

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 15-48981	⁵ Pool Name PURPLE SAGE WOLFCAMP (GAS)	⁶ Pool Code 98220
⁷ Property Code 323012	⁸ Property Name PLINY THE ELDER FEE	⁹ Well Number 231H

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
4	4	23S	27E	-	1002	NORTH	354	WEST	EDDY

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	6	23S	27E	-	516	NORTH	270	WEST	EDDY
¹² Lse Code P	¹³ Producing Method Code F	¹⁴ Gas Connection Date 12/4/2022	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

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

IV. Well Completion Data

²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBTB	²⁵ Perforations	²⁶ DHC, MC
9/10/2022	11/29/2022	19670'	19612'	9785 ft to 19543 ft	
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5"	13.375"	600'	620 sks		
9.875"	7.625"	8942'	955 sks		
6.75"	5.5"	19656'	1195 sks		

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
12/4/2022	12/4/2022	12/12/2022	24 hrs.	0	2000
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method
40/64	321	3518	4233		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: PATRICIA MARTINEZ		
Title: Regulatory Analyst			Title: PETROLEUM SPECIALIST		
E-mail Address: jtrlica@taprk.com			Approval Date: 12/20/2023		
Date: 12/15/2022		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) 746-3460 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 30-015-48981	² Pool Code 98220	³ Pool Name PURPLE SAGE WOLFCAMP (GAS)
⁴ Property Code 323012	⁵ Property Name PLINY THE ELDER FEE	
⁷ OGRID No. 372043	⁸ Operator Name TAP ROCK OPERATING, LLC.	⁶ Well Number 231H
		⁹ Elevation 3148'

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
4	4	23-S	27-E	-	1002'	NORTH	354'	WEST	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
4	6	23-S	27-E	-	516'	NORTH	270'	WEST	EDDY

¹² Dedicated Acres 640	¹³ Joint or Infill 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.

16

HARDLINE CROSSING (TOE)
NEW MEXICO EAST
NAD 1983
X=571212
Y=487332
LAT.: N 32.3397092
LONG.: W 104.2366015
FEL=330'
FNL=516'
MD = 19608.4'

HARDLINE CROSSING (HEEL)
NEW MEXICO EAST
NAD 1983
X=581047
Y=487440
LAT.: N 32.3399796
LONG.: W 104.2047566
FWL=330'
FNL=495'
MD = 9758.9'

BOTTOM HOLE LOCATION
NEW MEXICO EAST
NAD 1983
X=571152
Y=487331
LAT.: N 32.3397074
LONG.: W 104.2367954
MD = 19668.7'

SURFACE LOCATION
NEW MEXICO EAST
NAD 1983
X=581733
Y=486940
LAT.: N 32.3386030
LONG.: W 104.2025365

17 OPERATOR 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.

11/15/2022

Signature **Date**
Jeff Trlica

Printed Name
jtrlica@taprk.com

E-mail Address

18 SURVEYOR 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.

08/11/2021

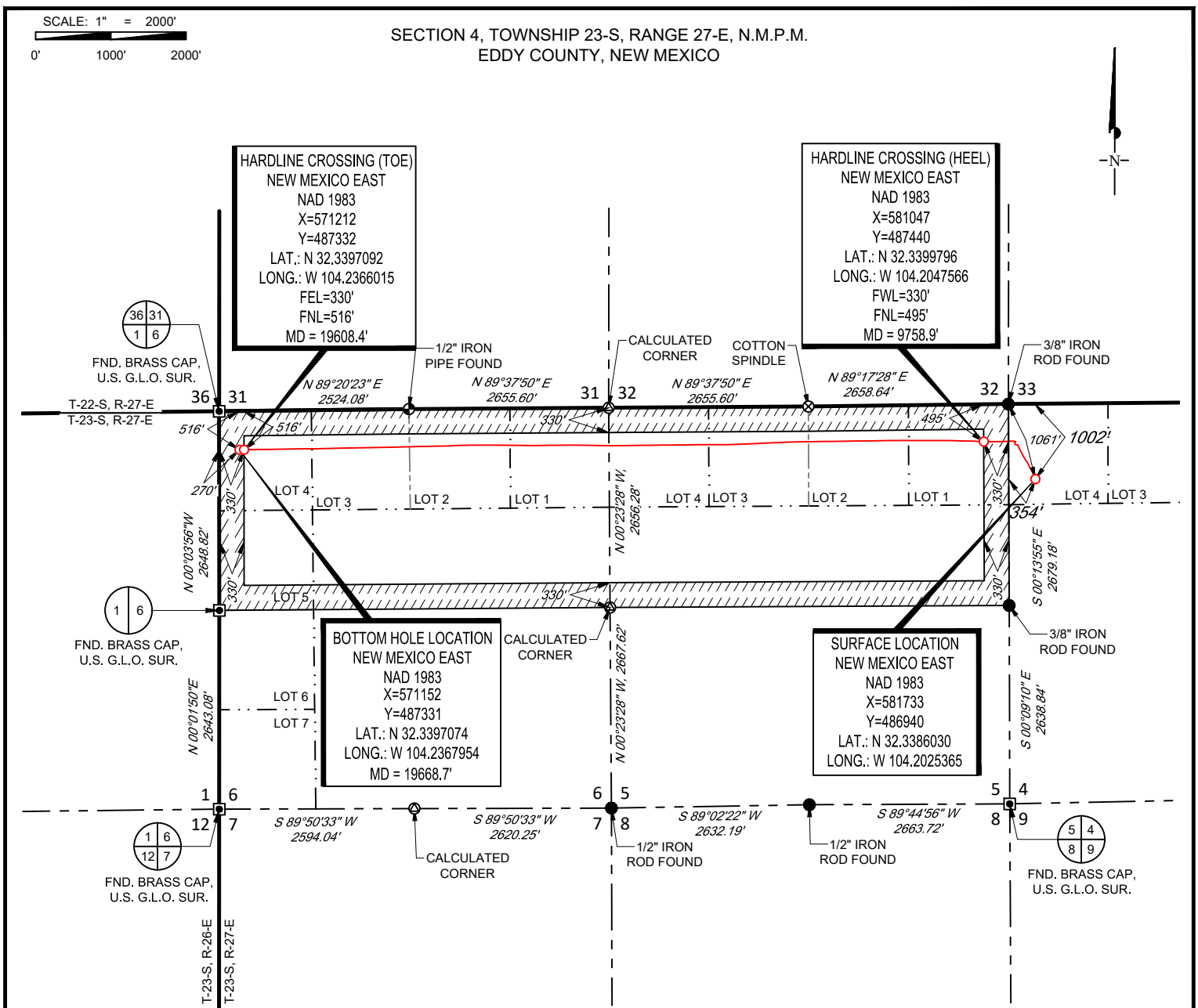
Date of Survey
Signature and Seal of Professional Surveyor

