¹⁰Surface Location

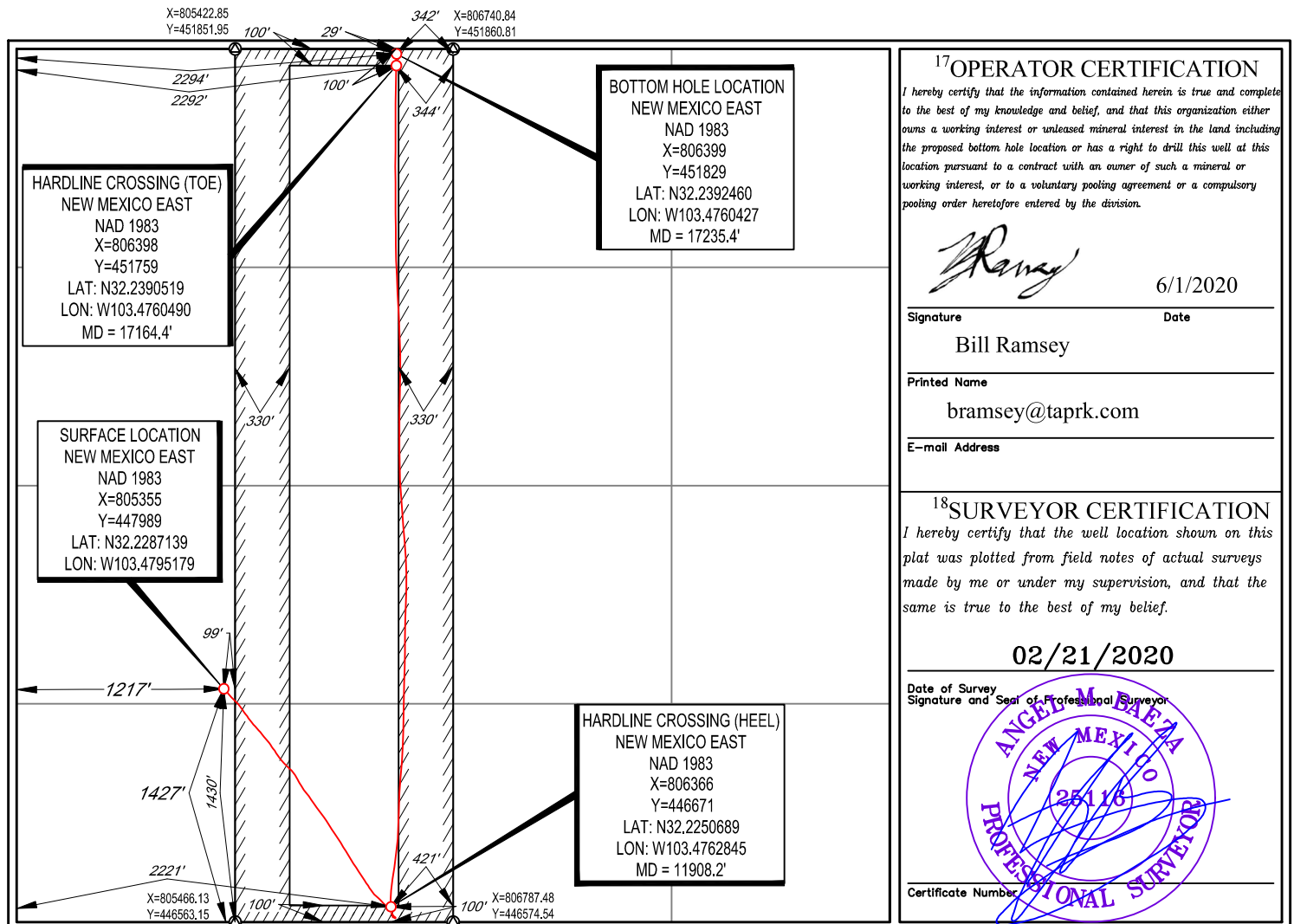
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	9	24-S	34-E	-	1427'	SOUTH	1217'	WEST	LEA

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
C	9	24-S	34-E	-	29'	NORTH	2294'	WEST	LEA

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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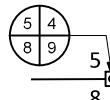
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



SCALE: 1" = 1000'

SECTION 9, TOWNSHIP 24-S, RANGE 34-E, N.M.P.M.
LEA COUNTY, NEW MEXICO

FND. BRASS CAP,
U.S. G.L.O. SUR.



