

Well Name: CHICKEN NOODLE FED COM	Well Location: T26S / R25E / SEC 11 / SENW /	County or Parish/State:
Well Number: 402H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMNM113397	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001549451	Well Status: Approved Application for Permit to Drill	Operator: TAP ROCK OPERATING LLC

Notice of Intent

Sundry ID: 2705266

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 11/30/2022	Time Sundry Submitted: 02:13
Date proposed operation will begin: 12/02/2022	

Procedure Description: For the referenced well, Tap Rock requests the following: 1. Change the BHL to C-2-26S-25E, 5' FNL 1650' FWL, Eddy County, NM. Lat: 32.07905250, Long: -103.36965658 2. Change casing design and OH size according to the attached drill plans. See attached updated C-102, drill plans, and directional plans.

NOI Attachments

Procedure Description

- Chicken_Noodle_Fed_Com_402H__Tap_Rock_Plan_v.2_11_22_22_20221130141249.pdf
- Chicken_Noodle_402__OH_Size_and_Casing_Sundries_11_22_22_20221130141234.pdf
- Chicken_Noodle_Fed_Com_402H_C_102_20221128_SIGNED_20221130141205.pdf

Well Name: CHICKEN NOODLE FED
COM

Well Location: T26S / R25E / SEC 11 /
SENW /

County or Parish/State:

Well Number: 402H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM113397

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001549451

Well Status: Approved Application for
Permit to Drill

Operator: TAP ROCK
OPERATING LLC

Conditions of Approval

Additional

Sec_11_26S_25E_NMP_2705266_Chicken_Noodle_402H_Eddy_Tap_Rock_COAs_20221201103015.pdf

Sec_11_26S_25E_NMP_2705266_Chicken_Noodle_402H_Eddy_Tap_Rock_13_22_44896_AM_20221201103015.pdf

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: JEFFREY TRLICA

Signed on: NOV 30, 2022 02:11 PM

Name: TAP ROCK OPERATING LLC

Title: Regulatory Analyst

Street Address: 523 PARK POINT DRIVE SUITE 200

City: GOLDEN

State: CO

Phone: (720) 772-5910

Email address: JTRLICA@TAPRK.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752342234

BLM POC Email Address: cwalls@blm.gov

Disposition: Approved

Disposition Date: 12/01/2022

Signature: Chris Walls

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-49451	² Pool Code 98220	³ Pool Name PURPLE SAGE; WOLFCAMP (GAS)
⁴ Property Code 333365	⁵ Property Name CHICKEN NOODLE FED COM	⁶ Well Number 402H
⁷ OGRID No. 372043	⁸ Operator Name TAP ROCK OPERATING, LLC.	⁹ Elevation 3644'