24508

Certificate Number

The survey plat is a technical drawing on a grid background. It shows a rectangular area with various dimensions and labels. Key features include:

- Top Left:** A box labeled 'HARDLINE CROSSING (TOE)' with coordinates X=571212, Y=487332, and other data.
- Top Right:** A box labeled 'HARDLINE CROSSING (HEEL)' with coordinates X=581047, Y=487440, and other data.
- Bottom Left:** A box labeled 'BOTTOM HOLE LOCATION' with coordinates X=571152, Y=487331, and other data.
- Bottom Right:** A box labeled 'SURFACE LOCATION' with coordinates X=581733, Y=486940, and other data.
- Center:** A large rectangular area labeled 'PRODUCING AREA' and 'PROJECT AREA'. It contains a red line representing a well path, starting from the bottom left and ending at the top right. Dimensions like 330', 516', 495', 1061', 1002', and 354' are shown along the path and boundaries.
- Grid:** The plat is overlaid on a grid with numbers 16, 17, 18 along the top and 6, 5, 4 along the right side.
- Right Side:** Two certification sections. Section 17 is 'OPERATOR CERTIFICATION' signed by Jeff Trlica on 11/15/2022. Section 18 is 'SURVEYOR CERTIFICATION' with a date of 08/11/2021 and a signature/seal area containing the number 24508.



LEASE NAME & WELL NO.: PLINY THE ELDER FEE 231H

SECTION 4 TWP 23-S RGE 27-E SURVEY N.M.P.M.

COUNTY EDDY STATE NM ELEVATION 3148'

DESCRIPTION 1002' FNL & 354' 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

PLINY THE ELDER FEE 231H
PRE-COMPLETION

REVISION:

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.

DATE: 11/09/22

FILE: C_PLINY_THE_ELDER_FEE_231H

DRAWN BY: EAH / IMU

SHEET: 2 OF 2



Operator: Tap Rock Resources, LLC.
Well Name: Pliny The Elder Fee 231H
County: Eddy
State: New Mexico
Rig Name: H&P 388
API: 30-025-48982

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: 167' MD – 19589' MD
Projection to Bit: 19670' MD
Dates Performed: 09/10/2022 – 10/12/2022
Type of Survey: MWD

Sincerely,

A handwritten signature in black ink, appearing to read "George Dominguez".

George Dominguez
MWD Coordinator
Intrepid Directional Drilling Specialists





Tap Rock Resources, LLC

**Eddy County, NM (NAD 83 NME)
(Pliny The Elder Fee) Sec-4_T-23-S_R-27-E
Pliny The Elder Fee #231H**

OWB

Design: AWB

Standard Survey Report

17 October, 2022





Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Pliny The Elder Fee #231H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB @ 3174.0usft (H&P 388)
Site:	(Pliny The Elder Fee) Sec-4_T-23-S_R-27-E	MD Reference:	KB @ 3174.0usft (H&P 388)
Well:	Pliny The Elder Fee #231H	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	(Pliny The Elder Fee) Sec-4_T-23-S_R-27-E		
Site Position:		Northing:	485,612.00 usft
From:	Map	Easting:	581,950.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 20' 5.822 N
		Longitude:	104° 12' 6.624 W
		Grid Convergence:	0.07 °

Well	Pliny The Elder Fee #231H		
Well Position	+N/-S	0.0 usft	Northing: 486,940.00 usft
	+E/-W	0.0 usft	Easting: 581,733.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 20' 18.966 N
		Longitude:	104° 12' 9.134 W
		Ground Level:	3,148.0 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	09/12/22	6.93	59.96	47,547.37036668

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	269.48	

Survey Program	Date	10/17/22			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
167.0	19,670.0	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
167.0	0.88	233.35	167.0	-0.8	-1.0	1.0	0.53	0.53	0.00
227.0	0.57	219.73	227.0	-1.3	-1.6	1.6	0.59	-0.52	-22.70
316.0	0.26	188.62	316.0	-1.8	-1.9	1.9	0.42	-0.35	-34.96
406.0	0.79	108.29	406.0	-2.2	-1.3	1.4	0.88	0.59	-89.26
497.0	0.79	318.78	497.0	-1.9	-1.2	1.2	1.68	0.00	-164.30
552.0	1.58	293.74	552.0	-1.3	-2.1	2.1	1.68	1.44	-45.53
628.0	2.90	287.23	627.9	-0.3	-4.9	4.9	1.77	1.74	-8.57
691.0	2.99	292.94	690.8	0.8	-7.9	7.9	0.49	0.14	9.06
784.0	2.15	317.29	783.7	3.0	-11.4	11.3	1.46	-0.90	26.18



