

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

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

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 25-48647	⁵ Pool Name WC-025 G-09 S243310P; UPPER WOLFCAMP		⁶ Pool Code 98135
⁷ Property Code 328891	⁸ Property Name APOLLO STATE COM		⁹ Well Number 136H

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
O	21	24-S	33-E	-	848'	SOUTH	1835'	EAST	LEA

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
B	16	24-S	33-E	-	28'	NORTH	1656'	EAST	LEA
¹² Lse Code S	¹³ Producing Method Code F		¹⁴ Gas Connection Date 10/15/2021		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
34053	PLAINS ALL AMERICAN 333 CLAY STREET SUITE 1600 HOUSTON, TX 77002	O
371960	LUCID ENERGY GROUP 3100 MCKINNON ST #800 DALLAS, TX 75201	G

IV. Well Completion Data

²¹ Spud Date 5/31/2021	²² Ready Date 10/15/2021	²³ TD 22795'	²⁴ PBTD 22730'	²⁵ Perforations 12615' - 22646'	²⁶ DHC, MC
²⁷ Hole Size		²⁸ Casing & Tubing Size	²⁹ Depth Set		³⁰ Sacks Cement
17.5"		13.375"	1234'		895 SKS
9.785"		7.625"	11818'		1234 SKS
6.75"		5.5"	22776'		921 SKS

V. Well Test Data

³¹ Date New Oil 10/26/2021	³² Gas Delivery Date 10/26/2021	³³ Test Date 11/1/2021	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure 0	³⁶ Csg. Pressure 2600
³⁷ Choke Size 39/64	³⁸ Oil 1837	³⁹ Water 6589	⁴⁰ Gas 6281		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: JEFF TRLICA		Approved by: 	
Title: REGULATORY ANALYST		Title: Engineer	
E-mail Address: JTRLICA@GMAIL.COM		Approval Date: 04/08/22	
Date: 11/5/2021	Phone: 720-772-5910		

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 30-025-48647	² Pool Code 98135	³ Pool Name WC-025 G-09 S243310P; UPPER WOLFCAMP
⁴ Property Code 328891	⁵ Property Name APOLLO STATE COM	⁶ Well Number 136H
⁷ OGRID No. #372043	⁸ Operator Name TAP ROCK OPERATING, LLC.	⁹ Elevation 3541'

¹⁰Surface Location

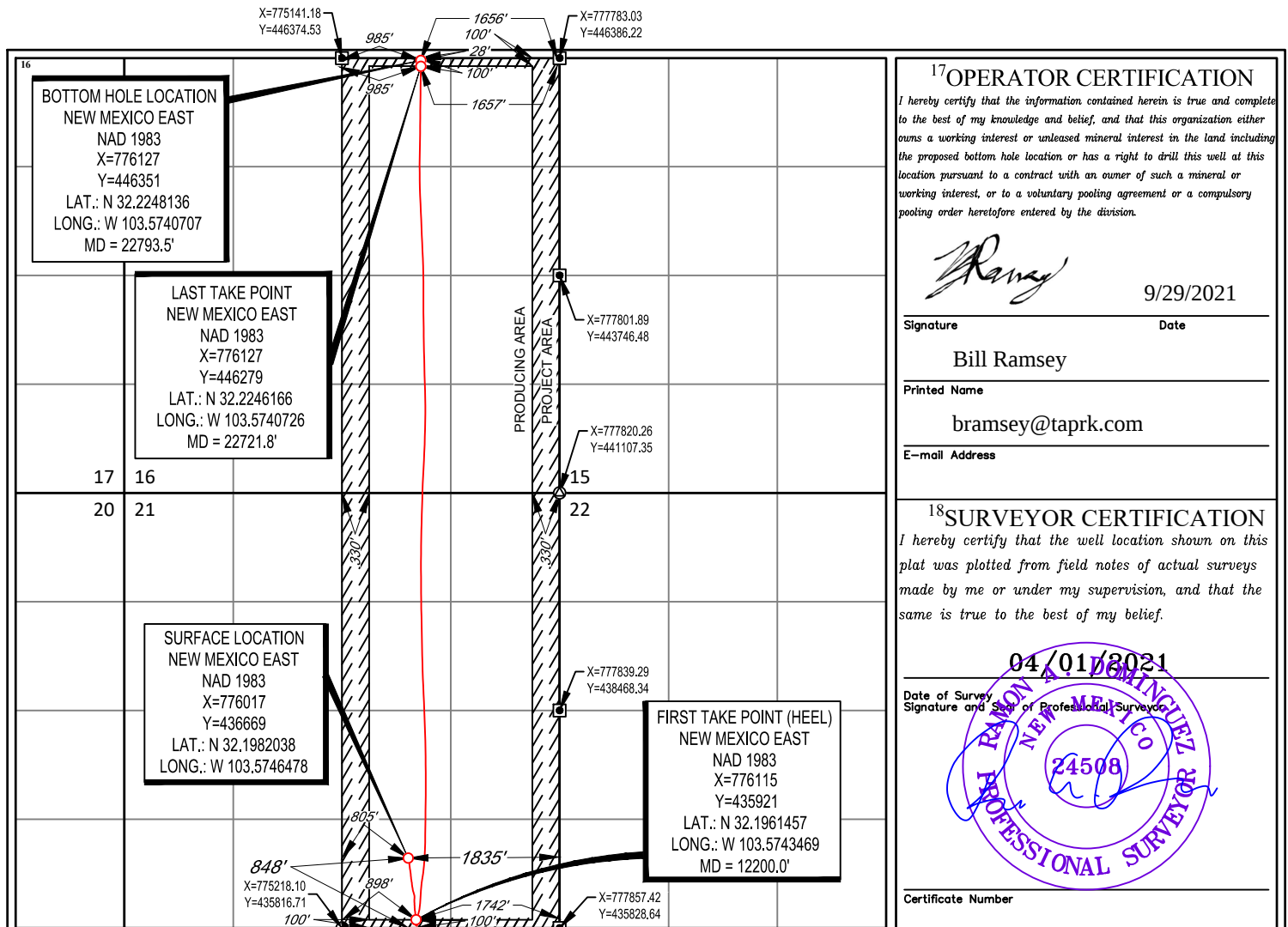
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	21	24-S	33-E	-	848'	SOUTH	1835'	EAST	LEA