N 00°36'46" W 2649.54'

HARDLINE CROSSING (HEEL)
NEW MEXICO EAST
NAD 1983
X=806398
Y=451759
LAT: N32.2390519
LON: W103.4760490
MD = 17164.4'

SURFACE LOCATION
NEW MEXICO EAST
NAD 1983
X=805355
Y=447989
LAT: N32.2287139
LON: W103.4795179

BOTTOM HOLE LOCATION
NEW MEXICO EAST
NAD 1983
X=806399
Y=451829
LAT: N32.2392460
LON: W103.4760427
MD = 17235.4'

HARDLINE CROSSING (HEEL)
NEW MEXICO EAST
NAD 1983
X=806366
Y=446671
LAT: N32.2250689
LON: W103.4762845
MD = 11908.2'

FND. BRASS CAP,
U.S. G.L.O. SUR.



S 00°34'41" E 5281.45'

FND. BRASS CAP,
U.S. G.L.O. SUR.



N 00°15'05" W 2641.97'

FND. BRASS CAP,
U.S. G.L.O. SUR.



LEASE NAME & WELL NO.: THE CONTEST FED COM 132H
SECTION 9 TWP 24-S RGE 34-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 3563'
DESCRIPTION 1427' FSL & 1217' FWL



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM

INTERNAL
PRE-COMPLETION
PLAT



- NOTES:
1. ORIGINAL DOCUMENT SIZE: 8.5" X 11"
 2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.
 3. THIS WELL LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY TAP ROCK OPERATING, LLC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

THE CONTEST FED COM 132H PRE-COMPLETION	REVISION:	
	INT	DATE
DATE: 05/28/2020		
FILE: C:\THE_CONTEST_FED_COM_132H		
DRAWN BY: IMU		
SHEET: 1 OF 1		



Rec'd 7/30/2020 - NMOCD

Tap Rock Resources, LLC

**Lea County, NM (NAD 83 NME)
(Contest Fed) Sec-9_T-24-S_R-34-E
The Contest Fed Com #132H**

OWB

Design: AWB

Standard Survey Report

03 May, 2020





Operator: Taprock Resources LLC
Well Name: The Contest Fed Com #132H
County: Lea
State: New Mexico
Rig Name: H&P 388
API: 30-025-46883

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: 120' MD – 17,168 MD
Projection to Bit: 17,237' MD
Dates Performed: 04/05/2020 – 05/03/2020
Type of Survey: MWD

Sincerely,

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

James Burleson
Vice President of MWD Operations
Intrepid Directional Drilling Specialists



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well The Contest Fed Com #132H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3588.0usft (H&P 388)
Site:	(Contest Fed) Sec-9_T-24-S_R-34-E	MD Reference:	KB @ 3588.0usft (H&P 388)
Well:	The Contest Fed Com #132H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Project	Lea 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	(Contest Fed) Sec-9_T-24-S_R-34-E		
Site Position:		Northing:	447,954.00 usft
From:	Map	Easting:	805,330.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 13' 43.026 N
		Longitude:	103° 28' 46.561 W
		Grid Convergence:	0.46 °

Well	The Contest Fed Com #132H		
Well Position	+N/-S	0.0 usft	Northing: 447,989.00 usft
	+E/-W	0.0 usft	Easting: 805,355.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 13' 43.370 N
		Longitude:	103° 28' 46.267 W
		Ground Level:	3,562.0 usft

Wellbore	OWB		
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	04/06/20	6.61	60.04	47,660.95963167

Design	AWB		
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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	359.57

Survey Program	Date	05/03/20
From (usft)	To (usft)	Survey (Wellbore)
200.0	17,237.0	Intrepid MWD (OWB)
Tool Name	Description	
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
	200.0	0.00	279.84	200.0	0.0	0.0	0.0	0.00	0.00	0.00
	332.0	0.04	289.25	332.0	0.0	0.0	0.0	0.03	0.03	0.00
	420.0	0.13	356.31	420.0	0.1	-0.1	0.1	0.14	0.10	76.20
	513.0	0.40	29.27	513.0	0.5	0.1	0.5	0.32	0.29	35.44
	604.0	0.62	29.27	604.0	1.2	0.5	1.2	0.24	0.24	0.00
	786.0	0.75	22.59	786.0	3.2	1.4	3.2	0.08	0.07	-3.67
	878.0	0.70	106.43	878.0	3.6	2.2	3.6	1.05	-0.05	91.13
	969.0	2.07	150.82	969.0	2.0	3.5	2.0	1.81	1.51	48.78
	1,064.0	2.81	147.39	1,063.9	-1.5	5.6	-1.5	0.79	0.78	-3.61