¹⁰Surface Location

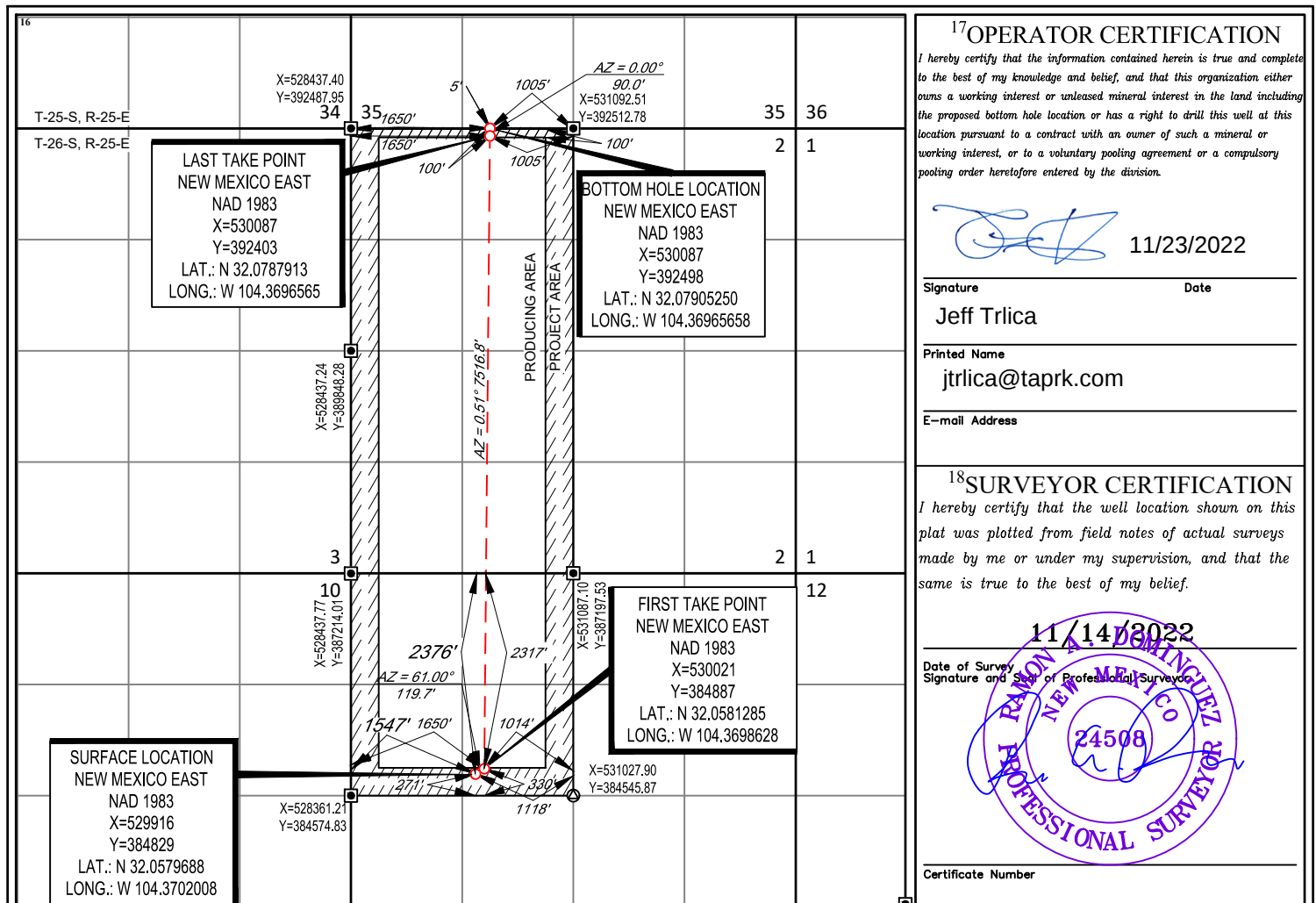
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	11	26-S	25-E	-	2376'	NORTH	1547'	WEST	EDDY

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
C	2	26-S	25-E	-	5'	NORTH	1650'	WEST	EDDY

¹² Dedicated Acres 540 480	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.



Chicken Noodle #402 – Hole Size and Casing

Due to the recent change in operator and drilling targets, Tap Rock requests the following changes with hole size and the 3-string casing design. The corresponding drilling fluids table & cementing information corresponding to the proposed changes are also shown, respectively.

Chicken Noodle #402

Section	Drilled Interval			Casing Size	Standard	Tapered	Casing Set Depths				Casing Details					
	Hole Size	Top	Btm				Top MD	Bottom MD	Top TVD	BTM TVD	Grade	Weight	Thread	Collapse	Burst	Tension
Surface	17 1/2	0	315	13 3/8	API	No	0	315	0	315	J-55	54.5	BUTT	1.13	1.15	1.6
Intermediate	12 1/4	315	1739	9 5/8	API	No	0	1739	0	1739	J-55	40	BUTT	1.13	1.15	1.6
Production	8 3/4	1739	7677	5 1/2	NON API	No	0	7677	0	7667	P-110	20	TXP	1.13	1.15	1.6
	7 7/8	7677	15872	5 1/2	NON API	No	7677	15872	7667	8252	P-110	20	TXP	1.13	1.15	1.6

Name	Top	Bottom	Type	Mud Weight	Visc	Fluid Loss
Surface	0	315	FW Spud Mud	8.40	28	NC
Intermediate	315	1739	Brine Water	10.00	27-30	NC
Production	1739	15872	Cut Brine	9.00	27-30	NC

Name	Type	Top MD	Sacks	Yield	Cu. Ft	Weight	Excess	Cement	Additives
Surface	Tail	0	327	1.34	438	14.8	100%	C	5% NCI + LCM
Intermediate	Lead	0	178	1.87	333	12.8	65%	C	Bentonite + 1% CaCL2 + 8% NaCl + LCM
	Tail	739	386	1.34	517	14.8	65%	C	5% NaCl + LCM
Production	Lead	1539	449	4.13	1853	10.5	20%	H	Fluid Loss + Dispersant + Retarder + LCM
	Tail	7677	1923	1.53	2943	13.2	20%	H	Fluid Loss + Dispersant + Retarder + LCM