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
B	16	24-S	33-E	-	28'	NORTH	1656'	EAST	LEA

¹² Dedicated Acres 320	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

9/29/2021

Signature

Date

Bill Ramsey

Printed Name

bramsey@taprk.com

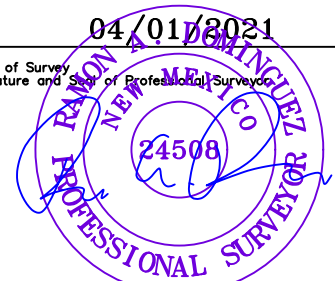
E-mail Address

¹⁸SURVEYOR CERTIFICATION

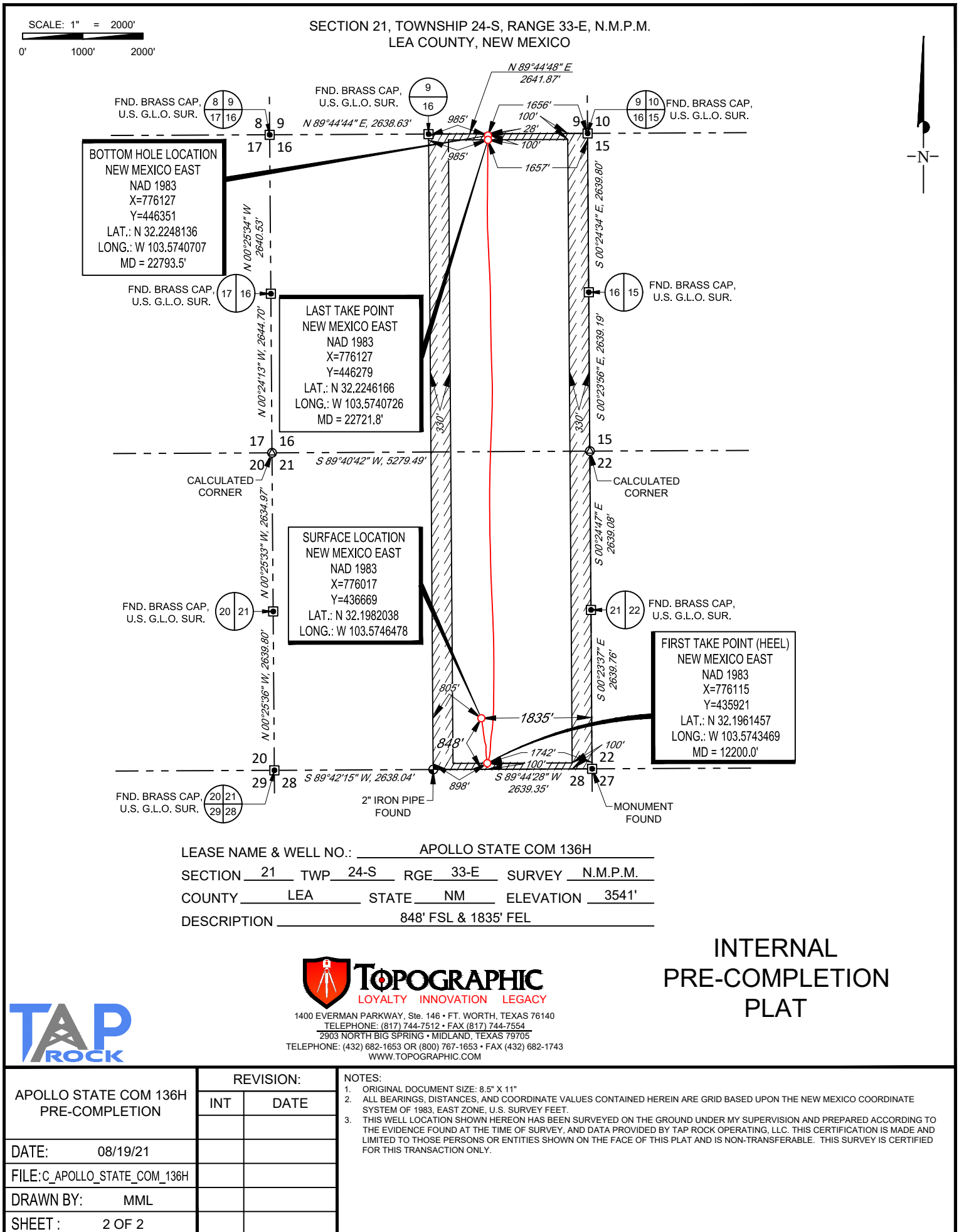
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.

04/01/2021

Date of Survey
Signature and Seal of Professional Surveyor



Certificate Number





Operator: TapRock Resources LLC
Well Name: Apollo State Com #136H
County: Lea
State: New Mexico
Rig Name: H&P 388
API: 30-025-48647

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: 142' MD – 22725' MD
Projection to Bit: 22795' MD
Dates Performed: 05/31/2021 – 08/07/2021
Type of Survey: MWD

Sincerely,

A handwritten signature in black ink, appearing to read "T. Henk".

