

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 30-025-46678	² Pool Code 2220	³ Pool Name ANTELOPE RIDGE; WOLFCAMP
⁴ Property Code 326773	⁵ Property Name THE CONTEST FED COM	⁶ Well Number 211H
⁷ OGRID No. 372043	⁸ Operator Name TAP ROCK OPERATING, LLC.	⁹ Elevation 3563'

¹⁰Surface Location

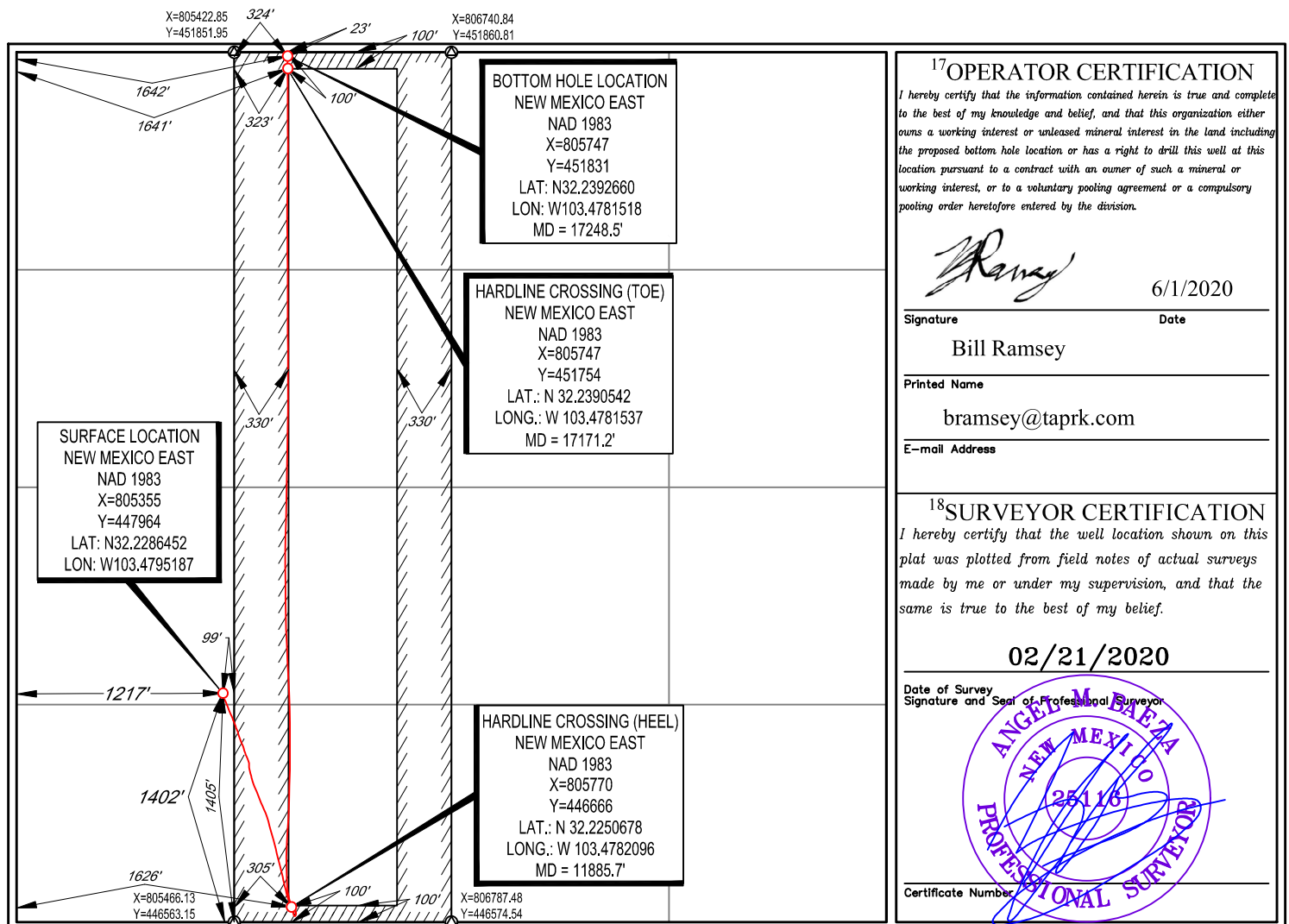
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	9	24-S	34-E	-	1402'	SOUTH	1217'	WEST	LEA

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	-	23'	NORTH	1642'	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.