Tap Rock Resources, LLC (NM)

CAVERNS

Soup Shop

Chicken Noodle Fed Com #402H

Original Wellbore

Plan: Plan v.2

Standard Planning Report - Geographic

22 November, 2022

Planning Report - Geographic

Database:	EDM 5000.17 WinAuth Users Db	Local Co-ordinate Reference:	Well Chicken Noodle Fed Com #402H
Company:	Tap Rock Resources, LLC (NM)	TVD Reference:	KB @ 3670.00usft (H&P 312)
Project:	CAVERNS	MD Reference:	KB @ 3670.00usft (H&P 312)
Site:	Soup Shop	North Reference:	Grid
Well:	Chicken Noodle Fed Com #402H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Plan v.2		

Project	CAVERNS		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Soup Shop				
Site Position:		Northing:	373,292.00 usft	Latitude:	32° 1' 34.368 N
From:	Map	Easting:	507,691.00 usft	Longitude:	104° 26' 30.860 W
Position Uncertainty:		0.00 usft	Slot Radius:	13-3/16 "	

Well	Chicken Noodle Fed Com #402H					
Well Position	+N/-S	0.00 usft	Northing:	384,828.94 usft	Latitude:	32° 3' 28.689 N
	+E/-W	0.00 usft	Easting:	529,916.19 usft	Longitude:	104° 22' 12.723 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	3,644.00 usft
Grid Convergence:		-0.02 °				

Wellbore	Original Wellbore				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	11/21/2022	6.73	59.58	47,162.35301739

Design	Plan v.2			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	1.00

Plan Survey Tool Program	Date	11/22/2022		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.00	15,872.45 Plan v.2 (Original Wellbore)	MWD+IFR1 OWSG MWD + IFR1	

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Project:	CAVERNS	MD Reference:	KB @ 3670.00usft (H&P 312)
Site:	Soup Shop	North Reference:	Grid
Well:	Chicken Noodle Fed Com #402H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Plan v.2		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,120.00	0.00	360.00	1,120.00	0.00	0.00	0.00	0.00	0.00	360.00	
1,620.00	5.00	157.00	1,619.37	-20.07	8.52	1.00	1.00	0.00	157.00	
4,009.73	5.00	157.00	4,000.00	-211.79	89.90	0.00	0.00	0.00	0.00	
4,509.73	0.00	0.00	4,499.37	-231.86	98.42	1.00	-1.00	0.00	180.00	
7,677.36	0.00	360.00	7,667.00	-231.86	98.42	0.00	0.00	0.00	360.00	
8,491.00	89.50	1.60	8,187.85	284.26	112.84	11.00	11.00	0.00	1.60	
10,580.53	89.50	1.60	8,206.09	2,372.91	171.18	0.00	0.00	0.00	0.00	
10,661.03	89.50	359.99	8,206.79	2,453.39	172.29	2.00	0.00	-2.00	-90.01	
15,872.45	89.50	359.99	8,252.27	7,664.61	171.38	0.00	0.00	0.00	0.00	

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Site:	Soup Shop	North Reference:	Grid
Well:	Chicken Noodle Fed Com #402H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Plan v.2		