Travis Henk
MWD Operations Manager
Intrepid Directional Drilling Specialists





Tap Rock Resources, LLC

**Lea County, NM (NAD 83 NME)
(Apollo State Com) Sec-21_T-24-S_R-33-E
Apollo State Com #136H**

OWB

Design: AWB

Standard Survey Report

11 August, 2021





Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Apollo State Com #136H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3567.0usft (H&P 388)
Site:	(Apollo State Com) Sec-21_T-24-S_R-33-E	MD Reference:	KB @ 3567.0usft (H&P 388)
Well:	Apollo State Com #136H	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	(Apollo State Com) Sec-21_T-24-S_R-33-E		
Site Position:		Northing:	436,694.00 usft
From:	Map	Easting:	776,122.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 11' 53.775 N
		Longitude:	103° 34' 27.504 W
		Grid Convergence:	0.40 °

Well	Apollo State Com #136H		
Well Position	+N/-S	0.0 usft	Northing: 436,669.00 usft
	+E/-W	0.0 usft	Easting: 776,017.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 11' 53.535 N
		Longitude:	103° 34' 28.728 W
		Ground Level:	3,541.0 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	07/29/21	6.37	59.78	47,615.25408988

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	359.59	

Survey Program	Date	08/11/21			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
142.0	22,795.0	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	
142.0	1.10	87.45	142.0	0.1	1.4	0.1	0.77	0.77	0.00	
231.0	1.49	71.19	231.0	0.5	3.3	0.4	0.60	0.44	-18.27	
325.0	1.14	74.62	324.9	1.1	5.4	1.1	0.38	-0.37	3.65	
413.0	0.62	89.65	412.9	1.3	6.7	1.3	0.64	-0.59	17.08	
501.0	0.53	117.43	500.9	1.2	7.5	1.1	0.33	-0.10	31.57	
682.0	0.53	115.49	681.9	0.4	9.0	0.4	0.01	0.00	-1.07	
864.0	0.40	110.39	863.9	-0.2	10.4	-0.2	0.07	-0.07	-2.80	
954.0	0.09	92.02	953.9	-0.3	10.7	-0.4	0.35	-0.34	-20.41	
1,045.0	0.13	332.85	1,044.9	-0.2	10.8	-0.3	0.21	0.04	-130.96	



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Apollo State Com #136H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3567.0usft (H&P 388)
Site:	(Apollo State Com) Sec-21_T-24-S_R-33-E	MD Reference:	KB @ 3567.0usft (H&P 388)
Well:	Apollo State Com #136H	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)
1,135.0	0.57	355.26	1,134.9	0.3	10.7	0.3	0.50	0.49	24.90
1,183.0	0.79	6.95	1,182.9	0.9	10.7	0.8	0.54	0.46	24.35
1,318.0	1.27	344.36	1,317.9	3.3	10.4	3.2	0.46	0.36	-16.73
1,413.0	0.84	156.27	1,412.9	3.7	10.4	3.6	2.22	-0.45	180.96
1,507.0	2.99	189.32	1,506.8	0.6	10.3	0.5	2.48	2.29	35.16
1,603.0	5.23	174.64	1,602.6	-6.2	10.3	-6.3	2.56	2.33	-15.29
1,698.0	7.08	176.84	1,697.0	-16.4	11.0	-16.5	1.96	1.95	2.32
1,791.0	7.56	177.37	1,789.3	-28.2	11.6	-28.3	0.52	0.52	0.57
1,886.0	8.00	173.15	1,883.4	-41.0	12.7	-41.1	0.76	0.46	-4.44
1,981.0	7.91	174.29	1,977.5	-54.1	14.1	-54.2	0.19	-0.09	1.20
2,076.0	7.38	175.43	2,071.6	-66.7	15.3	-66.8	0.58	-0.56	1.20
2,171.0	7.08	174.64	2,165.9	-78.6	16.3	-78.7	0.33	-0.32	-0.83
2,361.0	9.05	172.62	2,354.0	-105.1	19.3	-105.2	1.05	1.04	-1.06
2,456.0	8.84	173.06	2,447.8	-119.7	21.2	-119.9	0.23	-0.22	0.46
2,551.0	8.75	167.08	2,541.7	-134.0	23.7	-134.2	0.97	-0.09	-6.29
2,646.0	8.18	174.55	2,635.7	-147.8	25.9	-148.0	1.30	-0.60	7.86
2,742.0	8.18	169.63	2,730.7	-161.3	27.8	-161.5	0.73	0.00	-5.13
2,834.0	7.91	170.51	2,821.8	-174.0	30.0	-174.2	0.32	-0.29	0.96
2,929.0	7.69	174.64	2,915.9	-186.8	31.7	-187.0	0.63	-0.23	4.35
3,024.0	7.34	177.10	3,010.1	-199.1	32.6	-199.4	0.50	-0.37	2.59
3,119.0	7.21	176.93	3,104.3	-211.2	33.2	-211.4	0.14	-0.14	-0.18
3,213.0	7.43	171.39	3,197.6	-223.1	34.4	-223.3	0.79	0.23	-5.89
3,307.0	7.08	174.64	3,290.8	-234.8	35.9	-235.1	0.57	-0.37	3.46
3,403.0	7.87	170.69	3,386.0	-247.2	37.5	-247.5	0.98	0.82	-4.11
3,498.0	8.84	168.40	3,480.0	-260.8	40.0	-261.1	1.08	1.02	-2.41
3,593.0	8.48	173.15	3,573.9	-274.9	42.3	-275.2	0.84	-0.38	5.00
3,688.0	7.96	169.46	3,667.9	-288.3	44.4	-288.6	0.78	-0.55	-3.88
3,783.0	7.21	174.20	3,762.1	-300.7	46.2	-301.0	1.03	-0.79	4.99
3,878.0	7.30	170.95	3,856.4	-312.6	47.7	-312.9	0.44	0.09	-3.42
3,974.0	7.47	172.27	3,951.6	-324.8	49.5	-325.2	0.25	0.18	1.38
4,068.0	7.03	171.04	4,044.8	-336.5	51.2	-336.9	0.50	-0.47	-1.31
4,164.0	8.18	173.15	4,140.0	-349.1	53.0	-349.5	1.23	1.20	2.20
4,259.0	8.35	170.60	4,234.0	-362.6	54.9	-363.0	0.43	0.18	-2.68
4,354.0	7.74	174.29	4,328.0	-375.8	56.7	-376.2	0.84	-0.64	3.88
4,449.0	7.96	166.03	4,422.2	-388.6	58.9	-389.0	1.21	0.23	-8.69
4,544.0	8.48	162.25	4,516.2	-401.6	62.6	-402.1	0.79	0.55	-3.98
4,639.0	8.79	163.39	4,610.1	-415.2	66.8	-415.7	0.37	0.33	1.20
4,734.0	9.58	161.72	4,703.9	-429.7	71.4	-430.2	0.88	0.83	-1.76
4,827.0	9.89	165.85	4,795.5	-444.8	75.8	-445.3	0.82	0.33	4.44
4,923.0	9.93	174.20	4,890.1	-461.0	78.6	-461.6	1.50	0.04	8.70
5,018.0	8.31	181.06	4,983.9	-476.0	79.3	-476.6	2.05	-1.71	7.22
5,112.0	7.47	182.99	5,077.0	-488.9	78.9	-489.5	0.94	-0.89	2.05
5,207.0	6.51	182.64	5,171.3	-500.5	78.3	-501.0	1.01	-1.01	-0.37
5,301.0	6.07	178.25	5,264.8	-510.8	78.2	-511.3	0.69	-0.47	-4.67