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Well:	The Contest Fed Com #132H	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)
1,159.0	3.16	145.72	1,158.7	-5.6	8.3	-5.7	0.38	0.37	-1.76
1,196.3	3.15	145.84	1,196.0	-7.3	9.5	-7.4	0.03	-0.02	0.33
Rustler Anhydrite									
1,348.0	3.12	146.34	1,347.5	-14.2	14.1	-14.3	0.03	-0.02	0.33
1,443.0	4.00	142.64	1,442.3	-19.0	17.6	-19.1	0.96	0.93	-3.89
1,538.0	7.52	139.74	1,536.8	-26.4	23.6	-26.5	3.72	3.71	-3.05
1,632.0	10.95	137.81	1,629.5	-37.7	33.6	-37.9	3.66	3.65	-2.05
1,727.0	12.48	135.96	1,722.6	-51.7	46.8	-52.1	1.66	1.61	-1.95
1,729.5	12.47	135.95	1,725.0	-52.1	47.1	-52.5	0.38	-0.37	-0.39
Top Salt									
1,917.0	11.78	135.17	1,908.3	-80.2	74.7	-80.8	0.38	-0.37	-0.42
2,011.0	11.38	135.79	2,000.4	-93.7	87.9	-94.4	0.45	-0.43	0.66
2,106.0	11.91	145.81	2,093.5	-108.5	100.0	-109.3	2.20	0.56	10.55
2,201.0	11.47	144.49	2,186.5	-124.3	111.0	-125.1	0.54	-0.46	-1.39
2,296.0	10.77	143.44	2,279.7	-139.1	121.8	-140.0	0.77	-0.74	-1.11
2,390.0	9.85	144.49	2,372.2	-152.7	131.7	-153.7	1.00	-0.98	1.12
2,485.0	9.01	143.87	2,465.9	-165.4	140.8	-166.4	0.89	-0.88	-0.65
2,580.0	8.09	144.40	2,559.8	-176.8	149.0	-177.9	0.97	-0.97	0.56
2,769.0	10.86	141.41	2,746.2	-201.5	167.9	-202.8	1.49	1.47	-1.58
2,863.0	10.37	139.92	2,838.6	-214.9	178.9	-216.3	0.60	-0.52	-1.59
2,958.0	9.71	138.25	2,932.2	-227.5	189.7	-228.9	0.76	-0.69	-1.76
3,053.0	9.23	137.46	3,025.9	-239.0	200.2	-240.5	0.52	-0.51	-0.83
3,148.0	8.75	136.05	3,119.7	-249.9	210.4	-251.4	0.56	-0.51	-1.48
3,242.0	9.63	139.39	3,212.5	-261.0	220.4	-262.6	1.09	0.94	3.55
3,337.0	11.21	143.17	3,305.9	-274.4	231.1	-276.1	1.81	1.66	3.98
3,432.0	10.73	141.15	3,399.2	-288.7	242.2	-290.5	0.65	-0.51	-2.13
3,527.0	10.29	139.92	3,492.6	-302.1	253.2	-304.0	0.52	-0.46	-1.29
3,621.0	9.41	139.13	3,585.2	-314.3	263.7	-316.3	0.95	-0.94	-0.84
3,716.0	8.84	142.73	3,679.0	-326.0	273.2	-328.0	0.85	-0.60	3.79
3,811.0	9.23	146.16	3,772.8	-338.1	281.8	-340.2	0.70	0.41	3.61
3,906.0	7.87	144.31	3,866.8	-349.7	289.9	-351.9	1.46	-1.43	-1.95
4,000.0	8.62	143.44	3,959.8	-360.6	297.8	-362.8	0.81	0.80	-0.93
4,095.0	10.59	146.69	4,053.5	-373.6	306.9	-375.9	2.15	2.07	3.42
4,190.0	9.67	146.78	4,147.0	-387.6	316.0	-390.0	0.97	-0.97	0.09
4,379.0	8.31	143.79	4,333.7	-411.9	332.8	-414.4	0.76	-0.72	-1.58
4,474.0	8.70	142.03	4,427.6	-423.1	341.3	-425.7	0.49	0.41	-1.85
4,568.0	10.46	138.78	4,520.3	-435.1	351.3	-437.7	1.96	1.87	-3.46
4,663.0	11.08	138.25	4,613.6	-448.4	363.0	-451.1	0.66	0.65	-0.56
4,758.0	8.92	134.91	4,707.2	-460.4	374.3	-463.2	2.35	-2.27	-3.52
4,853.0	8.97	132.45	4,801.0	-470.6	385.0	-473.5	0.41	0.05	-2.59
4,948.0	10.59	134.12	4,894.7	-481.7	396.7	-484.7	1.73	1.71	1.76
5,042.0	11.21	135.00	4,987.0	-494.2	409.4	-497.2	0.68	0.66	0.94
5,080.8	11.21	137.73	5,025.0	-499.6	414.6	-502.7	1.37	0.00	7.04
Base Salt									