¹⁷OPERATOR CERTIFICATION

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

Bill Ramsey

6/1/2020

Signature

Date

Bill Ramsey

Printed Name

bramsey@taprk.com

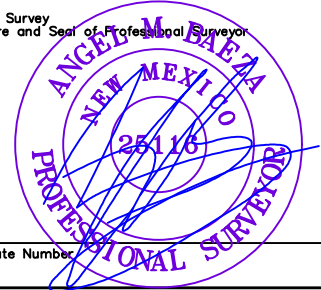
E-mail Address

¹⁸SURVEYOR CERTIFICATION

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

02/21/2020

Date of Survey
Signature and Seal of Professional Surveyor



Certificate Number

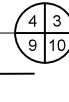
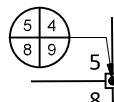
SCALE: 1" = 1000'

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.



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



N 00°36'46" W 2649.54'

N 89°36'53" E 5272.08'

S 00°34'41" E 5281.45'

S 89°30'22" W 5285.59'

N 00°15'05" W 2641.97'

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



SURFACE LOCATION
NEW MEXICO EAST
NAD 1983
X=805355
Y=447964
LAT: N32.2286452
LON: W103.4795187

BOTTOM HOLE LOCATION
NEW MEXICO EAST
NAD 1983
X=805747
Y=451831
LAT: N32.2392660
LON: W103.4781518
MD = 17248.5'

HARDLINE CROSSING (TOE)
NEW MEXICO EAST
NAD 1983
X=805747
Y=451754
LAT: N 32.2390542
LONG.: W 103.4781537
MD = 17171.2'

HARDLINE CROSSING (HEEL)
NEW MEXICO EAST
NAD 1983
X=805770
Y=446666
LAT.: N 32.2250678
LONG.: W 103.4782096
MD = 11885.7'

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



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



LEASE NAME & WELL NO.: THE CONTEST FED COM 211H
SECTION 9 TWP 24-S RGE 34-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 3563'
DESCRIPTION 1402' 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

**TAP
ROCK**

THE CONTEST FED COM 211H PRE-COMPLETION	REVISION:	
	INT	DATE
DATE: 05/28/2020		
FILE: C:\THE_CONTEST_FED_COM_211H		
DRAWN BY: IMU		
SHEET: 1 OF 1		

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.



Tap Rock Resources, LLC

**Lea County, NM (NAD 83 NME)
(Contest Fed) Sec-9_T-24-S_R-34-E
The Contest Fed Com #211H**

OWB

Design: AWB

Standard Survey Report

16 May, 2020





Operator: Taprock Resources LLC
Well Name: The Contest Fed Com #211H
County: Lea
State: New Mexico
Rig Name: H&P 388
API: 30-025-46678

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: 200' MD – 17,179' MD
Projection to Bit: 17,250' MD
Dates Performed: 04/05/2020 – 05/15/2020
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 #211H
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 #211H	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	Latitude:	32° 13' 43.026 N
From:	Map	Easting:	805,330.00 usft	Longitude:	103° 28' 46.561 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.46 °

Well	The Contest Fed Com #211H					
Well Position	+N/-S	0.0 usft	Northing:	447,964.00 usft	Latitude:	32° 13' 43.123 N
	+E/-W	0.0 usft	Easting:	805,355.00 usft	Longitude:	103° 28' 46.269 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	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	47,660.91903631

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	05/16/20		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
200.0	17,250.0	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
200.0	0.75	129.11	200.0	-0.8	1.0	-0.8	0.38	0.38	0.00
242.0	0.97	118.47	242.0	-1.2	1.5	-1.2	0.65	0.52	-25.33
420.0	0.66	123.57	420.0	-2.5	3.7	-2.5	0.18	-0.17	2.87
604.0	0.48	105.20	604.0	-3.2	5.3	-3.3	0.14	-0.10	-9.98
695.0	0.40	67.85	695.0	-3.2	6.0	-3.3	0.32	-0.09	-41.04
878.0	0.31	13.88	878.0	-2.5	6.7	-2.6	0.18	-0.05	-29.49
969.0	0.26	285.64	969.0	-2.2	6.6	-2.3	0.44	-0.05	-96.97
1,064.0	1.01	238.53	1,063.9	-2.6	5.7	-2.6	0.90	0.79	-49.59
1,159.0	1.45	223.68	1,158.9	-3.9	4.1	-3.9	0.57	0.46	-15.63

Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well The Contest Fed Com #211H
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Site:	(Contest Fed) Sec-9_T-24-S_R-34-E	MD Reference:	KB @ 3588.0usft (H&P 388)
Well:	The Contest Fed Com #211H	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)
1,196.1	1.53	219.25	1,196.0	-4.6	3.5	-4.6	0.38	0.22	-11.95
Rustler Anhydrite									
1,348.0	1.93	205.49	1,347.8	-8.5	1.1	-8.5	0.38	0.26	-9.06
1,443.0	2.37	184.22	1,442.8	-11.9	0.3	-11.9	0.95	0.46	-22.39
1,538.0	4.97	162.51	1,537.6	-17.8	1.4	-17.8	3.06	2.74	-22.85
1,632.0	7.87	155.74	1,631.0	-27.5	5.2	-27.6	3.18	3.09	-7.20
1,727.0	9.27	156.00	1,724.9	-40.5	11.0	-40.5	1.47	1.47	0.27
1,727.1	9.27	156.00	1,725.0	-40.5	11.0	-40.5	0.00	0.00	0.00
Top Salt									
1,822.0	8.84	155.56	1,818.7	-54.1	17.1	-54.2	0.46	-0.45	-0.46
1,917.0	8.40	158.55	1,912.7	-67.2	22.7	-67.4	0.66	-0.46	3.15
2,011.0	8.22	158.11	2,005.7	-79.8	27.7	-80.0	0.20	-0.19	-0.47
2,106.0	7.69	158.38	2,099.8	-92.0	32.6	-92.3	0.56	-0.56	0.28
2,201.0	6.86	157.94	2,194.0	-103.2	37.1	-103.5	0.88	-0.87	-0.46
2,296.0	7.65	156.71	2,288.2	-114.3	41.7	-114.6	0.85	0.83	-1.29
2,390.0	8.79	157.94	2,381.3	-126.7	46.9	-127.0	1.23	1.21	1.31
2,485.0	8.22	156.79	2,475.2	-139.6	52.3	-140.0	0.63	-0.60	-1.21
2,579.0	7.34	156.62	2,568.4	-151.3	57.3	-151.8	0.94	-0.94	-0.18
2,674.0	7.03	156.09	2,662.6	-162.2	62.1	-162.7	0.33	-0.33	-0.56
2,769.0	7.60	158.03	2,756.8	-173.4	66.8	-173.8	0.65	0.60	2.04
2,863.0	8.57	161.10	2,849.9	-185.7	71.4	-186.3	1.13	1.03	3.27
2,958.0	8.09	159.87	2,943.9	-198.7	76.0	-199.3	0.54	-0.51	-1.29
3,053.0	7.52	159.08	3,038.0	-210.8	80.5	-211.4	0.61	-0.60	-0.83
3,148.0	7.08	158.73	3,132.2	-222.1	84.8	-222.7	0.47	-0.46	-0.37
3,242.0	8.22	160.84	3,225.4	-233.8	89.1	-234.5	1.25	1.21	2.24
3,337.0	9.85	164.18	3,319.2	-248.0	93.6	-248.7	1.80	1.72	3.52
3,432.0	9.41	162.95	3,412.9	-263.3	98.1	-264.0	0.51	-0.46	-1.29
3,527.0	8.88	160.66	3,506.7	-277.6	102.8	-278.4	0.68	-0.56	-2.41
3,621.0	8.31	159.08	3,599.6	-290.8	107.6	-291.6	0.66	-0.61	-1.68
3,716.0	7.69	156.71	3,693.7	-303.1	112.6	-303.9	0.74	-0.65	-2.49
3,811.0	7.21	153.37	3,787.9	-314.2	117.7	-315.1	0.68	-0.51	-3.52
3,905.0	7.78	158.90	3,881.1	-325.4	122.7	-326.4	0.98	0.61	5.88
4,000.0	8.13	164.70	3,975.2	-337.9	126.8	-338.9	0.92	0.37	6.11
4,095.0	7.96	161.19	4,069.3	-350.6	130.7	-351.6	0.55	-0.18	-3.69
4,190.0	7.65	161.19	4,163.4	-362.8	134.8	-363.8	0.33	-0.33	0.00
4,284.0	7.12	160.22	4,256.6	-374.2	138.8	-375.3	0.58	-0.56	-1.03
4,379.0	6.59	157.50	4,350.9	-384.8	142.9	-385.9	0.65	-0.56	-2.86
4,474.0	8.48	153.98	4,445.1	-396.2	148.0	-397.3	2.05	1.99	-3.71
4,568.0	9.49	156.53	4,537.9	-409.5	154.2	-410.6	1.15	1.07	2.71
4,663.0	9.19	171.91	4,631.7	-424.2	158.4	-425.4	2.64	-0.32	16.19
4,758.0	7.47	188.00	4,725.7	-437.8	158.6	-439.0	3.03	-1.81	16.94
4,853.0	6.15	177.36	4,820.0	-449.0	157.9	-450.2	1.92	-1.39	-11.20
4,948.0	7.08	166.37	4,914.4	-459.8	159.6	-461.0	1.65	0.98	-11.57
5,042.0	10.24	163.83	5,007.3	-473.4	163.3	-474.7	3.39	3.36	-2.70