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Apollo State Com #136H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3567.0usft (H&P 388)
Site:	(Apollo State Com) Sec-21_T-24-S_R-33-E	MD Reference:	KB @ 3567.0usft (H&P 388)
Well:	Apollo State Com #136H	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)
5,394.0	6.95	177.81	5,357.2	-521.3	78.6	-521.9	0.95	0.95	-0.47
5,489.0	7.52	180.44	5,451.4	-533.3	78.7	-533.8	0.69	0.60	2.77
5,584.0	7.34	177.10	5,545.6	-545.5	79.0	-546.1	0.49	-0.19	-3.52
5,679.0	7.16	179.74	5,639.8	-557.5	79.3	-558.1	0.40	-0.19	2.78
5,774.0	6.99	175.61	5,734.1	-569.2	79.8	-569.8	0.56	-0.18	-4.35
5,868.0	6.95	174.99	5,827.4	-580.6	80.7	-581.1	0.09	-0.04	-0.66
5,963.0	6.90	179.04	5,921.7	-592.0	81.3	-592.6	0.52	-0.05	4.26
6,057.0	7.08	177.02	6,015.0	-603.4	81.7	-604.0	0.32	0.19	-2.15
6,151.0	6.73	173.85	6,108.3	-614.7	82.6	-615.3	0.55	-0.37	-3.37
6,245.0	7.12	173.76	6,201.7	-626.0	83.8	-626.6	0.42	0.41	-0.10
6,340.0	7.56	168.49	6,295.9	-638.0	85.7	-638.5	0.85	0.46	-5.55
6,435.0	7.30	173.15	6,390.1	-650.1	87.7	-650.7	0.69	-0.27	4.91
6,530.0	7.16	173.15	6,484.3	-661.9	89.1	-662.6	0.15	-0.15	0.00
6,622.0	8.04	170.42	6,575.5	-674.0	90.9	-674.6	1.03	0.96	-2.97
6,717.0	9.01	170.69	6,669.5	-687.9	93.2	-688.5	1.02	1.02	0.28
6,812.0	8.88	173.06	6,763.3	-702.5	95.3	-703.1	0.41	-0.14	2.49
6,907.0	8.18	170.16	6,857.3	-716.4	97.3	-717.1	0.86	-0.74	-3.05
7,002.0	7.65	169.54	6,951.4	-729.3	99.6	-730.0	0.57	-0.56	-0.65
7,097.0	7.25	171.04	7,045.6	-741.4	101.7	-742.1	0.47	-0.42	1.58
7,191.0	6.95	170.86	7,138.8	-752.9	103.5	-753.6	0.32	-0.32	-0.19
7,284.0	6.46	170.16	7,231.2	-763.6	105.3	-764.4	0.53	-0.53	-0.75
7,379.0	6.59	172.27	7,325.6	-774.3	107.0	-775.0	0.29	0.14	2.22
7,472.0	5.93	173.06	7,418.0	-784.3	108.3	-785.1	0.72	-0.71	0.85
7,565.0	5.54	179.56	7,510.6	-793.6	108.9	-794.4	0.81	-0.42	6.99
7,660.0	4.97	175.43	7,605.2	-802.3	109.2	-803.1	0.72	-0.60	-4.35
7,755.0	4.44	174.91	7,699.8	-810.1	109.9	-810.8	0.56	-0.56	-0.55
7,850.0	3.30	177.72	7,794.6	-816.5	110.3	-817.2	1.22	-1.20	2.96
7,944.0	1.67	182.02	7,888.5	-820.5	110.4	-821.3	1.74	-1.73	4.57
8,038.0	0.57	227.20	7,982.5	-822.2	110.0	-823.0	1.42	-1.17	48.06
8,133.0	1.41	340.05	8,077.5	-821.4	109.3	-822.2	1.80	0.88	118.79
8,228.0	1.36	326.96	8,172.5	-819.4	108.2	-820.1	0.34	-0.05	-13.78
8,322.0	1.05	318.34	8,266.5	-817.8	107.1	-818.6	0.38	-0.33	-9.17
8,417.0	0.97	310.52	8,361.4	-816.6	105.9	-817.4	0.17	-0.08	-8.23
8,511.0	0.62	303.67	8,455.4	-815.8	104.8	-816.6	0.39	-0.37	-7.29
8,606.0	0.48	290.57	8,550.4	-815.4	104.0	-816.1	0.20	-0.15	-13.79
8,701.0	0.70	286.26	8,645.4	-815.1	103.1	-815.8	0.24	0.23	-4.54
8,794.0	0.35	283.98	8,738.4	-814.9	102.3	-815.6	0.38	-0.38	-2.45
8,888.0	0.53	329.77	8,832.4	-814.4	101.8	-815.1	0.40	0.19	48.71
8,982.0	0.48	257.70	8,926.4	-814.2	101.2	-814.9	0.63	-0.05	-76.67
9,076.0	0.44	243.11	9,020.4	-814.4	100.5	-815.1	0.13	-0.04	-15.52
9,171.0	0.57	292.06	9,115.4	-814.4	99.7	-815.1	0.46	0.14	51.53
9,264.0	0.66	257.87	9,208.4	-814.3	98.8	-815.0	0.40	0.10	-36.76
9,358.0	0.57	318.78	9,302.4	-814.1	97.9	-814.8	0.67	-0.10	64.80