Intrepid Survey Report



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Well:	Pliny The Elder Fee #231H	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)	
879.0	1.14	344.36	878.7	5.2	-12.8	12.8	1.31	-1.06	28.49	
974.0	0.09	307.45	973.7	6.2	-13.1	13.1	1.13	-1.11	-38.85	
1,070.0	0.62	133.51	1,069.7	5.9	-12.8	12.8	0.74	0.55	-181.19	
1,165.0	1.63	123.58	1,164.7	4.8	-11.3	11.3	1.08	1.06	-10.45	
1,214.0	2.20	122.26	1,213.6	3.9	-9.9	9.9	1.17	1.16	-2.69	
1,309.0	2.81	122.26	1,308.5	1.6	-6.4	6.4	0.64	0.64	0.00	
1,404.0	2.55	116.37	1,403.4	-0.5	-2.6	2.6	0.40	-0.27	-6.20	
1,498.0	2.20	108.37	1,497.4	-2.0	1.0	-1.0	0.51	-0.37	-8.51	
1,593.0	2.02	73.83	1,592.3	-2.1	4.4	-4.3	1.33	-0.19	-36.36	
1,687.0	3.16	21.80	1,686.2	0.7	6.9	-6.9	2.65	1.21	-55.35	
1,782.0	3.69	350.78	1,781.1	6.2	7.4	-7.5	2.00	0.56	-32.65	
1,877.0	3.47	326.52	1,875.9	11.6	5.3	-5.4	1.60	-0.23	-25.54	
1,972.0	3.52	321.60	1,970.7	16.3	1.9	-2.1	0.32	0.05	-5.18	
2,067.0	4.62	326.69	2,065.5	21.8	-2.0	1.8	1.22	1.16	5.36	
2,162.0	5.71	333.29	2,160.1	29.2	-6.2	6.0	1.30	1.15	6.95	
2,255.0	6.64	334.87	2,252.5	38.2	-10.6	10.2	1.02	1.00	1.70	
2,349.0	7.38	334.96	2,345.8	48.6	-15.4	15.0	0.79	0.79	0.10	
2,443.0	7.69	334.16	2,439.0	59.7	-20.7	20.2	0.35	0.33	-0.85	
2,537.0	7.96	332.49	2,532.1	71.1	-26.5	25.8	0.38	0.29	-1.78	
2,632.0	8.09	331.97	2,626.2	82.9	-32.7	31.9	0.16	0.14	-0.55	
2,727.0	8.31	330.47	2,720.2	94.7	-39.2	38.3	0.32	0.23	-1.58	
2,822.0	8.44	329.68	2,814.2	106.7	-46.1	45.1	0.18	0.14	-0.83	
2,916.0	8.57	329.86	2,907.2	118.7	-53.1	52.0	0.14	0.14	0.19	
3,011.0	8.75	329.24	3,001.1	131.1	-60.3	59.2	0.21	0.19	-0.65	
3,105.0	9.27	329.07	3,093.9	143.7	-67.9	66.6	0.55	0.55	-0.18	
3,200.0	8.66	330.82	3,187.8	156.5	-75.3	73.9	0.70	-0.64	1.84	
3,294.0	7.91	336.45	3,280.8	168.6	-81.3	79.8	1.17	-0.80	5.99	
3,388.0	7.74	338.91	3,373.9	180.5	-86.2	84.6	0.40	-0.18	2.62	
3,483.0	7.96	337.77	3,468.0	192.5	-91.0	89.2	0.28	0.23	-1.20	
3,576.0	7.96	334.16	3,560.1	204.3	-96.2	94.4	0.54	0.00	-3.88	
3,671.0	7.60	327.84	3,654.3	215.5	-102.5	100.5	0.98	-0.38	-6.65	
3,765.0	7.91	326.52	3,747.4	226.2	-109.3	107.3	0.38	0.33	-1.40	
3,859.0	7.65	325.99	3,840.5	236.8	-116.4	114.2	0.29	-0.28	-0.56	
3,954.0	7.60	324.67	3,934.7	247.1	-123.6	121.3	0.19	-0.05	-1.39	
4,048.0	6.77	328.63	4,028.0	256.9	-130.0	127.7	1.03	-0.88	4.21	
4,143.0	6.37	328.89	4,122.3	266.2	-135.7	133.3	0.42	-0.42	0.27	
4,237.0	6.42	325.64	4,215.8	275.0	-141.3	138.8	0.39	0.05	-3.46	
4,330.0	7.38	327.40	4,308.1	284.3	-147.5	144.9	1.06	1.03	1.89	
4,424.0	7.16	329.77	4,401.3	294.5	-153.7	151.0	0.40	-0.23	2.52	
4,518.0	7.30	331.70	4,494.6	304.8	-159.5	156.7	0.30	0.15	2.05	
4,613.0	7.74	331.62	4,588.8	315.8	-165.4	162.5	0.46	0.46	-0.08	
4,707.0	8.26	332.76	4,681.9	327.3	-171.5	168.5	0.58	0.55	1.21	
4,801.0	7.91	331.70	4,774.9	339.0	-177.6	174.6	0.40	-0.37	-1.13	
4,895.0	7.96	330.65	4,868.0	350.4	-183.9	180.7	0.16	0.05	-1.12	