Planned Survey										
Measured										
Depth	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Map	Map			
(usft)	(°)	(°)	Depth	(usft)	(usft)	Northing	Easting		Latitude	Longitude
			(usft)			(usft)	(usft)			
0.00	0.00	0.00	0.00	0.00	0.00	384,828.94	529,916.19		32° 3' 28.689 N	104° 22' 12.723 W
39.00	0.00	0.00	39.00	0.00	0.00	384,828.94	529,916.19		32° 3' 28.689 N	104° 22' 12.723 W
RSTLR										
100.00	0.00	0.00	100.00	0.00	0.00	384,828.94	529,916.19		32° 3' 28.689 N	104° 22' 12.723 W
200.00	0.00	0.00	200.00	0.00	0.00	384,828.94	529,916.19		32° 3' 28.689 N	104° 22' 12.723 W
300.00	0.00	0.00	300.00	0.00	0.00	384,828.94	529,916.19		32° 3' 28.689 N	104° 22' 12.723 W
363.00	0.00	0.00	363.00	0.00	0.00	384,828.94	529,916.19		32° 3' 28.689 N	104° 22' 12.723 W
Top Salt										
400.00	0.00	0.00	400.00	0.00	0.00	384,828.94	529,916.19		32° 3' 28.689 N	104° 22' 12.723 W
500.00	0.00	0.00	500.00	0.00	0.00	384,828.94	529,916.19		32° 3' 28.689 N	104° 22' 12.723 W
600.00	0.00	0.00	600.00	0.00	0.00	384,828.94	529,916.19		32° 3' 28.689 N	104° 22' 12.723 W
700.00	0.00	0.00	700.00	0.00	0.00	384,828.94	529,916.19		32° 3' 28.689 N	104° 22' 12.723 W
800.00	0.00	0.00	800.00	0.00	0.00	384,828.94	529,916.19		32° 3' 28.689 N	104° 22' 12.723 W
900.00	0.00	0.00	900.00	0.00	0.00	384,828.94	529,916.19		32° 3' 28.689 N	104° 22' 12.723 W
1,000.00	0.00	0.00	1,000.00	0.00	0.00	384,828.94	529,916.19		32° 3' 28.689 N	104° 22' 12.723 W
1,100.00	0.00	0.00	1,100.00	0.00	0.00	384,828.94	529,916.19		32° 3' 28.689 N	104° 22' 12.723 W
1,120.00	0.00	360.00	1,120.00	0.00	0.00	384,828.94	529,916.19		32° 3' 28.689 N	104° 22' 12.723 W
1,200.00	0.80	157.00	1,200.00	-0.51	0.22	384,828.42	529,916.41		32° 3' 28.684 N	104° 22' 12.721 W
1,300.00	1.80	157.00	1,299.97	-2.60	1.10	384,826.34	529,917.30		32° 3' 28.664 N	104° 22' 12.710 W
1,400.00	2.80	157.00	1,399.89	-6.30	2.67	384,822.64	529,918.86		32° 3' 28.627 N	104° 22' 12.692 W
1,463.21	3.43	157.00	1,463.00	-9.46	4.02	384,819.48	529,920.21		32° 3' 28.596 N	104° 22' 12.677 W
Bottom Salt										
1,500.00	3.80	157.00	1,499.72	-11.60	4.92	384,817.34	529,921.11		32° 3' 28.575 N	104° 22' 12.666 W
1,600.00	4.80	157.00	1,599.44	-18.50	7.85	384,810.44	529,924.04		32° 3' 28.506 N	104° 22' 12.632 W
1,620.00	5.00	157.00	1,619.37	-20.07	8.52	384,808.87	529,924.71		32° 3' 28.491 N	104° 22' 12.624 W
1,688.90	5.00	157.00	1,688.00	-25.60	10.87	384,803.34	529,927.06		32° 3' 28.436 N	104° 22' 12.597 W
Delaware										