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Apollo State Com #136H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3567.0usft (H&P 388)
Site:	(Apollo State Com) Sec-21_T-24-S_R-33-E	MD Reference:	KB @ 3567.0usft (H&P 388)
Well:	Apollo State Com #136H	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)
9,452.0	0.53	22.33	9,396.4	-813.3	97.8	-814.0	0.62	-0.04	67.61
9,547.0	1.10	64.25	9,491.4	-812.5	98.8	-813.2	0.83	0.60	44.13
9,641.0	0.97	40.43	9,585.4	-811.5	100.1	-812.2	0.47	-0.14	-25.34
9,734.0	0.40	351.57	9,678.4	-810.6	100.6	-811.3	0.83	-0.61	-52.54
9,828.0	0.92	357.63	9,772.4	-809.5	100.5	-810.2	0.56	0.55	6.45
9,923.0	0.75	347.96	9,867.4	-808.2	100.3	-808.9	0.23	-0.18	-10.18
10,019.0	0.35	178.51	9,963.3	-807.8	100.2	-808.5	1.14	-0.42	-176.51
10,114.0	0.66	218.24	10,058.3	-808.6	99.9	-809.3	0.47	0.33	41.82
10,209.0	0.62	191.69	10,153.3	-809.5	99.4	-810.2	0.31	-0.04	-27.95
10,304.0	0.44	212.17	10,248.3	-810.3	99.1	-811.0	0.27	-0.19	21.56
10,399.0	0.44	236.69	10,343.3	-810.8	98.6	-811.5	0.20	0.00	25.81
10,492.0	0.48	319.22	10,436.3	-810.7	98.1	-811.4	0.65	0.04	88.74
10,586.0	1.41	353.41	10,530.3	-809.3	97.7	-809.9	1.12	0.99	36.37
10,681.0	1.05	344.80	10,625.3	-807.3	97.3	-807.9	0.42	-0.38	-9.06
10,776.0	0.70	291.27	10,720.3	-806.2	96.6	-806.9	0.89	-0.37	-56.35
10,870.0	0.97	315.00	10,814.3	-805.4	95.5	-806.1	0.46	0.29	25.24
10,965.0	1.41	287.67	10,909.3	-804.5	93.8	-805.2	0.74	0.46	-28.77
11,058.0	2.29	278.88	11,002.2	-803.9	90.9	-804.5	0.99	0.95	-9.45
11,153.0	2.59	278.35	11,097.1	-803.3	86.9	-803.9	0.32	0.32	-0.56
11,247.0	1.76	272.55	11,191.1	-802.9	83.3	-803.5	0.91	-0.88	-6.17
11,342.0	0.62	205.93	11,286.0	-803.3	81.6	-803.9	1.70	-1.20	-70.13
11,435.0	1.05	264.03	11,379.0	-803.9	80.6	-804.4	0.96	0.46	62.47
11,529.0	0.92	275.10	11,473.0	-803.9	79.0	-804.4	0.24	-0.14	11.78
11,624.0	0.48	355.96	11,568.0	-803.4	78.2	-803.9	1.02	-0.46	85.12
11,719.0	0.88	88.25	11,663.0	-803.0	78.9	-803.5	1.07	0.42	97.15
11,777.0	0.70	55.55	11,721.0	-802.8	79.6	-803.3	0.82	-0.31	-56.38
11,858.0	0.22	18.26	11,802.0	-802.3	80.1	-802.9	0.67	-0.59	-46.04
11,952.0	0.79	332.47	11,896.0	-801.6	79.8	-802.2	0.70	0.61	-48.71
12,047.0	8.22	11.76	11,990.6	-794.4	80.9	-794.9	8.03	7.82	41.36
12,141.0	22.02	20.99	12,081.2	-771.2	88.6	-771.8	14.86	14.68	9.82
12,235.0	31.56	25.65	12,165.0	-732.5	105.6	-733.2	10.38	10.15	4.96
12,330.0	36.35	18.62	12,243.8	-683.4	125.4	-684.2	6.51	5.04	-7.40
12,425.0	46.37	8.77	12,315.1	-622.5	139.7	-623.5	12.55	10.55	-10.37
12,521.0	53.63	4.47	12,376.8	-549.5	148.0	-550.5	8.30	7.56	-4.48
12,615.0	57.10	3.06	12,430.2	-472.3	153.1	-473.4	3.89	3.69	-1.50
12,710.0	62.95	1.92	12,477.6	-390.1	156.6	-391.3	6.24	6.16	-1.20
12,805.0	82.02	8.42	12,506.1	-300.4	165.0	-301.6	21.10	20.07	6.84
12,850.0	88.44	10.09	12,509.9	-256.2	172.2	-257.4	14.74	14.27	3.71
12,923.0	90.64	6.75	12,510.5	-184.0	182.9	-185.3	5.48	3.01	-4.58
13,016.0	89.80	4.55	12,510.1	-91.4	192.0	-92.8	2.53	-0.90	-2.37
13,110.0	88.48	3.85	12,511.5	2.3	198.9	0.9	1.59	-1.40	-0.74
13,204.0	87.69	2.18	12,514.6	96.1	203.9	94.6	1.96	-0.84	-1.78
13,299.0	89.05	0.51	12,517.4	191.0	206.1	189.6	2.27	1.43	-1.76