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Pliny The Elder Fee #231H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB @ 3174.0usft (H&P 388)
Site:	(Pliny The Elder Fee) Sec-4_T-23-S_R-27-E	MD Reference:	KB @ 3174.0usft (H&P 388)
Well:	Pliny The Elder Fee #231H	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)	
4,988.0	8.09	333.64	4,960.1	361.9	-190.0	186.7	0.47	0.14	3.22	
5,082.0	8.00	335.13	5,053.2	373.7	-195.6	192.2	0.24	-0.10	1.59	
5,177.0	7.34	335.40	5,147.3	385.2	-201.0	197.4	0.70	-0.69	0.28	
5,269.0	6.77	332.67	5,238.6	395.4	-205.9	202.3	0.72	-0.62	-2.97	
5,363.0	6.59	331.44	5,332.0	405.1	-211.0	207.3	0.24	-0.19	-1.31	
5,457.0	6.29	331.09	5,425.4	414.3	-216.1	212.3	0.32	-0.32	-0.37	
5,551.0	5.45	333.73	5,518.9	422.8	-220.5	216.7	0.94	-0.89	2.81	
5,645.0	5.36	336.98	5,612.5	430.9	-224.2	220.3	0.34	-0.10	3.46	
5,739.0	4.13	338.74	5,706.2	438.1	-227.2	223.2	1.32	-1.31	1.87	
5,833.0	2.95	343.22	5,800.0	443.5	-229.1	225.1	1.29	-1.26	4.77	
5,928.0	2.46	338.56	5,894.9	447.8	-230.6	226.5	0.56	-0.52	-4.91	
6,022.0	1.63	323.71	5,988.8	450.7	-232.1	228.0	1.04	-0.88	-15.80	
6,115.0	1.27	310.35	6,081.8	452.5	-233.7	229.5	0.53	-0.39	-14.37	
6,210.0	1.41	311.93	6,176.8	453.9	-235.3	231.2	0.15	0.15	1.66	
6,304.0	1.80	302.88	6,270.7	455.5	-237.4	233.3	0.49	0.41	-9.63	
6,398.0	1.76	269.30	6,364.7	456.3	-240.1	236.0	1.09	-0.04	-35.72	
6,492.0	2.99	267.10	6,458.6	456.1	-244.0	239.9	1.31	1.31	-2.34	
6,586.0	3.38	274.40	6,552.5	456.2	-249.2	245.1	0.60	0.41	7.77	
6,680.0	3.08	277.83	6,646.3	456.8	-254.5	250.3	0.38	-0.32	3.65	
6,774.0	2.51	271.41	6,740.2	457.2	-259.0	254.9	0.69	-0.61	-6.83	
6,867.0	2.42	287.06	6,833.1	457.8	-263.0	258.8	0.73	-0.10	16.83	
6,960.0	2.29	311.84	6,926.0	459.6	-266.2	262.0	1.09	-0.14	26.65	
7,054.0	2.15	320.98	7,020.0	462.2	-268.7	264.5	0.40	-0.15	9.72	
7,149.0	2.15	338.38	7,114.9	465.3	-270.5	266.3	0.68	0.00	18.32	
7,244.0	2.55	349.55	7,209.8	469.0	-271.5	267.3	0.64	0.42	11.76	
7,337.0	2.11	341.72	7,302.7	472.7	-272.5	268.2	0.58	-0.47	-8.42	
7,432.0	2.15	6.95	7,397.7	476.1	-272.8	268.5	0.98	0.04	26.56	
7,526.0	2.20	13.10	7,491.6	479.6	-272.2	267.8	0.25	0.05	6.54	
7,620.0	2.02	0.27	7,585.5	483.0	-271.7	267.4	0.54	-0.19	-13.65	
7,714.0	2.33	33.05	7,679.5	486.3	-270.7	266.3	1.34	0.33	34.87	
7,807.0	1.71	36.65	7,772.4	489.0	-268.8	264.4	0.68	-0.67	3.87	
7,901.0	1.76	37.01	7,866.4	491.3	-267.1	262.7	0.05	0.05	0.38	
7,995.0	1.10	72.25	7,960.4	492.7	-265.4	260.9	1.14	-0.70	37.49	
8,090.0	0.57	254.10	8,055.4	492.8	-265.0	260.5	1.76	-0.56	-187.53	
8,184.0	1.80	247.50	8,149.3	492.1	-266.8	262.3	1.31	1.31	-7.02	
8,276.0	1.32	245.22	8,241.3	491.2	-269.1	264.6	0.53	-0.52	-2.48	
8,370.0	0.70	289.25	8,335.3	490.9	-270.6	266.2	1.01	-0.66	46.84	
8,464.0	1.27	0.00	8,429.3	492.1	-271.2	266.7	1.31	0.61	75.27	
8,558.0	1.58	25.84	8,523.2	494.3	-270.6	266.1	0.75	0.33	27.49	
8,652.0	1.23	40.17	8,617.2	496.3	-269.4	264.9	0.52	-0.37	15.24	
8,747.0	1.36	29.80	8,712.2	498.0	-268.2	263.6	0.28	0.14	-10.92	
8,841.0	0.92	19.87	8,806.2	499.7	-267.4	262.8	0.51	-0.47	-10.56	
8,925.0	0.66	19.25	8,890.2	500.8	-267.0	262.4	0.31	-0.31	-0.74	