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Well:	The Contest Fed Com #211H	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)
5,060.0	10.06	163.80	5,025.0	-476.5	164.1	-477.7	1.02	-1.02	-0.17
Base Salt									
5,137.0	9.27	163.65	5,100.9	-488.9	167.8	-490.1	1.02	-1.02	-0.19
5,232.0	7.96	166.29	5,194.9	-502.6	171.5	-503.9	1.44	-1.38	2.78
5,326.0	6.59	166.64	5,288.1	-514.2	174.3	-515.5	1.46	-1.46	0.37
5,330.9	6.51	166.60	5,293.0	-514.8	174.4	-516.0	1.61	-1.61	-0.85
Lamar									
5,332.9	6.48	166.58	5,295.0	-515.0	174.4	-516.3	1.61	-1.61	-0.86
Delaware Mountain Gp									
5,364.0	5.98	166.29	5,325.9	-518.3	175.2	-519.6	1.61	-1.61	-0.94
5,369.1	5.97	166.21	5,331.0	-518.8	175.4	-520.1	0.19	-0.10	-1.52
Bell Canyon									
5,371.2	5.97	166.18	5,333.0	-519.0	175.4	-520.3	0.19	-0.10	-1.52
Ramsey Sand									
5,500.0	5.85	164.18	5,461.2	-531.8	178.8	-533.1	0.19	-0.10	-1.55
5,595.0	6.20	163.21	5,555.6	-541.4	181.6	-542.7	0.38	0.37	-1.02
5,690.0	7.12	160.84	5,650.0	-551.8	185.0	-553.2	1.01	0.97	-2.49
5,784.0	9.32	156.62	5,743.0	-564.3	189.9	-565.7	2.43	2.34	-4.49
5,879.0	11.56	155.74	5,836.4	-580.1	196.9	-581.5	2.36	2.36	-0.93
5,973.0	13.36	158.29	5,928.2	-598.8	204.8	-600.3	2.00	1.91	2.71
6,068.0	14.73	158.38	6,020.4	-620.2	213.3	-621.8	1.44	1.44	0.09
6,163.0	14.20	157.15	6,112.4	-642.1	222.3	-643.8	0.64	-0.56	-1.29
6,258.0	14.46	158.38	6,204.4	-663.9	231.2	-665.6	0.42	0.27	1.29
6,352.0	14.07	156.18	6,295.5	-685.3	240.1	-687.1	0.71	-0.41	-2.34
6,436.0	14.22	154.93	6,377.0	-704.0	248.6	-705.8	0.40	0.18	-1.49
Cherry Canyon									
6,447.0	14.24	154.77	6,387.6	-706.4	249.8	-708.3	0.40	0.18	-1.47
6,541.0	14.33	156.09	6,478.7	-727.5	259.4	-729.4	0.36	0.10	1.40
6,636.0	16.26	163.91	6,570.4	-751.0	267.9	-753.0	2.97	2.03	8.23
6,731.0	17.80	165.32	6,661.2	-777.9	275.2	-779.9	1.68	1.62	1.48
6,826.0	18.73	164.53	6,751.4	-806.6	283.0	-808.7	1.01	0.98	-0.83
6,920.0	18.95	163.74	6,840.4	-835.8	291.3	-838.0	0.36	0.23	-0.84
7,015.0	19.08	163.47	6,930.2	-865.5	300.0	-867.7	0.17	0.14	-0.28
7,110.0	17.27	165.23	7,020.4	-894.0	308.0	-896.3	1.99	-1.91	1.85
7,204.0	16.00	166.46	7,110.5	-920.1	314.6	-922.4	1.40	-1.35	1.31
7,299.0	16.00	166.64	7,201.8	-945.6	320.7	-948.0	0.05	0.00	0.19
7,394.0	16.53	166.46	7,293.0	-971.5	326.9	-973.9	0.56	0.56	-0.19
7,488.0	16.13	167.08	7,383.2	-997.2	332.9	-999.7	0.46	-0.43	0.66
7,583.0	15.69	165.58	7,474.6	-1,022.5	339.1	-1,025.0	0.63	-0.46	-1.58
7,678.0	16.04	164.44	7,566.0	-1,047.6	345.8	-1,050.1	0.49	0.37	-1.20
7,766.2	14.81	165.74	7,651.0	-1,070.2	351.9	-1,072.8	1.45	-1.40	1.48
Brushy Canyon									
7,867.0	13.41	167.52	7,748.8	-1,094.1	357.6	-1,096.8	1.45	-1.39	1.76
7,962.0	12.48	167.17	7,841.3	-1,114.9	362.2	-1,117.6	0.98	-0.98	-0.37
8,057.0	11.78	167.78	7,934.2	-1,134.4	366.5	-1,137.1	0.75	-0.74	0.64

Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well The Contest Fed Com #211H
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 #211H	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)
8,151.0	11.78	167.25	8,026.2	-1,153.1	370.7	-1,155.9	0.12	0.00	-0.56
8,246.0	10.68	165.94	8,119.4	-1,171.1	375.0	-1,173.9	1.19	-1.16	-1.38
8,341.0	9.49	165.67	8,213.0	-1,187.2	379.1	-1,190.1	1.25	-1.25	-0.28
8,435.0	8.09	166.37	8,305.8	-1,201.2	382.5	-1,204.0	1.49	-1.49	0.74
8,530.0	6.99	165.06	8,400.0	-1,213.3	385.6	-1,216.1	1.17	-1.16	-1.38
8,625.0	7.52	166.99	8,494.3	-1,224.9	388.5	-1,227.8	0.61	0.56	2.03
8,719.0	7.34	161.19	8,587.5	-1,236.6	391.8	-1,239.5	0.82	-0.19	-6.17
8,814.0	8.40	154.77	8,681.6	-1,248.6	396.7	-1,251.5	1.45	1.12	-6.76
8,908.0	9.67	150.29	8,774.4	-1,261.7	403.6	-1,264.7	1.54	1.35	-4.77
9,003.0	8.09	147.39	8,868.3	-1,274.2	411.1	-1,277.3	1.73	-1.66	-3.05
9,098.0	6.64	145.28	8,962.5	-1,284.4	417.8	-1,287.5	1.55	-1.53	-2.22
9,110.6	6.52	145.12	8,975.0	-1,285.6	418.7	-1,288.7	0.95	-0.94	-1.24
Bone Spring Lime									
9,179.0	5.88	144.17	9,043.0	-1,291.6	422.9	-1,294.7	0.95	-0.94	-1.40
Upper Avalon									
9,192.0	5.76	143.96	9,055.9	-1,292.7	423.7	-1,295.8	0.95	-0.93	-1.58
9,287.0	4.31	140.27	9,150.6	-1,299.3	428.8	-1,302.4	1.56	-1.53	-3.88
9,382.0	4.75	138.78	9,245.3	-1,305.0	433.7	-1,308.2	0.48	0.46	-1.57
9,471.2	6.49	153.84	9,334.0	-1,312.3	438.3	-1,315.5	2.54	1.95	16.89
Middle Avalon									
9,476.0	6.59	154.42	9,338.8	-1,312.8	438.6	-1,316.0	2.54	2.14	12.05
9,571.0	7.52	165.76	9,433.1	-1,323.7	442.5	-1,327.0	1.76	0.98	11.94
9,666.0	6.02	176.22	9,527.4	-1,334.7	444.3	-1,338.0	2.04	-1.58	11.01
9,760.0	3.47	196.35	9,621.1	-1,342.4	443.8	-1,345.6	3.20	-2.71	21.41
9,808.0	3.17	200.59	9,669.0	-1,345.0	443.0	-1,348.3	0.80	-0.62	8.84
Lower Avalon									
9,855.0	2.90	205.57	9,716.0	-1,347.3	442.0	-1,350.6	0.80	-0.58	10.58
9,950.0	1.01	221.13	9,810.9	-1,350.1	440.4	-1,353.3	2.05	-1.99	16.38
10,044.0	0.66	192.21	9,904.9	-1,351.2	439.7	-1,354.5	0.57	-0.37	-30.77
10,134.1	1.57	241.63	9,995.0	-1,352.3	438.6	-1,355.6	1.38	1.01	54.83
1st Bone Spring Sand									
10,139.0	1.63	242.58	9,999.9	-1,352.4	438.4	-1,355.6	1.38	1.27	19.55
10,234.0	3.12	275.97	10,094.8	-1,352.7	434.7	-1,356.0	2.08	1.57	35.15
10,328.0	2.11	321.24	10,188.7	-1,351.1	431.0	-1,354.3	2.36	-1.07	48.16
10,377.3	2.27	333.76	10,238.0	-1,349.5	430.0	-1,352.7	1.02	0.33	25.38
2nd Bone Spring Carb									
10,423.0	2.51	343.47	10,283.6	-1,347.8	429.3	-1,351.0	1.02	0.51	21.27
10,518.0	2.37	343.03	10,378.5	-1,343.9	428.2	-1,347.1	0.15	-0.15	-0.46
10,612.0	3.08	2.37	10,472.4	-1,339.5	427.7	-1,342.7	1.23	0.76	20.57
10,661.6	3.33	349.34	10,522.0	-1,336.8	427.5	-1,339.9	1.55	0.51	-26.26
2nd Bone Spring Sand									
10,707.0	3.69	339.43	10,567.3	-1,334.1	426.7	-1,337.3	1.55	0.79	-21.84
10,802.0	2.42	328.36	10,662.1	-1,329.5	424.6	-1,332.7	1.47	-1.34	-11.65
10,897.0	1.05	341.36	10,757.1	-1,327.0	423.3	-1,330.1	1.49	-1.44	13.68

Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well The Contest Fed Com #211H
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 #211H	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)
10,991.0	1.10	121.73	10,851.1	-1,326.7	423.8	-1,329.8	2.15	0.05	149.33
11,086.0	1.98	126.38	10,946.1	-1,328.1	425.9	-1,331.3	0.93	0.93	4.89
11,162.0	1.66	127.59	11,022.0	-1,329.6	427.8	-1,332.7	0.42	-0.42	1.59
3rd Bone Spring Carb									
11,181.0	1.58	127.97	11,041.0	-1,329.9	428.2	-1,333.1	0.42	-0.42	2.00
11,276.0	0.84	128.05	11,136.0	-1,331.1	429.8	-1,334.3	0.78	-0.78	0.08
11,370.0	0.40	353.58	11,230.0	-1,331.2	430.3	-1,334.4	1.23	-0.47	-143.05
11,465.0	1.23	300.76	11,325.0	-1,330.4	429.4	-1,333.6	1.09	0.87	-55.60
11,509.0	1.85	283.62	11,369.0	-1,330.0	428.3	-1,333.1	1.74	1.41	-38.95
11,613.0	2.11	270.44	11,472.9	-1,329.6	424.8	-1,332.7	0.50	0.25	-12.67
11,706.1	1.16	246.77	11,566.0	-1,329.9	422.2	-1,333.0	1.23	-1.02	-25.41
3rd Bone Spring Sand									
11,708.0	1.14	245.92	11,567.9	-1,329.9	422.2	-1,333.1	1.23	-0.83	-45.71
11,803.0	10.46	351.30	11,662.3	-1,321.8	420.0	-1,324.9	11.39	9.81	110.93
11,889.2	21.98	347.36	11,745.0	-1,298.2	415.2	-1,301.3	13.42	13.37	-4.57
FTP @ 11889.2'MD, 100'FSL & 1016.5'FEL									
11,898.0	23.16	347.17	11,753.1	-1,294.9	414.5	-1,298.0	13.42	13.39	-2.12
11,950.8	26.50	345.35	11,801.0	-1,273.4	409.2	-1,276.4	6.50	6.33	-3.44
3rd BS W Sand									
11,993.0	29.19	344.18	11,838.3	-1,254.4	404.0	-1,257.4	6.50	6.36	-2.78
12,028.5	31.44	347.20	11,869.0	-1,237.0	399.6	-1,239.9	7.65	6.33	8.51
Wolfcamp A X Sand									
12,088.0	35.34	351.47	11,918.6	-1,204.8	393.6	-1,207.8	7.65	6.56	7.17
12,135.2	40.08	355.17	11,956.0	-1,176.2	390.3	-1,179.1	11.12	10.03	7.84
Wolfcamp A Y Sand									
12,183.0	44.97	358.24	11,991.2	-1,143.9	388.5	-1,146.8	11.12	10.24	6.42
12,227.8	48.06	358.33	12,022.0	-1,111.5	387.5	-1,114.4	6.90	6.89	0.20
Wolfcamp A Lower									
12,278.0	51.52	358.42	12,054.4	-1,073.1	386.4	-1,076.0	6.90	6.89	0.18
12,373.0	63.08	0.09	12,105.7	-993.3	385.5	-996.2	12.26	12.17	1.76
12,468.0	76.75	3.51	12,138.2	-904.4	388.4	-907.3	14.78	14.39	3.60
12,528.0	86.33	3.95	12,147.0	-845.2	392.3	-848.2	15.98	15.97	0.73
12,623.0	89.85	2.28	12,150.2	-750.5	397.4	-753.4	4.10	3.71	-1.76
12,718.0	89.19	2.02	12,151.0	-655.5	401.0	-658.5	0.75	-0.69	-0.27
12,814.0	88.70	1.67	12,152.8	-559.6	404.1	-562.6	0.63	-0.51	-0.36
12,909.0	89.27	0.70	12,154.5	-464.6	406.0	-467.7	1.18	0.60	-1.02
13,003.0	91.47	359.73	12,153.8	-370.6	406.4	-373.7	2.56	2.34	-1.03
13,099.0	90.73	0.35	12,152.0	-274.7	406.5	-277.7	1.01	-0.77	0.65
13,194.0	92.31	359.29	12,149.5	-179.7	406.2	-182.7	2.00	1.66	-1.12
13,288.0	92.35	358.42	12,145.7	-85.8	404.3	-88.8	0.93	0.04	-0.93
13,384.0	92.22	357.80	12,141.8	10.1	401.1	7.1	0.66	-0.14	-0.65
13,478.0	93.54	356.92	12,137.1	103.9	396.8	100.9	1.69	1.40	-0.94
13,573.0	93.36	357.19	12,131.4	198.6	391.9	195.6	0.34	-0.19	0.28
13,667.0	93.98	357.45	12,125.4	292.3	387.5	289.3	0.72	0.66	0.28
13,762.0	94.86	357.80	12,118.1	386.9	383.6	384.0	1.00	0.93	0.37

Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well The Contest Fed Com #211H
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 #211H	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)
13,858.0	95.47	359.21	12,109.4	482.5	381.1	479.6	1.59	0.64	1.47
13,953.0	95.34	359.29	12,100.5	577.0	379.9	574.2	0.16	-0.14	0.08
14,049.0	94.95	0.00	12,091.9	672.7	379.3	669.8	0.84	-0.41	0.74
14,143.0	93.98	359.47	12,084.5	766.4	378.8	763.5	1.18	-1.03	-0.56
14,238.0	92.84	0.52	12,078.9	861.2	378.8	858.3	1.63	-1.20	1.11
14,333.0	93.27	1.23	12,073.8	956.0	380.3	953.2	0.87	0.45	0.75
14,428.0	94.33	1.49	12,067.5	1,050.8	382.5	1,047.9	1.15	1.12	0.27
14,523.0	93.71	1.14	12,060.9	1,145.6	384.7	1,142.6	0.75	-0.65	-0.37
14,617.0	93.32	0.88	12,055.1	1,239.4	386.4	1,236.4	0.50	-0.41	-0.28
14,712.0	92.84	0.96	12,050.0	1,334.2	387.9	1,331.3	0.51	-0.51	0.08
14,807.0	93.49	1.05	12,044.8	1,429.0	389.6	1,426.1	0.69	0.68	0.09
14,902.0	92.97	1.23	12,039.4	1,523.9	391.4	1,520.9	0.58	-0.55	0.19
14,998.0	94.37	0.96	12,033.3	1,619.7	393.3	1,616.7	1.49	1.46	-0.28
15,093.0	94.11	0.35	12,026.2	1,714.4	394.4	1,711.4	0.70	-0.27	-0.64
15,188.0	93.76	359.91	12,019.7	1,809.2	394.6	1,806.2	0.59	-0.37	-0.46
15,283.0	93.49	0.09	12,013.7	1,904.0	394.6	1,901.0	0.34	-0.28	0.19
15,378.0	91.47	0.00	12,009.6	1,998.9	394.6	1,995.9	2.13	-2.13	-0.09
15,473.0	92.31	359.73	12,006.5	2,093.8	394.4	2,090.8	0.93	0.88	-0.28
15,568.0	91.38	359.73	12,003.4	2,188.8	394.0	2,185.8	0.98	-0.98	0.00
15,663.0	90.51	359.21	12,001.8	2,283.8	393.1	2,280.8	1.07	-0.92	-0.55
15,758.0	94.86	0.44	11,997.4	2,378.6	392.8	2,375.6	4.76	4.58	1.29
15,854.0	94.95	0.00	11,989.2	2,474.3	393.2	2,471.3	0.47	0.09	-0.46
15,949.0	94.73	359.91	11,981.2	2,568.9	393.1	2,565.9	0.25	-0.23	-0.09
16,044.0	90.55	359.21	11,976.8	2,663.8	392.4	2,660.8	4.46	-4.40	-0.74
16,139.0	89.80	358.86	11,976.5	2,758.8	390.8	2,755.8	0.87	-0.79	-0.37
16,234.0	92.57	359.73	11,974.5	2,853.8	389.6	2,850.8	3.06	2.92	0.92
16,329.0	94.68	0.44	11,968.5	2,948.6	389.7	2,945.6	2.34	2.22	0.75
16,424.0	96.66	1.05	11,959.1	3,043.1	391.0	3,040.1	2.18	2.08	0.64
16,519.0	96.62	0.61	11,948.2	3,137.4	392.3	3,134.4	0.46	-0.04	-0.46
16,614.0	96.44	1.05	11,937.4	3,231.8	393.7	3,228.8	0.50	-0.19	0.46
16,709.0	92.00	359.82	11,930.4	3,326.5	394.4	3,323.5	4.85	-4.67	-1.29
16,804.0	90.42	359.12	11,928.4	3,421.5	393.5	3,418.5	1.82	-1.66	-0.74
16,899.0	91.65	359.82	11,926.6	3,516.5	392.7	3,513.4	1.49	1.29	0.74
16,993.0	91.74	0.26	11,923.9	3,610.4	392.7	3,607.4	0.48	0.10	0.47
17,089.0	90.51	359.38	11,922.0	3,706.4	392.4	3,703.4	1.58	-1.28	-0.92
17,172.7	93.53	359.96	11,919.0	3,790.1	391.9	3,787.0	3.68	3.61	0.69
LTP @ 17172.7'MD, 100'FNL & 994.8'FEL									
17,179.0	93.76	0.00	11,918.6	3,796.3	391.9	3,793.3	3.68	3.61	0.69
LAST SVY									
17,250.0	93.76	0.00	11,914.0	3,867.2	391.9	3,864.1	0.00	0.00	0.00
Projection to TD @ 17250'MD, 22.9'FNL & 994.1'FEL									

Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well The Contest Fed Com #211H
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 #211H	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
LTP (The Contest Fec	- actual wellpath misses target center by 15.6usft at 17172.2usft MD (11919.1 TVD, 3789.5 N, 391.9 E)	- Point	0.00	0.00	11,931.0	3,790.0	402.0	451,754.00	805,757.00	32° 14' 20.593 N	103° 28' 41.238 W
PBHL (The Contest Fc	- actual wellpath misses target center by 19.3usft at 17241.7usft MD (11914.5 TVD, 3858.9 N, 391.9 E)	- Rectangle (sides W100.0 H5,159.9 D30.0)	-2.80	359.57	11,931.0	3,860.0	402.0	451,824.00	805,757.00	32° 14' 21.286 N	103° 28' 41.232 W
FTP (The Contest Fec	- actual wellpath misses target center by 230.7usft at 12183.0usft MD (11991.2 TVD, -1143.9 N, 388.5 E)	- Point	0.00	0.00	12,155.0	-1,298.0	440.0	446,666.00	805,795.00	32° 13' 30.244 N	103° 28' 41.268 W

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,196.1	1,196.0	Rustler Anhydrite			
1,727.1	1,725.0	Top Salt			
5,060.0	5,025.0	Base Salt			
5,330.9	5,293.0	Lamar			
5,332.9	5,295.0	Delaware Mountain Gp			
5,369.1	5,331.0	Bell Canyon			
5,371.2	5,333.0	Ramsey Sand			
6,436.0	6,377.0	Cherry Canyon			
7,766.2	7,651.0	Brushy Canyon			
9,110.6	8,975.0	Bone Spring Lime			
9,179.0	9,043.0	Upper Avalon			
9,471.2	9,334.0	Middle Avalon			
9,808.0	9,669.0	Lower Avalon			
10,134.1	9,995.0	1st Bone Spring Sand			
10,377.3	10,238.0	2nd Bone Spring Carb			
10,661.6	10,522.0	2nd Bone Spring Sand			
11,162.0	11,022.0	3rd Bone Spring Carb			
11,706.1	11,566.0	3rd Bone Spring Sand			
11,950.8	11,801.0	3rd BS W Sand			
12,028.5	11,869.0	Wolfcamp A X Sand			
12,135.2	11,956.0	Wolfcamp A Y Sand			
12,227.8	12,022.0	Wolfcamp A Lower			

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment
11,889.2	11,745.0	-1,298.2	415.2	FTP @ 11889.2'MD, 100'FSL & 1016.5'FEL
17,172.7	11,919.0	3,790.1	391.9	LTP @ 17172.7'MD, 100'FNL & 994.8'FEL
17,179.0	11,918.6	3,796.3	391.9	LAST SVY
17,250.0	11,914.0	3,867.2	391.9	Projection to TD @ 17250'MD, 22.9'FNL & 994.1'FEL



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well The Contest Fed Com #211H
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 #211H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Checked By: _____	Approved By: _____	Date: _____
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