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Apollo State Com #136H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3567.0usft (H&P 388)
Site:	(Apollo State Com) Sec-21_T-24-S_R-33-E	MD Reference:	KB @ 3567.0usft (H&P 388)
Well:	Apollo State Com #136H	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)
13,393.0	90.77	0.07	12,517.5	285.0	206.6	283.5	1.89	1.83	-0.47
13,487.0	90.46	0.33	12,516.5	379.0	206.9	377.5	0.43	-0.33	0.28
13,581.0	90.51	0.60	12,515.7	473.0	207.7	471.5	0.29	0.05	0.29
13,676.0	90.11	0.60	12,515.2	568.0	208.7	566.5	0.42	-0.42	0.00
13,771.0	89.89	0.95	12,515.2	663.0	209.9	661.5	0.44	-0.23	0.37
13,867.0	89.89	359.98	12,515.4	759.0	210.7	757.5	1.01	0.00	-1.01
13,959.0	89.54	359.90	12,515.8	851.0	210.6	849.5	0.39	-0.38	-0.09
14,054.0	90.86	359.10	12,515.5	946.0	209.8	944.5	1.62	1.39	-0.84
14,149.0	92.13	359.28	12,513.0	1,040.9	208.5	1,039.4	1.35	1.34	0.19
14,249.0	92.40	359.81	12,509.1	1,140.9	207.7	1,139.3	0.59	0.27	0.53
14,343.0	91.38	359.19	12,506.0	1,234.8	206.8	1,233.3	1.27	-1.09	-0.66
14,438.0	90.33	358.58	12,504.5	1,329.8	205.0	1,328.3	1.28	-1.11	-0.64
14,532.0	90.24	357.52	12,504.1	1,423.7	201.8	1,422.2	1.13	-0.10	-1.13
14,627.0	90.11	357.96	12,503.8	1,518.6	198.1	1,517.2	0.48	-0.14	0.46
14,721.0	89.76	357.87	12,503.9	1,612.6	194.6	1,611.1	0.38	-0.37	-0.10
14,816.0	89.10	357.70	12,504.8	1,707.5	191.0	1,706.1	0.72	-0.69	-0.18
14,911.0	89.49	357.52	12,506.0	1,802.4	187.0	1,801.0	0.45	0.41	-0.19
15,005.0	88.97	357.43	12,507.3	1,896.3	182.9	1,895.0	0.56	-0.55	-0.10
15,100.0	88.31	357.26	12,509.5	1,991.2	178.5	1,989.9	0.72	-0.69	-0.18
15,195.0	88.18	357.26	12,512.4	2,086.0	173.9	2,084.7	0.14	-0.14	0.00
15,290.0	87.91	357.70	12,515.7	2,180.9	169.7	2,179.6	0.54	-0.28	0.46
15,384.0	88.44	357.61	12,518.7	2,274.8	165.9	2,273.5	0.57	0.56	-0.10
15,477.0	88.70	358.05	12,521.0	2,367.7	162.4	2,366.4	0.55	0.28	0.47
15,573.0	90.07	358.67	12,522.0	2,463.6	159.6	2,462.4	1.57	1.43	0.65
15,668.0	90.33	358.40	12,521.7	2,558.6	157.2	2,557.4	0.39	0.27	-0.28
15,762.0	89.41	358.67	12,521.9	2,652.5	154.8	2,651.4	1.02	-0.98	0.29
15,857.0	91.47	359.28	12,521.2	2,747.5	153.1	2,746.4	2.26	2.17	0.64
15,951.0	91.82	358.23	12,518.5	2,841.5	151.1	2,840.3	1.18	0.37	-1.12
16,046.0	91.65	358.40	12,515.6	2,936.4	148.3	2,935.2	0.25	-0.18	0.18
16,140.0	91.87	358.49	12,512.7	3,030.3	145.7	3,029.2	0.25	0.23	0.10
16,234.0	90.55	359.46	12,510.7	3,124.3	144.0	3,123.1	1.74	-1.40	1.03
16,329.0	89.54	359.28	12,510.6	3,219.3	143.0	3,218.1	1.08	-1.06	-0.19
16,424.0	89.54	359.72	12,511.4	3,314.2	142.2	3,313.1	0.46	0.00	0.46
16,518.0	90.29	359.19	12,511.6	3,408.2	141.3	3,407.1	0.98	0.80	-0.56
16,613.0	90.24	359.54	12,511.1	3,503.2	140.2	3,502.1	0.37	-0.05	0.37
16,708.0	91.52	0.25	12,509.7	3,598.2	140.0	3,597.1	1.54	1.35	0.75
16,802.0	90.99	359.90	12,507.6	3,692.2	140.2	3,691.1	0.68	-0.56	-0.37
16,897.0	89.63	0.07	12,507.1	3,787.2	140.1	3,786.1	1.44	-1.43	0.18
16,992.0	90.59	0.86	12,506.9	3,882.2	140.9	3,881.1	1.31	1.01	0.83
17,087.0	89.58	1.65	12,506.8	3,977.2	143.0	3,976.0	1.35	-1.06	0.83
17,182.0	89.98	0.42	12,507.1	4,072.1	144.7	4,071.0	1.36	0.42	-1.29
17,277.0	90.99	2.18	12,506.3	4,167.1	146.9	4,166.0	2.14	1.06	1.85
17,372.0	90.02	2.00	12,505.5	4,262.0	150.3	4,260.9	1.04	-1.02	-0.19
17,467.0	89.36	0.69	12,506.0	4,357.0	152.6	4,355.8	1.54	-0.69	-1.38