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Pliny The Elder Fee #231H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB @ 3174.0usft (H&P 388)
Site:	(Pliny The Elder Fee) Sec-4_T-23-S_R-27-E	MD Reference:	KB @ 3174.0usft (H&P 388)
Well:	Pliny The Elder Fee #231H	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)	
9,006.0	0.31	316.59	8,971.2	501.4	-267.0	262.4	0.72	-0.43	-77.36	
9,101.0	11.56	276.51	9,065.5	502.7	-276.6	272.1	11.92	11.84	-42.19	
9,196.0	18.29	273.96	9,157.2	504.8	-301.0	296.4	7.12	7.08	-2.68	
9,291.0	28.53	267.46	9,244.3	504.8	-338.6	334.0	11.10	10.78	-6.84	
9,385.0	36.00	265.87	9,323.8	501.8	-388.7	384.1	8.00	7.95	-1.69	
9,480.0	43.34	269.57	9,396.8	499.5	-449.2	444.7	8.11	7.73	3.89	
9,574.0	54.11	269.21	9,458.8	498.8	-519.8	515.2	11.46	11.46	-0.38	
9,669.0	64.70	270.62	9,507.0	498.7	-601.4	596.9	11.22	11.15	1.48	
9,759.5	73.97	271.04	9,538.9	500.0	-686.0	681.4	10.25	10.24	0.47	
FTP @ 9759.5'MD, 495.6'FNL & 330'FEL										
9,763.0	74.33	271.06	9,539.9	500.0	-689.4	684.8	10.25	10.25	0.44	
9,857.0	79.12	272.47	9,561.5	502.8	-780.8	776.2	5.30	5.10	1.50	
9,950.0	87.96	271.50	9,571.9	506.0	-873.0	868.4	9.56	9.51	-1.04	
9,974.0	88.75	271.24	9,572.6	506.6	-897.0	892.4	3.47	3.29	-1.08	
10,069.0	89.05	271.59	9,574.4	509.0	-992.0	987.3	0.49	0.32	0.37	
10,164.0	89.01	271.67	9,576.1	511.7	-1,086.9	1,082.2	0.09	-0.04	0.08	
10,258.0	89.36	270.27	9,577.4	513.2	-1,180.9	1,176.2	1.54	0.37	-1.49	
10,352.0	89.49	270.09	9,578.3	513.5	-1,274.9	1,270.2	0.24	0.14	-0.19	
10,446.0	89.23	270.00	9,579.4	513.6	-1,368.9	1,364.2	0.29	-0.28	-0.10	
10,541.0	90.11	270.00	9,579.9	513.6	-1,463.9	1,459.2	0.93	0.93	0.00	
10,635.0	91.96	270.09	9,578.2	513.7	-1,557.9	1,553.1	1.97	1.97	0.10	
10,729.0	92.57	270.09	9,574.5	513.8	-1,651.8	1,647.1	0.65	0.65	0.00	
10,823.0	92.84	270.27	9,570.1	514.1	-1,745.7	1,740.9	0.35	0.29	0.19	
10,918.0	90.95	269.39	9,566.9	513.8	-1,840.6	1,835.9	2.19	-1.99	-0.93	
11,011.0	91.87	269.57	9,564.7	513.0	-1,933.6	1,928.9	1.01	0.99	0.19	
11,105.0	90.99	269.04	9,562.3	511.9	-2,027.5	2,022.8	1.09	-0.94	-0.56	
11,198.0	90.86	268.95	9,560.8	510.2	-2,120.5	2,115.8	0.17	-0.14	-0.10	
11,292.0	93.19	269.30	9,557.5	508.8	-2,214.4	2,209.7	2.51	2.48	0.37	
11,384.0	92.13	269.30	9,553.2	507.7	-2,306.3	2,301.6	1.15	-1.15	0.00	
11,479.0	90.59	268.77	9,551.0	506.1	-2,401.3	2,396.6	1.71	-1.62	-0.56	
11,572.0	90.37	268.86	9,550.2	504.2	-2,494.3	2,489.6	0.26	-0.24	0.10	
11,665.0	92.04	269.04	9,548.2	502.4	-2,587.2	2,582.6	1.81	1.80	0.19	
11,760.0	90.99	269.65	9,545.7	501.4	-2,682.2	2,677.5	1.28	-1.11	0.64	
11,853.0	90.99	269.57	9,544.1	500.7	-2,775.2	2,770.5	0.09	0.00	-0.09	
11,946.0	89.58	269.39	9,543.6	499.9	-2,868.2	2,863.5	1.53	-1.52	-0.19	
12,040.0	89.85	269.48	9,544.1	499.0	-2,962.2	2,957.5	0.30	0.29	0.10	
12,134.0	89.05	269.39	9,545.0	498.0	-3,056.2	3,051.5	0.86	-0.85	-0.10	
12,229.0	89.63	268.86	9,546.1	496.6	-3,151.1	3,146.5	0.83	0.61	-0.56	
12,323.0	90.68	267.72	9,545.9	493.8	-3,245.1	3,240.5	1.65	1.12	-1.21	
12,416.0	91.34	267.72	9,544.2	490.1	-3,338.0	3,333.4	0.71	0.71	0.00	
12,510.0	92.22	267.63	9,541.3	486.3	-3,431.9	3,427.3	0.94	0.94	-0.10	
12,604.0	92.13	267.28	9,537.7	482.1	-3,525.7	3,521.2	0.38	-0.10	-0.37	
12,698.0	91.21	266.93	9,535.0	477.3	-3,619.6	3,615.1	1.05	-0.98	-0.37	
12,792.0	92.48	267.46	9,532.0	472.8	-3,713.4	3,708.9	1.46	1.35	0.56	