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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)
5,137.0	11.25	141.68	5,080.1	-508.0	421.7	-511.1	1.37	0.07	7.02
5,232.0	10.15	148.27	5,173.5	-522.4	431.8	-525.6	1.73	-1.16	6.94
5,326.0	9.41	153.19	5,266.1	-536.3	439.6	-539.6	1.19	-0.79	5.23
5,353.2	9.09	152.55	5,293.0	-540.2	441.6	-543.5	1.22	-1.16	-2.37
Lamar									
5,355.2	9.07	152.50	5,295.0	-540.5	441.8	-543.8	1.22	-1.16	-2.46
Delaware Mountain Gp									
5,391.7	8.65	151.56	5,331.0	-545.4	444.4	-548.7	1.22	-1.16	-2.58
Bell Canyon									
5,393.7	8.62	151.50	5,333.0	-545.7	444.6	-549.0	1.22	-1.15	-2.71
Ramsey Sand									
5,421.0	8.31	150.73	5,360.0	-549.2	446.5	-552.5	1.22	-1.15	-2.82
5,497.0	7.91	151.70	5,435.2	-558.6	451.7	-562.0	0.56	-0.53	1.28
5,595.0	7.65	150.20	5,532.3	-570.2	458.1	-573.6	0.34	-0.27	-1.53
5,690.0	8.31	147.57	5,626.4	-581.5	464.9	-584.9	0.79	0.69	-2.77
5,784.0	10.20	150.03	5,719.2	-594.4	472.7	-597.9	2.05	2.01	2.62
5,879.0	12.66	143.08	5,812.3	-610.0	483.2	-613.6	2.96	2.59	-7.32
5,973.0	14.64	140.18	5,903.6	-627.4	497.0	-631.1	2.23	2.11	-3.09
6,068.0	16.66	142.20	5,995.1	-647.4	513.0	-651.2	2.20	2.13	2.13
6,163.0	18.02	146.34	6,085.8	-670.4	529.5	-674.3	1.93	1.43	4.36
6,258.0	16.79	145.98	6,176.4	-694.0	545.3	-698.0	1.30	-1.29	-0.38
6,352.0	15.47	145.54	6,266.7	-715.6	560.0	-719.7	1.41	-1.40	-0.47
6,447.0	15.65	143.44	6,358.3	-736.3	574.8	-740.6	0.62	0.19	-2.21
6,466.5	15.57	143.03	6,377.0	-740.5	578.0	-744.8	0.71	-0.43	-2.09
Cherry Canyon									
6,542.0	15.25	141.41	6,449.8	-756.4	590.3	-760.8	0.71	-0.42	-2.15
6,636.0	15.78	144.49	6,540.4	-776.4	605.4	-780.9	1.04	0.56	3.28
6,731.0	18.02	146.25	6,631.3	-799.2	621.1	-803.8	2.42	2.36	1.85
6,826.0	19.52	147.21	6,721.2	-824.7	637.8	-829.5	1.61	1.58	1.01
6,920.0	20.04	147.04	6,809.7	-851.4	655.1	-856.3	0.56	0.55	-0.18
7,015.0	19.43	146.78	6,899.1	-878.3	672.6	-883.3	0.65	-0.64	-0.27
7,110.0	19.03	147.04	6,988.8	-904.5	689.7	-909.7	0.43	-0.42	0.27
7,204.0	18.64	147.30	7,077.8	-930.0	706.1	-935.3	0.42	-0.41	0.28
7,299.0	18.24	148.27	7,167.9	-955.5	722.2	-960.8	0.53	-0.42	1.02
7,394.0	17.93	149.06	7,258.2	-980.6	737.5	-986.1	0.42	-0.33	0.83
7,488.0	18.15	149.15	7,347.6	-1,005.6	752.4	-1,011.2	0.24	0.23	0.10
7,583.0	17.89	148.62	7,437.9	-1,030.8	767.6	-1,036.5	0.32	-0.27	-0.56
7,678.0	18.51	146.51	7,528.2	-1,055.8	783.5	-1,061.7	0.95	0.65	-2.22
7,772.0	17.14	145.72	7,617.7	-1,079.7	799.6	-1,085.7	1.48	-1.46	-0.84
7,806.8	16.37	145.81	7,651.0	-1,088.0	805.2	-1,094.0	2.22	-2.22	0.25
Brushy Canyon									
7,867.0	15.03	145.98	7,708.9	-1,101.5	814.4	-1,107.6	2.22	-2.22	0.29
7,962.0	14.73	147.57	7,800.8	-1,121.9	827.7	-1,128.1	0.53	-0.32	1.67
8,151.0	11.34	147.30	7,984.9	-1,157.8	850.7	-1,164.2	1.79	-1.79	-0.14
8,246.0	11.65	147.21	8,078.0	-1,173.7	860.9	-1,180.2	0.33	0.33	-0.09