1,700.00	5.00	157.00	1,699.06	-26.49	11.24	384,802.45	529,927.44		32° 3' 28.427 N	104° 22' 12.592 W
1,800.00	5.00	157.00	1,798.68	-34.51	14.65	384,794.43	529,930.84		32° 3' 28.348 N	104° 22' 12.553 W
1,900.00	5.00	157.00	1,898.30	-42.53	18.05	384,786.41	529,934.25		32° 3' 28.268 N	104° 22' 12.513 W
2,000.00	5.00	157.00	1,997.92	-50.56	21.46	384,778.38	529,937.65		32° 3' 28.189 N	104° 22' 12.474 W
2,100.00	5.00	157.00	2,097.53	-58.58	24.87	384,770.36	529,941.06		32° 3' 28.110 N	104° 22' 12.434 W
2,200.00	5.00	157.00	2,197.15	-66.60	28.27	384,762.34	529,944.46		32° 3' 28.030 N	104° 22' 12.394 W
2,300.00	5.00	157.00	2,296.77	-74.62	31.68	384,754.31	529,947.87		32° 3' 27.951 N	104° 22' 12.355 W
2,338.37	5.00	157.00	2,335.00	-77.70	32.98	384,751.24	529,949.17		32° 3' 27.920 N	104° 22' 12.340 W
Cherry										
2,400.00	5.00	157.00	2,396.39	-82.65	35.08	384,746.29	529,951.27		32° 3' 27.872 N	104° 22' 12.315 W
2,500.00	5.00	157.00	2,496.01	-90.67	38.49	384,738.27	529,954.68		32° 3' 27.792 N	104° 22' 12.276 W
2,599.99	5.00	157.00	2,595.63	-98.69	41.89	384,730.25	529,958.08		32° 3' 27.713 N	104° 22' 12.236 W
2,699.99	5.00	157.00	2,695.25	-106.71	45.30	384,722.22	529,961.49		32° 3' 27.633 N	104° 22' 12.196 W
2,799.99	5.00	157.00	2,794.87	-114.74	48.70	384,714.20	529,964.89		32° 3' 27.554 N	104° 22' 12.157 W
2,899.99	5.00	157.00	2,894.49	-122.76	52.11	384,706.18	529,968.30		32° 3' 27.475 N	104° 22' 12.117 W
2,999.99	5.00	157.00	2,994.11	-130.78	55.51	384,698.16	529,971.71		32° 3' 27.395 N	104° 22' 12.078 W
3,099.99	5.00	157.00	3,093.73	-138.81	58.92	384,690.13	529,975.11		32° 3' 27.316 N	104° 22' 12.038 W
3,199.99	5.00	157.00	3,193.35	-146.83	62.32	384,682.11	529,978.52		32° 3' 27.236 N	104° 22' 11.998 W
3,299.99	5.00	157.00	3,292.97	-154.85	65.73	384,674.09	529,981.92		32° 3' 27.157 N	104° 22' 11.959 W
3,362.26	5.00	157.00	3,355.00	-159.85	67.85	384,669.09	529,984.04		32° 3' 27.108 N	104° 22' 11.934 W
Brushy										
3,399.99	5.00	157.00	3,392.59	-162.87	69.14	384,666.07	529,985.33		32° 3' 27.078 N	104° 22' 11.919 W
3,499.99	5.00	157.00	3,492.20	-170.90	72.54	384,658.04	529,988.73		32° 3' 26.998 N	104° 22' 11.880 W
3,599.99	5.00	157.00	3,591.82	-178.92	75.95	384,650.02	529,992.14		32° 3' 26.919 N	104° 22' 11.840 W
3,699.99	5.00	157.00	3,691.44	-186.94	79.35	384,642.00	529,995.54		32° 3' 26.840 N	104° 22' 11.800 W
3,799.99	5.00	157.00	3,791.06	-194.96	82.76	384,633.97	529,998.95		32° 3' 26.760 N	104° 22' 11.761 W
3,899.99	5.00	157.00	3,890.68	-202.99	86.16	384,625.95	530,002.35		32° 3' 26.681 N	104° 22' 11.721 W