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Pliny The Elder Fee #231H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB @ 3174.0usft (H&P 388)
Site:	(Pliny The Elder Fee) Sec-4_T-23-S_R-27-E	MD Reference:	KB @ 3174.0usft (H&P 388)
Well:	Pliny The Elder Fee #231H	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)
12,886.0	93.05	267.54	9,527.4	468.7	-3,807.2	3,802.8	0.61	0.61	0.09
12,980.0	92.57	267.81	9,522.8	464.8	-3,901.0	3,896.6	0.59	-0.51	0.29
13,075.0	93.23	267.90	9,518.0	461.3	-3,995.8	3,991.5	0.70	0.69	0.09
13,169.0	94.02	268.77	9,512.1	458.6	-4,089.6	4,085.3	1.25	0.84	0.93
13,261.0	93.45	269.92	9,506.1	457.5	-4,181.4	4,177.1	1.39	-0.62	1.25
13,356.0	92.13	270.62	9,501.5	458.0	-4,276.3	4,271.9	1.57	-1.39	0.74
13,450.0	88.09	270.18	9,501.3	458.6	-4,370.2	4,365.9	4.32	-4.30	-0.47
13,545.0	88.84	269.57	9,503.8	458.4	-4,465.2	4,460.9	1.02	0.79	-0.64
13,639.0	90.07	268.95	9,504.7	457.2	-4,559.2	4,554.9	1.47	1.31	-0.66
13,732.0	89.98	268.86	9,504.7	455.4	-4,652.2	4,647.9	0.14	-0.10	-0.10
13,827.0	92.66	269.48	9,502.5	454.1	-4,747.1	4,742.8	2.90	2.82	0.65
13,922.0	94.29	269.65	9,496.7	453.3	-4,842.0	4,837.6	1.73	1.72	0.18
14,016.0	93.41	269.48	9,490.4	452.6	-4,935.7	4,931.4	0.95	-0.94	-0.18
14,110.0	92.44	269.30	9,485.6	451.6	-5,029.6	5,025.3	1.05	-1.03	-0.19
14,204.0	92.53	269.48	9,481.5	450.6	-5,123.5	5,119.2	0.21	0.10	0.19
14,298.0	92.57	269.13	9,477.4	449.5	-5,217.4	5,213.1	0.37	0.04	-0.37
14,393.0	93.85	268.95	9,472.0	447.9	-5,312.2	5,308.0	1.36	1.35	-0.19
14,488.0	93.01	269.04	9,466.4	446.2	-5,407.1	5,402.8	0.89	-0.88	0.09
14,583.0	91.30	269.74	9,462.8	445.2	-5,502.0	5,497.7	1.94	-1.80	0.74
14,678.0	92.57	270.09	9,459.6	445.1	-5,596.9	5,592.7	1.39	1.34	0.37
14,772.0	90.59	270.36	9,457.0	445.4	-5,690.9	5,686.6	2.13	-2.11	0.29
14,867.0	92.22	270.97	9,454.7	446.5	-5,785.8	5,781.6	1.83	1.72	0.64
14,961.0	92.13	270.97	9,451.1	448.1	-5,879.8	5,875.5	0.10	-0.10	0.00
15,054.0	93.76	271.15	9,446.3	449.9	-5,972.6	5,968.3	1.76	1.75	0.19
15,150.0	93.80	270.44	9,440.0	451.2	-6,068.4	6,064.1	0.74	0.04	-0.74
15,244.0	92.79	269.83	9,434.6	451.4	-6,162.2	6,157.9	1.25	-1.07	-0.65
15,339.0	89.49	269.57	9,432.7	450.9	-6,257.2	6,252.9	3.48	-3.47	-0.27
15,433.0	89.58	269.39	9,433.5	450.1	-6,351.2	6,346.9	0.21	0.10	-0.19
15,527.0	89.93	269.48	9,433.9	449.1	-6,445.2	6,440.9	0.38	0.37	0.10
15,622.0	89.67	269.21	9,434.2	448.0	-6,540.2	6,535.9	0.39	-0.27	-0.28
15,716.0	91.12	269.57	9,433.5	447.0	-6,634.2	6,629.9	1.59	1.54	0.38
15,810.0	92.00	270.44	9,431.0	447.0	-6,728.2	6,723.8	1.32	0.94	0.93
15,904.0	92.84	270.88	9,427.0	448.1	-6,822.1	6,817.7	1.01	0.89	0.47
15,998.0	93.19	270.80	9,422.1	449.5	-6,915.9	6,911.6	0.38	0.37	-0.09
16,093.0	93.36	270.53	9,416.6	450.6	-7,010.8	7,006.4	0.34	0.18	-0.28
16,188.0	94.07	270.71	9,410.5	451.6	-7,105.6	7,101.2	0.77	0.75	0.19
16,282.0	92.79	269.92	9,404.9	452.1	-7,199.4	7,195.0	1.60	-1.36	-0.84
16,377.0	93.71	269.92	9,399.5	452.0	-7,294.2	7,289.8	0.97	0.97	0.00
16,471.0	93.32	269.48	9,393.7	451.5	-7,388.0	7,383.6	0.62	-0.41	-0.47
16,565.0	94.20	269.92	9,387.5	451.0	-7,481.8	7,477.4	1.05	0.94	0.47
16,660.0	93.67	269.21	9,381.0	450.3	-7,576.6	7,572.2	0.93	-0.56	-0.75
16,754.0	92.92	267.37	9,375.6	447.5	-7,670.4	7,666.0	2.11	-0.80	-1.96
16,848.0	93.45	266.75	9,370.4	442.7	-7,764.1	7,759.8	0.87	0.56	-0.66