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8,341.0	11.52	146.25	8,171.0	-1,189.7	871.4	-1,196.2	0.24	-0.14	-1.01
8,435.0	9.93	144.58	8,263.4	-1,204.1	881.3	-1,210.7	1.72	-1.69	-1.78
8,530.0	9.49	144.67	8,357.0	-1,217.2	890.5	-1,223.8	0.46	-0.46	0.09
8,624.0	9.36	143.96	8,449.7	-1,229.7	899.5	-1,236.4	0.19	-0.14	-0.76
8,719.0	10.07	135.79	8,543.4	-1,241.9	909.9	-1,248.7	1.63	0.75	-8.60
8,814.0	11.43	132.36	8,636.7	-1,254.2	922.6	-1,261.1	1.58	1.43	-3.61
8,908.0	12.53	133.50	8,728.7	-1,267.5	936.9	-1,274.5	1.20	1.17	1.21
9,003.0	13.67	135.88	8,821.2	-1,282.6	952.2	-1,289.7	1.33	1.20	2.51
9,098.0	10.95	135.09	8,914.0	-1,297.1	966.4	-1,304.3	2.87	-2.86	-0.83
9,160.0	9.73	134.49	8,975.0	-1,304.9	974.3	-1,312.2	1.98	-1.97	-0.97
Bone Spring Lime									
9,192.0	9.10	134.12	9,006.6	-1,308.6	978.0	-1,315.9	1.98	-1.97	-1.16
9,228.9	9.41	136.10	9,043.0	-1,312.8	982.2	-1,320.1	1.21	0.85	5.35
Upper Avalon									
9,287.0	9.93	138.95	9,100.3	-1,320.0	988.8	-1,327.4	1.21	0.89	4.91
9,382.0	8.84	143.52	9,194.0	-1,332.0	998.5	-1,339.5	1.39	-1.15	4.81
9,476.0	7.65	147.48	9,287.0	-1,343.1	1,006.2	-1,350.6	1.40	-1.27	4.21
9,523.4	7.30	148.32	9,334.0	-1,348.3	1,009.4	-1,355.9	0.77	-0.74	1.76
Middle Avalon									
9,571.0	6.95	149.24	9,381.2	-1,353.4	1,012.5	-1,360.9	0.77	-0.74	1.94
9,665.0	6.64	145.28	9,474.6	-1,362.7	1,018.5	-1,370.3	0.60	-0.33	-4.21
9,760.0	4.79	135.96	9,569.1	-1,370.1	1,024.4	-1,377.7	2.17	-1.95	-9.81
9,855.0	2.90	142.29	9,663.9	-1,374.8	1,028.6	-1,382.5	2.04	-1.99	6.66
9,860.1	2.88	142.59	9,669.0	-1,375.0	1,028.8	-1,382.7	0.49	-0.39	5.95
Lower Avalon									
9,949.0	2.55	148.62	9,757.8	-1,378.5	1,031.2	-1,386.2	0.49	-0.37	6.78
10,044.0	1.14	77.69	9,852.7	-1,380.1	1,033.2	-1,387.8	2.56	-1.48	-74.66
10,139.0	1.05	70.75	9,947.7	-1,379.6	1,034.9	-1,387.4	0.17	-0.09	-7.31
10,186.3	1.11	111.93	9,995.0	-1,379.7	1,035.8	-1,387.4	1.61	0.13	87.10
1st Bone Spring Sand									
10,233.0	1.58	137.55	10,041.7	-1,380.3	1,036.6	-1,388.0	1.61	1.01	54.84
10,328.0	2.02	154.86	10,136.7	-1,382.8	1,038.2	-1,390.5	0.73	0.46	18.22
10,423.0	0.88	200.04	10,231.6	-1,385.0	1,038.7	-1,392.7	1.61	-1.20	47.56
10,429.4	0.86	203.17	10,238.0	-1,385.1	1,038.6	-1,392.8	0.79	-0.27	49.05
2nd Bone Spring Carb									
10,517.0	0.92	248.99	10,325.6	-1,385.9	1,037.7	-1,393.7	0.79	0.07	52.29
10,612.0	1.19	275.27	10,420.6	-1,386.1	1,036.0	-1,393.8	0.58	0.28	27.66
10,707.0	1.36	283.97	10,515.6	-1,385.8	1,034.0	-1,393.5	0.27	0.18	9.16
10,713.4	1.37	287.02	10,522.0	-1,385.7	1,033.8	-1,393.4	1.14	0.12	47.51
2nd Bone Spring Sand									
10,802.0	1.80	320.71	10,610.5	-1,384.3	1,031.9	-1,392.0	1.14	0.49	38.03
10,896.0	2.20	316.76	10,704.5	-1,381.9	1,029.7	-1,389.6	0.45	0.43	-4.20
10,991.0	1.23	272.11	10,799.4	-1,380.5	1,027.5	-1,388.2	1.67	-1.02	-47.00
11,086.0	1.89	234.23	10,894.4	-1,381.4	1,025.2	-1,389.0	1.25	0.69	-39.87

Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well The Contest Fed Com #132H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3588.0usft (H&P 388)
Site:	(Contest Fed) Sec-9_T-24-S_R-34-E	MD Reference:	KB @ 3588.0usft (H&P 388)
Well:	The Contest Fed Com #132H	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)
11,181.0	0.79	271.67	10,989.4	-1,382.3	1,023.3	-1,389.9	1.42	-1.16	39.41
11,213.6	0.74	292.43	11,022.0	-1,382.2	1,022.8	-1,389.8	0.86	-0.14	63.66
3rd Bone Spring Carb									
11,275.0	0.92	327.39	11,083.4	-1,381.6	1,022.2	-1,389.3	0.86	0.29	56.95
11,370.0	1.63	339.96	11,178.4	-1,379.7	1,021.3	-1,387.3	0.80	0.75	13.23
11,465.0	2.81	345.32	11,273.3	-1,376.2	1,020.3	-1,383.8	1.26	1.24	5.64
11,560.0	3.08	350.15	11,368.2	-1,371.4	1,019.2	-1,379.0	0.39	0.28	5.08
11,710.0	5.23	346.73	11,517.8	-1,360.8	1,017.0	-1,368.4	1.44	1.43	-2.28
11,758.6	8.26	347.76	11,566.0	-1,355.2	1,015.7	-1,362.8	6.25	6.24	2.12
3rd Bone Spring Sand									
11,805.0	11.16	348.22	11,611.7	-1,347.6	1,014.1	-1,355.1	6.25	6.24	1.00
11,899.0	20.22	354.37	11,702.2	-1,322.4	1,010.7	-1,330.0	9.79	9.64	6.54
11,911.1	21.93	355.21	11,713.4	-1,318.1	1,010.3	-1,325.7	14.38	14.17	6.90
FTP @ 11911.1'MD, 100'FSL & 521.2'FEL									
11,995.0	33.89	358.77	11,787.5	-1,279.0	1,008.4	-1,286.5	14.38	14.25	4.25
12,011.5	35.77	0.25	11,801.0	-1,269.5	1,008.4	-1,277.1	12.51	11.41	8.98
3rd BS W Sand									
12,090.0	44.92	5.80	11,860.8	-1,218.9	1,011.3	-1,226.5	12.51	11.65	7.07
12,101.6	45.26	6.14	11,869.0	-1,210.7	1,012.1	-1,218.3	3.54	2.89	2.89
Wolfcamp A X Sand									
12,185.0	47.69	8.44	11,926.4	-1,150.8	1,019.8	-1,158.4	3.54	2.92	2.76
12,231.4	52.94	8.44	11,956.0	-1,115.5	1,025.1	-1,123.1	11.32	11.32	0.00
Wolfcamp A Y Sand									
12,279.0	58.33	8.44	11,982.9	-1,076.6	1,030.8	-1,084.3	11.32	11.32	0.00
12,357.9	62.20	7.48	12,022.0	-1,008.8	1,040.3	-1,016.6	5.02	4.90	-1.22
Wolfcamp A Lower									
12,374.0	62.99	7.29	12,029.4	-994.6	1,042.1	-1,002.4	5.02	4.91	-1.17
12,470.0	66.68	4.13	12,070.2	-908.2	1,050.7	-916.0	4.86	3.84	-3.29
12,565.0	81.80	2.02	12,096.0	-817.1	1,055.6	-825.0	16.06	15.92	-2.22
12,660.0	85.89	0.88	12,106.2	-722.7	1,058.0	-730.6	4.47	4.31	-1.20
12,755.0	87.52	2.72	12,111.6	-627.9	1,060.9	-635.9	2.59	1.72	1.94
12,850.0	96.40	5.18	12,108.4	-533.3	1,067.5	-541.3	9.70	9.35	2.59
12,945.0	97.63	5.62	12,096.8	-439.5	1,076.3	-447.5	1.37	1.29	0.46
13,040.0	95.16	1.58	12,086.2	-345.3	1,082.3	-353.4	4.96	-2.60	-4.25
13,135.0	93.45	1.58	12,079.1	-250.6	1,084.9	-258.7	1.80	-1.80	0.00
13,230.0	91.30	0.70	12,075.1	-155.7	1,086.8	-163.8	2.45	-2.26	-0.93
13,325.0	92.09	1.49	12,072.3	-60.7	1,088.6	-68.9	1.18	0.83	0.83
13,420.0	92.26	1.14	12,068.7	34.2	1,090.7	26.0	0.41	0.18	-0.37
13,513.0	92.48	1.49	12,064.9	127.1	1,092.9	118.9	0.44	0.24	0.38
13,608.0	92.35	0.35	12,060.9	222.0	1,094.4	213.8	1.21	-0.14	-1.20
13,704.0	92.13	0.44	12,057.1	317.9	1,095.1	309.7	0.25	-0.23	0.09
13,800.0	93.10	2.37	12,052.7	413.8	1,097.4	405.5	2.25	1.01	2.01
13,895.0	92.75	1.76	12,047.9	508.6	1,100.8	500.3	0.74	-0.37	-0.64
13,990.0	91.96	1.05	12,044.0	603.5	1,103.2	595.2	1.12	-0.83	-0.75
14,085.0	89.54	359.65	12,042.7	698.4	1,103.7	690.1	2.94	-2.55	-1.47

Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well The Contest Fed Com #132H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3588.0usft (H&P 388)
Site:	(Contest Fed) Sec-9_T-24-S_R-34-E	MD Reference:	KB @ 3588.0usft (H&P 388)
Well:	The Contest Fed Com #132H	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)
14,179.0	91.43	356.04	12,041.9	792.4	1,100.2	784.1	4.33	2.01	-3.84
14,274.0	94.15	355.43	12,037.3	887.0	1,093.2	878.7	2.93	2.86	-0.64
14,369.0	94.55	355.43	12,030.1	981.4	1,085.6	973.2	0.42	0.42	0.00
14,463.0	94.02	355.43	12,023.1	1,074.8	1,078.1	1,066.7	0.56	-0.56	0.00
14,558.0	94.86	355.69	12,015.7	1,169.3	1,070.8	1,161.2	0.93	0.88	0.27
14,653.0	96.40	357.45	12,006.4	1,263.6	1,065.1	1,255.6	2.45	1.62	1.85
14,748.0	97.71	359.21	11,994.7	1,357.9	1,062.4	1,349.9	2.30	1.38	1.85
14,844.0	97.67	359.56	11,981.9	1,453.0	1,061.4	1,445.0	0.36	-0.04	0.36
14,939.0	96.26	359.65	11,970.4	1,547.3	1,060.7	1,539.3	1.49	-1.48	0.09
15,034.0	94.02	0.96	11,961.9	1,641.9	1,061.2	1,633.9	2.73	-2.36	1.38
15,129.0	91.82	1.14	11,957.0	1,736.8	1,063.0	1,728.7	2.32	-2.32	0.19
15,224.0	92.04	1.76	11,953.8	1,831.7	1,065.4	1,823.6	0.69	0.23	0.65
15,319.0	92.18	0.44	11,950.3	1,926.6	1,067.2	1,918.5	1.40	0.15	-1.39
15,415.0	91.65	358.42	11,947.1	2,022.5	1,066.2	2,014.5	2.17	-0.55	-2.10
15,509.0	90.86	358.15	11,945.1	2,116.5	1,063.4	2,108.4	0.89	-0.84	-0.29
15,605.0	91.34	357.80	11,943.2	2,212.4	1,060.0	2,204.4	0.62	0.50	-0.36
15,700.0	94.20	356.83	11,938.6	2,307.2	1,055.6	2,299.2	3.18	3.01	-1.02
15,795.0	95.16	356.83	11,930.9	2,401.7	1,050.4	2,393.7	1.01	1.01	0.00
15,890.0	94.46	357.45	11,922.9	2,496.2	1,045.6	2,488.3	0.98	-0.74	0.65
15,985.0	94.37	358.33	11,915.6	2,590.9	1,042.1	2,583.0	0.93	-0.09	0.93
16,080.0	93.41	358.94	11,909.1	2,685.6	1,039.9	2,677.8	1.20	-1.01	0.64
16,175.0	92.40	359.91	11,904.3	2,780.5	1,038.9	2,772.6	1.47	-1.06	1.02
16,270.0	92.09	359.47	11,900.6	2,875.4	1,038.4	2,867.6	0.57	-0.33	-0.46
16,365.0	91.21	359.73	11,897.9	2,970.4	1,037.8	2,962.5	0.97	-0.93	0.27
16,460.0	93.19	359.65	11,894.2	3,065.3	1,037.2	3,057.4	2.09	2.08	-0.08
16,555.0	93.63	0.09	11,888.6	3,160.1	1,037.0	3,152.3	0.65	0.46	0.46
16,650.0	92.92	0.26	11,883.1	3,255.0	1,037.3	3,247.1	0.77	-0.75	0.18
16,745.0	92.84	0.17	11,878.4	3,349.9	1,037.7	3,342.0	0.13	-0.08	-0.09
16,840.0	92.66	0.26	11,873.8	3,444.8	1,038.0	3,436.9	0.21	-0.19	0.09
16,935.0	94.99	0.70	11,867.5	3,539.5	1,038.8	3,531.6	2.50	2.45	0.46
17,030.0	95.30	0.96	11,859.0	3,634.1	1,040.2	3,626.2	0.43	0.33	0.27
17,125.0	95.52	1.05	11,850.0	3,728.7	1,041.9	3,720.8	0.25	0.23	0.09
17,166.0	95.56	1.14	11,846.0	3,769.5	1,042.6	3,761.6	0.23	0.09	0.21
LTP @ 17166.0'MD, 100'FNL & 344.1'FEL									
17,168.0	95.56	1.14	11,845.9	3,771.5	1,042.7	3,763.6	0.23	0.09	0.21
LAST SVY									
17,237.0	95.56	1.14	11,839.2	3,840.2	1,044.0	3,832.2	0.00	0.00	0.00
Projection to TD @ 17237'MD, 29.3'FNL & 342.1'FEL									

Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well The Contest Fed Com #132H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3588.0usft (H&P 388)
Site:	(Contest Fed) Sec-9_T-24-S_R-34-E	MD Reference:	KB @ 3588.0usft (H&P 388)
Well:	The Contest Fed Com #132H	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
PBHL (The Contest Fed - actual wellpath misses target center by 14.1usft at 17236.4usft MD (11839.2 TVD, 3839.5 N, 1044.0 E) - Rectangle (sides W100.0 H1,834.4 D30.0)	-3.00	359.57	11,846.6	3,840.0	1,056.0	451,829.00	806,411.00	32° 14' 21.283 N	103° 28' 33.617 W
LTP (The Contest Fed - actual wellpath misses target center by 13.4usft at 17166.7usft MD (11846.0 TVD, 3770.2 N, 1042.7 E) - Point	0.00	0.00	11,846.7	3,770.0	1,056.0	451,759.00	806,411.00	32° 14' 20.591 N	103° 28' 33.624 W
T1 (The Contest Fed - actual wellpath misses target center by 5.8usft at 15400.7usft MD (11947.5 TVD, 2008.2 N, 1066.6 E) - Rectangle (sides W100.0 H3,326.0 D30.0)	-3.50	359.57	11,942.7	2,008.1	1,069.7	449,997.10	806,424.72	32° 14' 3.156 N	103° 28' 33.628 W
FTP (The Contest Fed - actual wellpath misses target center by 207.6usft at 12146.4usft MD (11900.1 TVD, -1178.8 N, 1015.9 E) - Point	0.00	0.00	12,034.0	-1,317.0	1,094.0	446,672.00	806,449.00	32° 13' 30.252 N	103° 28' 33.654 W

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,196.3	1,196.0	Rustler Anhydrite			
1,729.5	1,725.0	Top Salt			
5,080.8	5,025.0	Base Salt			
5,353.2	5,293.0	Lamar			
5,355.2	5,295.0	Delaware Mountain Gp			
5,391.7	5,331.0	Bell Canyon			
5,393.7	5,333.0	Ramsey Sand			
6,466.5	6,377.0	Cherry Canyon			
7,806.8	7,651.0	Brushy Canyon			
9,160.0	8,975.0	Bone Spring Lime			
9,228.9	9,043.0	Upper Avalon			
9,523.4	9,334.0	Middle Avalon			
9,860.1	9,669.0	Lower Avalon			
10,186.3	9,995.0	1st Bone Spring Sand			
10,429.4	10,238.0	2nd Bone Spring Carb			
10,713.4	10,522.0	2nd Bone Spring Sand			
11,213.6	11,022.0	3rd Bone Spring Carb			
11,758.6	11,566.0	3rd Bone Spring Sand			
12,011.5	11,801.0	3rd BS W Sand			
12,101.6	11,869.0	Wolfcamp A X Sand			
12,231.4	11,956.0	Wolfcamp A Y Sand			
12,357.9	12,022.0	Wolfcamp A Lower			



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well The Contest Fed Com #132H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3588.0usft (H&P 388)
Site:	(Contest Fed) Sec-9_T-24-S_R-34-E	MD Reference:	KB @ 3588.0usft (H&P 388)
Well:	The Contest Fed Com #132H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
11,911.1	11,713.4	-1,318.1	1,010.3	FTP @ 11911.1'MD, 100'FSL & 521.2'FEL
17,166.0	11,846.0	3,769.5	1,042.6	LTP @ 17166.0'MD, 100'FNL & 344.1'FEL
17,168.0	11,845.9	3,771.5	1,042.7	LAST SVY
17,237.0	11,839.2	3,840.2	1,044.0	Projection to TD @ 17237'MD, 29.3'FNL & 342.1'FEL

Checked By: _____ Approved By: _____ Date: _____