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Site:	Soup Shop	North Reference:	Grid
Well:	Chicken Noodle Fed Com #402H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Plan v.2		

Planned Survey										
Measured			Vertical			Map		Map		
Depth (usft)	Inclination (°)	Azimuth (°)	Depth (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
3,999.99	5.00	157.00	3,990.30	-211.01	89.57	384,617.93	530,005.76	32° 3' 26.601 N	104° 22' 11.682 W	
4,009.73	5.00	157.00	4,000.00	-211.79	89.90	384,617.15	530,006.09	32° 3' 26.594 N	104° 22' 11.678 W	
4,099.99	4.10	157.00	4,089.98	-218.38	92.70	384,610.56	530,008.89	32° 3' 26.528 N	104° 22' 11.645 W	
4,199.99	3.10	157.00	4,189.78	-224.16	95.15	384,604.78	530,011.34	32° 3' 26.471 N	104° 22' 11.617 W	
4,299.99	2.10	157.00	4,289.68	-228.33	96.92	384,600.61	530,013.11	32° 3' 26.430 N	104° 22' 11.596 W	
4,399.99	1.10	157.00	4,389.64	-230.89	98.01	384,598.05	530,014.20	32° 3' 26.405 N	104° 22' 11.583 W	
4,499.99	0.10	157.00	4,489.63	-231.85	98.42	384,597.09	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
4,509.73	0.00	0.00	4,499.37	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
4,599.99	0.00	0.00	4,589.63	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
4,699.99	0.00	0.00	4,689.63	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
4,799.99	0.00	0.00	4,789.63	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
4,899.99	0.00	0.00	4,889.63	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
4,980.36	0.00	0.00	4,970.00	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
Bone Spring										
4,999.99	0.00	0.00	4,989.63	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
5,075.36	0.00	0.00	5,065.00	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
Upper Avalon										
5,099.99	0.00	0.00	5,089.63	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
5,199.99	0.00	0.00	5,189.63	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
5,299.99	0.00	0.00	5,289.63	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
5,399.99	0.00	0.00	5,389.63	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
5,400.36	0.00	0.00	5,390.00	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
Middle Avalon										
5,499.99	0.00	0.00	5,489.63	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
5,599.99	0.00	0.00	5,589.63	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
5,699.99	0.00	0.00	5,689.63	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
5,715.36	0.00	0.00	5,705.00	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
Lower Avalon										
5,799.99	0.00	0.00	5,789.63	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
5,855.36	0.00	0.00	5,845.00	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
1st BS Sand										
5,899.99	0.00	0.00	5,889.63	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
5,999.99	0.00	0.00	5,989.63	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
6,099.99	0.00	0.00	6,089.63	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
6,165.36	0.00	0.00	6,155.00	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
2nd BS Carb										
6,199.99	0.00	0.00	6,189.63	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
6,299.99	0.00	0.00	6,289.63	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
6,399.99	0.00	0.00	6,389.62	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
6,455.36	0.00	0.00	6,445.00	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
2nd BS Sand										
6,499.99	0.00	0.00	6,489.62	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
6,575.36	0.00	0.00	6,565.00	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
3rd BS Carb										
6,599.99	0.00	0.00	6,589.62	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
6,699.99	0.00	0.00	6,689.62	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
6,799.99	0.00	0.00	6,789.62	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
6,899.99	0.00	0.00	6,889.62	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
6,999.99	0.00	0.00	6,989.62	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
7,099.99	0.00	0.00	7,089.62	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
7,199.99	0.00	0.00	7,189.62	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
7,299.99	0.00	0.00	7,289.62	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
7,399.99	0.00	0.00	7,389.62	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	
7,499.99	0.00	0.00	7,489.62	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W	