Intrepid Survey Report



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Site:	(Pliny The Elder Fee) Sec-4_T-23-S_R-27-E	MD Reference:	KB @ 3174.0usft (H&P 388)
Well:	Pliny The Elder Fee #231H	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)	
16,943.0	94.02	269.04	9,364.2	439.2	-7,858.9	7,854.6	2.48	0.60	2.41	
17,037.0	91.87	269.57	9,359.4	438.1	-7,952.7	7,948.4	2.36	-2.29	0.56	
17,131.0	90.86	268.77	9,357.1	436.7	-8,046.7	8,042.4	1.37	-1.07	-0.85	
17,225.0	90.99	268.77	9,355.6	434.7	-8,140.7	8,136.4	0.14	0.14	0.00	
17,320.0	90.46	268.51	9,354.4	432.4	-8,235.6	8,231.4	0.62	-0.56	-0.27	
17,414.0	90.64	268.77	9,353.5	430.2	-8,329.6	8,325.3	0.34	0.19	0.28	
17,510.0	89.41	268.42	9,353.5	427.9	-8,425.6	8,421.3	1.33	-1.28	-0.36	
17,605.0	90.42	268.51	9,353.6	425.3	-8,520.5	8,516.3	1.07	1.06	0.09	
17,699.0	92.22	268.95	9,351.5	423.2	-8,614.5	8,610.3	1.97	1.91	0.47	
17,793.0	93.10	269.04	9,347.1	421.6	-8,708.4	8,704.2	0.94	0.94	0.10	
17,888.0	93.01	269.04	9,342.0	420.0	-8,803.2	8,799.0	0.09	-0.09	0.00	
17,982.0	93.85	268.69	9,336.4	418.1	-8,897.0	8,892.9	0.97	0.89	-0.37	
18,076.0	94.11	268.95	9,329.9	416.2	-8,990.8	8,986.6	0.39	0.28	0.28	
18,170.0	94.55	268.77	9,322.8	414.3	-9,084.5	9,080.4	0.51	0.47	-0.19	
18,265.0	92.18	269.04	9,317.2	412.5	-9,179.3	9,175.2	2.51	-2.49	0.28	
18,359.0	92.00	268.86	9,313.8	410.8	-9,273.2	9,269.1	0.27	-0.19	-0.19	
18,451.0	91.12	268.33	9,311.3	408.6	-9,365.2	9,361.1	1.12	-0.96	-0.58	
18,546.0	90.77	268.42	9,309.7	405.9	-9,460.1	9,456.0	0.38	-0.37	0.09	
18,641.0	91.87	269.21	9,307.5	403.9	-9,555.1	9,551.0	1.43	1.16	0.83	
18,736.0	91.21	269.92	9,305.0	403.2	-9,650.0	9,646.0	1.02	-0.69	0.75	
18,830.0	90.86	269.21	9,303.3	402.5	-9,744.0	9,740.0	0.84	-0.37	-0.76	
18,925.0	93.71	269.04	9,299.5	401.0	-9,838.9	9,834.9	3.01	3.00	-0.18	
19,018.0	93.23	269.13	9,293.9	399.5	-9,931.7	9,927.7	0.53	-0.52	0.10	
19,113.0	92.40	269.04	9,289.2	398.0	-10,026.6	10,022.6	0.88	-0.87	-0.09	
19,205.0	92.79	269.39	9,285.0	396.8	-10,118.5	10,114.5	0.57	0.42	0.38	
19,299.0	95.69	269.30	9,278.1	395.7	-10,212.2	10,208.2	3.09	3.09	-0.10	
19,394.0	96.40	269.13	9,268.1	394.4	-10,306.7	10,302.7	0.77	0.75	-0.18	
19,488.0	95.69	269.21	9,258.2	393.0	-10,400.2	10,396.2	0.76	-0.76	0.09	
19,582.0	96.70	269.04	9,248.0	391.6	-10,493.6	10,489.6	1.09	1.07	-0.18	
19,589.0	96.62	269.30	9,247.2	391.5	-10,500.5	10,496.6	3.86	-1.14	3.71	
LAST SVY										
19,609.4	96.62	269.30	9,244.9	391.3	-10,520.8	10,516.8	0.00	0.00	0.00	
LTP @ 19609.4'MD, 516'FNL & 330'FWL										
19,670.0	96.62	269.30	9,237.9	390.5	-10,581.0	10,577.0	0.00	0.00	0.00	
Projection to TD @ 19670'MD, 516'FNL & 269.8'FWL										



Intrepid Survey Report



Company:	Tap Rock Resources, LLC	Local Co-ordinate Reference:	Well Pliny The Elder Fee #231H
Project:	Eddy County, NM (NAD 83 NME)	TVD Reference:	KB @ 3174.0usft (H&P 388)
Site:	(Pliny The Elder Fee) Sec-4_T-23-S_R-27-E	MD Reference:	KB @ 3174.0usft (H&P 388)
Well:	Pliny The Elder Fee #231H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	AWB	Database:	EDM 5000.15 Single User Db

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL (Pliny The Elder - hit/miss target - Shape	-2.50	269.48	9,235.6	410.0	-10,751.0	487,350.00	570,982.00	32° 20' 23.136 N	104° 14' 14.448 W
- actual wellpath misses target center by 171.1usft at 19670.0usft MD (9237.9 TVD, 390.5 N, -10581.0 E)									
- Rectangle (sides W100.0 H4,255.2 D30.0)									
LTP (Pliny The Elder F - actual wellpath misses target center by 40.4usft at 19605.3usft MD (9245.3 TVD, 391.3 N, -10516.7 E)	0.00	0.01	9,279.8	412.0	-10,521.0	487,352.00	571,212.00	32° 20' 23.154 N	104° 14' 11.767 W
- Point									
6500*VS (Pliny The Elc - actual wellpath misses target center by 13.1usft at 15586.0usft MD (9434.0 TVD, 448.5 N, -6504.3 E)	-2.00	269.48	9,420.9	448.8	-6,504.3	487,388.85	575,228.70	32° 20' 23.480 N	104° 13' 24.946 W
- Rectangle (sides W100.0 H2,501.5 D30.0)									
4000*VS (Pliny The Elc - actual wellpath misses target center by 14.2usft at 13083.9usft MD (9517.5 TVD, 461.0 N, -4004.7 E)	-1.30	269.48	9,508.2	471.7	-4,004.4	487,411.69	577,728.60	32° 20' 23.680 N	104° 12' 55.805 W
- Rectangle (sides W100.0 H2,500.5 D30.0)									
1500*VS (Pliny The Elc - actual wellpath misses target center by 24.0usft at 10582.0usft MD (9579.6 TVD, 513.6 N, -1504.8 E)	-0.50	269.48	9,564.9	494.6	-1,504.6	487,434.58	580,228.40	32° 20' 23.878 N	104° 12' 26.666 W
- Rectangle (sides W100.0 H818.6 D30.0)									
FTP (Pliny The Elder F - actual wellpath misses target center by 39.6usft at 9769.0usft MD (9541.5 TVD, 500.1 N, -695.1 E)	0.00	0.00	9,580.0	501.0	-686.0	487,441.00	581,047.00	32° 20' 23.932 N	104° 12' 17.124 W
- Point									