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Apollo State Com #136H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3567.0usft (H&P 388)
Site:	(Apollo State Com) Sec-21_T-24-S_R-33-E	MD Reference:	KB @ 3567.0usft (H&P 388)
Well:	Apollo State Com #136H	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)
17,562.0	89.80	1.13	12,506.7	4,452.0	154.1	4,450.8	0.65	0.46	0.46
17,658.0	89.98	2.88	12,506.9	4,547.9	157.4	4,546.7	1.83	0.19	1.82
17,751.0	89.32	2.44	12,507.4	4,640.8	161.7	4,639.6	0.85	-0.71	-0.47
17,844.0	89.54	2.36	12,508.4	4,733.7	165.6	4,732.4	0.25	0.24	-0.09
17,939.0	89.54	2.71	12,509.1	4,828.6	169.8	4,827.3	0.37	0.00	0.37
18,033.0	88.62	2.36	12,510.6	4,922.5	174.0	4,921.2	1.05	-0.98	-0.37
18,128.0	90.73	1.57	12,511.2	5,017.5	177.3	5,016.1	2.37	2.22	-0.83
18,223.0	90.86	1.57	12,509.9	5,112.4	179.9	5,111.0	0.14	0.14	0.00
18,317.0	90.11	1.57	12,509.1	5,206.4	182.4	5,205.0	0.80	-0.80	0.00
18,412.0	89.41	0.33	12,509.5	5,301.4	184.0	5,299.9	1.50	-0.74	-1.31
18,506.0	90.81	0.25	12,509.3	5,395.4	184.5	5,393.9	1.49	1.49	-0.09
18,599.0	91.08	359.46	12,507.7	5,488.4	184.2	5,486.9	0.90	0.29	-0.85
18,691.0	91.16	358.40	12,505.9	5,580.3	182.5	5,578.9	1.16	0.09	-1.15
18,785.0	91.91	358.05	12,503.4	5,674.2	179.6	5,672.8	0.88	0.80	-0.37
18,880.0	90.86	357.96	12,501.1	5,769.2	176.3	5,767.8	1.11	-1.11	-0.09
18,975.0	90.68	357.96	12,499.9	5,864.1	172.9	5,862.7	0.19	-0.19	0.00
19,070.0	89.23	358.49	12,499.9	5,959.0	170.0	5,957.7	1.63	-1.53	0.56
19,165.0	89.80	358.40	12,500.7	6,054.0	167.4	6,052.7	0.61	0.60	-0.09
19,260.0	90.77	358.75	12,500.3	6,149.0	165.0	6,147.6	1.09	1.02	0.37
19,355.0	90.99	358.58	12,498.8	6,243.9	162.8	6,242.6	0.29	0.23	-0.18
19,449.0	90.29	359.10	12,497.8	6,337.9	160.9	6,336.6	0.93	-0.74	0.55
19,541.0	89.98	359.10	12,497.5	6,429.9	159.5	6,428.6	0.34	-0.34	0.00
19,636.0	91.74	358.67	12,496.1	6,524.9	157.6	6,523.6	1.91	1.85	-0.45
19,730.0	91.03	359.54	12,493.8	6,618.8	156.2	6,617.5	1.19	-0.76	0.93
19,826.0	89.67	359.90	12,493.3	6,714.8	155.7	6,713.5	1.47	-1.42	0.38
19,919.0	90.37	359.46	12,493.2	6,807.8	155.2	6,806.5	0.89	0.75	-0.47
20,013.0	89.32	359.63	12,493.5	6,901.8	154.4	6,900.5	1.13	-1.12	0.18
20,107.0	88.88	359.28	12,495.0	6,995.8	153.5	6,994.5	0.60	-0.47	-0.37
20,202.0	88.26	359.10	12,497.3	7,090.8	152.2	7,089.5	0.68	-0.65	-0.19
20,296.0	89.32	357.70	12,499.3	7,184.7	149.6	7,183.4	1.87	1.13	-1.49
20,392.0	89.14	357.35	12,500.6	7,280.6	145.4	7,279.4	0.41	-0.19	-0.36
20,486.0	89.54	357.17	12,501.7	7,374.5	140.9	7,373.3	0.47	0.43	-0.19
20,581.0	89.45	356.91	12,502.5	7,469.4	136.0	7,468.2	0.29	-0.09	-0.27
20,675.0	88.70	357.17	12,504.0	7,563.2	131.2	7,562.1	0.84	-0.80	0.28
20,770.0	90.95	357.96	12,504.3	7,658.1	127.1	7,657.0	2.51	2.37	0.83
20,865.0	91.21	357.52	12,502.5	7,753.0	123.4	7,751.9	0.54	0.27	-0.46
20,959.0	91.69	357.17	12,500.2	7,846.9	119.0	7,845.8	0.63	0.51	-0.37
21,053.0	92.48	356.82	12,496.7	7,940.7	114.1	7,939.7	0.92	0.84	-0.37
21,148.0	92.62	357.08	12,492.5	8,035.5	109.1	8,034.5	0.31	0.15	0.27
21,242.0	93.05	358.23	12,487.9	8,129.3	105.2	8,128.3	1.30	0.46	1.22
21,338.0	91.56	359.54	12,484.0	8,225.2	103.4	8,224.2	2.07	-1.55	1.36
21,431.0	92.53	359.37	12,480.7	8,318.1	102.5	8,317.2	1.06	1.04	-0.18
21,526.0	92.62	359.54	12,476.4	8,413.0	101.6	8,412.1	0.20	0.09	0.18