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
35.0	35.0	Rustler Anhydrite				
295.0	295.0	Top Salt				
1,685.8	1,685.0	Base Salt				
1,926.2	1,925.0	Delaware Mountain Gp				
1,961.3	1,960.0	Lamar				
2,076.6	2,075.0	Bell Canyon				
2,883.4	2,875.0	Cherry Canyon				
3,954.3	3,935.0	Brushy Canyon				
5,471.7	5,440.0	Bone Spring Lime				
5,562.1	5,530.0	Upper Avalon				
5,777.9	5,745.0	Middle Avalon				
6,213.2	6,180.0	Lower Avalon				
6,488.4	6,455.0	1st Bone Spring Sand				
6,768.8	6,735.0	2nd Bone Spring Carb				
7,029.0	6,995.0	2nd Bone Spring Sand				
7,199.1	7,165.0	3rd Bone Spring Carb				
8,549.8	8,515.0	3rd Bone Spring Sand				
8,834.8	8,800.0	3rd BS W Sand				
8,899.8	8,865.0	Wolfcamp A X Sand				
8,969.8	8,935.0	Wolfcamp A Y Sand				
9,054.9	9,020.0	Wolfcamp A Lower				
9,209.5	9,170.0	Wolfcamp B				
9,498.4	9,410.0	Wolfcamp B1				



Intrepid Survey Report



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Site:	(Pliny The Elder Fee) Sec-4_T-23-S_R-27-E	MD Reference:	KB @ 3174.0usft (H&P 388)
Well:	Pliny The Elder Fee #231H	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)	
9,759.5	9,538.9	500.0	-686.0	FTP @ 9759.5'MD, 495.6'FNL & 330'FEL
19,589.0	9,247.2	391.5	-10,500.5	LAST SVY
19,609.4	9,244.9	391.3	-10,520.8	LTP @ 19609.4'MD, 516'FNL & 330'FWL
19,670.0	9,237.9	390.5	-10,581.0	Projection to TD @ 19670'MD, 516'FNL & 269.8'FWL

Checked By: _____ Approved By: _____ Date: _____

Submit To Appropriate District Office Two Copies <u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 811 S. First St., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505		State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505			Form C-105 Revised April 3, 2017					
WELL COMPLETION OR RECOMPLETION REPORT AND LOG								1. WELL API NO. 30-015-48981		
4. Reason for filing: ☒ COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) ☐ C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)								5. Lease Name or Unit Agreement Name PLINY THE ELDER FEE		
								6. Well Number: 231H		
7. Type of Completion: ☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER										
8. Name of Operator TAP ROCK OPERATING, LLC							9. OGRID 372043			
10. Address of Operator 523 PARK POINT DRIVE, SUITE 200, GOLDEN, CO							11. Pool name or Wildcat PURPLE SAGE WOLFCAMP (GAS)			
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	4	4	23S	27E	-	1002	NORTH	354	WEST	EDDY
BH:	4	6	23S	27E	-	516	NORTH	270	WEST	EDDY
13. Date Spudded 9/10/2022	14. Date T.D. Reached 10/12/2022		15. Date Rig Released 10/14/2022			16. Date Completed (Ready to Produce) 11/29/2022		17. Elevations (DF and RKB, RT, GR, etc.) 3148 GR		
18. Total Measured Depth of Well 19670 ft			19. Plug Back Measured Depth 19612 ft			20. Was Directional Survey Made? YES		21. Type Electric and Other Logs Run GAMMA		
22. Producing Interval(s), of this completion - Top, Bottom, Name 9785 ft to 19543 ft							WOLFCAMP			
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13.375"		54.5		600'		17.5"		620 sks		0
7.625"		29.7		8942'		9.875"		955 sks		0
5.5"		20		19656'		6.75"		1195 sks		0
24. LINER RECORD										
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		25. TUBING RECORD		SIZE		DEPTH SET
26. Perforation record (interval, size, and number)						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
Perforate from 9785 ft to 19543 ft, 1 SPF, .55 inch holes with 481 total shots						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						9785 ft to 19543 ft		37 stage frac with 23,893,929 lbs of 100 mesh sand		
28. PRODUCTION										
Date First Production 12/4/2022		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing				Well Status (Prod. or Shut-in) Producing				
Date of Test 12/12/2022	Hours Tested 24 hrs	Choke Size 40/64	Prod'n For Test Period	Oil - Bbl 321	Gas - MCF 4233	Water - Bbl. 3518	Gas - Oil Ratio 13187			
Flow Tubing Press. 0	Casing Pressure 2000	Calculated 24-Hour Rate	Oil - Bbl. 321	Gas - MCF 4233	Water - Bbl. 3518	Oil Gravity - API - (Corr.)				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Sold							30. Test Witnessed By			
31. List Attachments C-102, Directional Survey										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.								33. Rig Release Date:		
34. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude				Longitude				NAD83		
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief										
Signature 			Printed Name Jeff Trlica			Title Regulatory Analyst			Date 12/15/2022	
E-mail Address jtrlica@taprock.com										

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

[illegible]

No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

From	To	Thickness In Feet	Lithology		From	To	Thickness In Feet	Lithology
0	47		Quaternary					
47	307		Rustler					
307	1697		Top of Salt					
1697	1937		Base of Salt					
1937	2083		Lamar					
2083	2935		Bell Canyon					
2935	3987		Cherry Canyon					
3987	5484		Brushy Canyon					
5484	5812		Bone Spring					
5812	6459		Avalon					
6459	7028		1st Bone Spring Sand					
7028	8526		2nd Bone Spring Sand					
8526	8884		3rd Bone Spring Sand					
8884	9191		Wolfcamp A					
9191			Wolfcamp B					

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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

ACKNOWLEDGMENTS

Action 167303

ACKNOWLEDGMENTS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 167303
	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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Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 167303

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 167303
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	12/20/2023