Intrepid Survey Report



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Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3567.0usft (H&P 388)
Site:	(Apollo State Com) Sec-21_T-24-S_R-33-E	MD Reference:	KB @ 3567.0usft (H&P 388)
Well:	Apollo State Com #136H	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)	
21,621.0	91.87	0.51	12,472.7	8,507.9	101.6	8,507.0	1.29	-0.79	1.02	
21,716.0	90.11	0.95	12,471.1	8,602.9	102.8	8,602.0	1.91	-1.85	0.46	
21,809.0	88.89	0.60	12,471.9	8,695.9	104.1	8,694.9	1.36	-1.31	-0.38	
21,905.0	89.76	0.51	12,473.0	8,791.9	105.0	8,790.9	0.91	0.91	-0.09	
22,000.0	90.68	0.33	12,472.6	8,886.9	105.7	8,885.9	0.99	0.97	-0.19	
22,095.0	91.52	0.33	12,470.8	8,981.9	106.3	8,980.9	0.88	0.88	0.00	
22,189.0	90.81	0.60	12,468.9	9,075.8	107.0	9,074.8	0.81	-0.76	0.29	
22,285.0	90.11	0.25	12,468.1	9,171.8	107.7	9,170.8	0.82	-0.73	-0.36	
22,379.0	90.11	0.25	12,467.9	9,265.8	108.1	9,264.8	0.00	0.00	0.00	
22,473.0	89.76	0.51	12,468.0	9,359.8	108.8	9,358.8	0.46	-0.37	0.28	
22,568.0	90.29	0.51	12,468.0	9,454.8	109.6	9,453.8	0.56	0.56	0.00	
22,662.0	90.95	359.98	12,467.0	9,548.8	110.0	9,547.8	0.90	0.70	-0.56	
22,725.0	91.69	0.07	12,465.5	9,611.8	110.0	9,610.8	1.18	1.17	0.14	
22,795.0	91.69	0.07	12,463.5	9,681.8	110.1	9,680.7	0.00	0.00	0.00	

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
PBHL (Apollo State C - hit/miss target - Shape)	0.00	359.59	12,506.0	9,680.0	116.0	446,349.00	776,133.00	32° 13' 29.313 N	103° 34' 26.582 W	
- actual wellpath misses target center by 42.9usft at 22792.0usft MD (12463.6 TVD, 9678.8 N, 110.1 E)										
- Rectangle (sides W100.0 H10,428.0 D30.0)										
LTP (Apollo State Cor - actual wellpath misses target center by 41.0usft at 22722.3usft MD (12465.6 TVD, 9609.1 N, 110.0 E) - Point	0.00	0.00	12,506.0	9,610.0	117.0	446,279.00	776,134.00	32° 13' 28.620 N	103° 34' 26.576 W	
FTP (Apollo State Cor - actual wellpath misses target center by 230.3usft at 12456.6usft MD (12336.4 TVD, -599.4 N, 142.9 E) - Point	0.00	0.00	12,506.0	-748.0	190.0	435,921.00	776,207.00	32° 11' 46.120 N	103° 34' 26.578 W	



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Apollo State Com #136H
Project:	Lea County, NM (NAD 83 NME)	TVD Reference:	KB @ 3567.0usft (H&P 388)
Site:	(Apollo State Com) Sec-21_T-24-S_R-33-E	MD Reference:	KB @ 3567.0usft (H&P 388)
Well:	Apollo State Com #136H	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 (°)
1,165.1	1,165.0	Rustler Anhydrite			
1,657.7	1,657.0	Top Salt			
4,937.1	4,904.0	Base Salt			
5,154.3	5,119.0	Delaware Mountain Gp			
5,175.5	5,140.0	Lamar			
5,216.7	5,181.0	Bell Canyon			
5,238.9	5,203.0	Ramsey Sand			
6,196.0	6,153.0	Cherry Canyon			
7,732.1	7,677.0	Brushy Canyon			
9,151.6	9,096.0	Bone Spring Lime			
9,252.6	9,197.0	Upper Avalon			
9,495.6	9,440.0	Middle Avalon			
9,860.6	9,805.0	Lower Avalon			
10,163.7	10,108.0	1st Bone Spring Sand			
10,562.7	10,507.0	2nd Bone Spring Carb			
10,838.7	10,783.0	2nd Bone Spring Sand			
11,374.0	11,318.0	3rd Bone Spring Carb			
11,960.0	11,904.0	3rd Bone Spring Sand			
12,276.5	12,200.0	3rd BS W Sand			
12,403.6	12,300.0	Wolfcamp A X Sand		0.00	
12,678.8	12,463.0	Wolfcamp A Y Sand		0.00	

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
12,200.1	12,134.7	-748.2	98.3	FTP @ 12200.1'MD, 100'FSL & 1741'FEL
22,723.1	12,465.6	9,609.9	110.0	LTP @ 22723.1'MD, 100'FNL & 1656.7'FEL
22,725.0	12,465.5	9,611.8	110.0	LAST SVY
22,795.0	12,463.5	9,681.8	110.1	Projection to TD @ 22795'MD, 28.1'FNL & 1656.1'FEL

Checked By: _____ Approved By: _____ Date: _____

Released to Imaging: 4/8/2022 4:20:27 PM

District I

1625 N. French Dr., Hobbs, NM 88240
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District IV

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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

ACKNOWLEDGMENTS

Action 60549

ACKNOWLEDGMENTS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 60549
	Action Type: [C-104] Completion Packet (C-104C)

ACKNOWLEDGMENTS

☒	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
☒	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.

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CONDITIONS

Action 60549

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 60549
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
llowe	None	4/8/2022