Planning Report - Geographic

Database:	EDM 5000.17 WinAuth Users Db	Local Co-ordinate Reference:	Well Chicken Noodle Fed Com #402H
Company:	Tap Rock Resources, LLC (NM)	TVD Reference:	KB @ 3670.00usft (H&P 312)
Project:	CAVERNS	MD Reference:	KB @ 3670.00usft (H&P 312)
Site:	Soup Shop	North Reference:	Grid
Well:	Chicken Noodle Fed Com #402H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Plan v.2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
7,599.98	0.00	0.00	7,589.62	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W
7,677.36	0.00	360.00	7,667.00	-231.86	98.42	384,597.08	530,014.61	32° 3' 26.395 N	104° 22' 11.579 W
7,699.98	2.49	1.60	7,689.62	-231.37	98.43	384,597.57	530,014.62	32° 3' 26.400 N	104° 22' 11.578 W
7,730.45	5.84	1.60	7,720.00	-229.16	98.49	384,599.78	530,014.69	32° 3' 26.422 N	104° 22' 11.578 W
3rd BS Sand									
7,799.98	13.49	1.60	7,788.49	-217.50	98.82	384,611.44	530,015.01	32° 3' 26.537 N	104° 22' 11.574 W
7,899.98	24.49	1.60	7,882.91	-185.02	99.73	384,643.91	530,015.92	32° 3' 26.859 N	104° 22' 11.564 W
7,999.98	35.49	1.60	7,969.39	-135.14	101.12	384,693.80	530,017.31	32° 3' 27.352 N	104° 22' 11.548 W
8,019.42	37.63	1.60	7,985.00	-123.56	101.44	384,705.37	530,017.64	32° 3' 27.467 N	104° 22' 11.544 W
3rd BS W									
8,099.98	46.49	1.60	8,044.75	-69.67	102.95	384,759.27	530,019.14	32° 3' 28.000 N	104° 22' 11.527 W
8,146.13	51.56	1.60	8,075.00	-34.86	103.92	384,794.08	530,020.11	32° 3' 28.345 N	104° 22' 11.515 W
WCMP A-X									
8,199.98	57.49	1.60	8,106.24	8.96	105.15	384,837.90	530,021.34	32° 3' 28.778 N	104° 22' 11.501 W
8,270.48	65.24	1.60	8,140.00	70.77	106.87	384,899.71	530,023.06	32° 3' 29.390 N	104° 22' 11.482 W
WCMP A-Y									
8,299.98	68.49	1.60	8,151.59	97.88	107.63	384,926.82	530,023.82	32° 3' 29.658 N	104° 22' 11.473 W
8,399.98	79.49	1.60	8,179.13	193.82	110.31	385,022.76	530,026.50	32° 3' 30.608 N	104° 22' 11.442 W
8,491.00	89.50	1.60	8,187.85	284.26	112.84	385,113.20	530,029.03	32° 3' 31.503 N	104° 22' 11.413 W
8,499.98	89.50	1.60	8,187.93	293.24	113.09	385,122.18	530,029.28	32° 3' 31.592 N	104° 22' 11.410 W
8,599.98	89.50	1.60	8,188.80	393.20	115.88	385,222.14	530,032.07	32° 3' 32.581 N	104° 22' 11.378 W
8,699.98	89.50	1.60	8,189.67	493.16	118.67	385,322.10	530,034.86	32° 3' 33.570 N	104° 22' 11.346 W
8,799.98	89.50	1.60	8,190.55	593.11	121.46	385,422.05	530,037.65	32° 3' 34.559 N	104° 22' 11.314 W
8,899.98	89.50	1.60	8,191.42	693.07	124.25	385,522.01	530,040.45	32° 3' 35.549 N	104° 22' 11.282 W
8,999.98	89.50	1.60	8,192.29	793.03	127.05	385,621.97	530,043.24	32° 3' 36.538 N	104° 22' 11.250 W
9,099.98	89.50	1.60	8,193.17	892.99	129.84	385,721.92	530,046.03	32° 3' 37.527 N	104° 22' 11.218 W
9,199.98	89.50	1.60	8,194.04	992.94	132.63	385,821.88	530,048.82	32° 3' 38.516 N	104° 22' 11.186 W
9,299.98	89.50	1.60	8,194.91	1,092.90	135.42	385,921.84	530,051.61	32° 3' 39.505 N	104° 22' 11.154 W
9,399.98	89.50	1.60	8,195.78	1,192.86	138.21	386,021.80	530,054.41	32° 3' 40.495 N	104° 22' 11.122 W
9,499.98	89.50	1.60	8,196.66	1,292.81	141.01	386,121.75	530,057.20	32° 3' 41.484 N	104° 22' 11.090 W
9,599.98	89.50	1.60	8,197.53	1,392.77	143.80	386,221.71	530,059.99	32° 3' 42.473 N	104° 22' 11.058 W
9,699.98	89.50	1.60	8,198.40	1,492.73	146.59	386,321.67	530,062.78	32° 3' 43.462 N	104° 22' 11.026 W
9,799.98	89.50	1.60	8,199.27	1,592.69	149.38	386,421.62	530,065.57	32° 3' 44.452 N	104° 22' 10.994 W
9,883.20	89.50	1.60	8,200.00	1,675.87	151.71	386,504.81	530,067.90	32° 3' 45.275 N	104° 22' 10.967 W
WCMP A-L									
9,899.98	89.50	1.60	8,200.15	1,692.64	152.18	386,521.58	530,068.37	32° 3' 45.441 N	104° 22' 10.961 W
9,999.98	89.50	1.60	8,201.02	1,792.60	154.97	386,621.54	530,071.16	32° 3' 46.430 N	104° 22' 10.929 W
10,099.98	89.50	1.60	8,201.89	1,892.56	157.76	386,721.49	530,073.95	32° 3' 47.419 N	104° 22' 10.897 W
10,199.98	89.50	1.60	8,202.76	1,992.51	160.55	386,821.45	530,076.74	32° 3' 48.408 N	104° 22' 10.865 W
10,299.98	89.50	1.60	8,203.64	2,092.47	163.34	386,921.41	530,079.54	32° 3' 49.398 N	104° 22' 10.833 W
10,399.98	89.50	1.60	8,204.51	2,192.43	166.14	387,021.37	530,082.33	32° 3' 50.387 N	104° 22' 10.801 W
10,499.98	89.50	1.60	8,205.38	2,292.38	168.93	387,121.32	530,085.12	32° 3' 51.376 N	104° 22' 10.769 W
10,580.53	89.50	1.60	8,206.09	2,372.91	171.18	387,201.84	530,087.37	32° 3' 52.173 N	104° 22' 10.743 W
10,599.98	89.50	1.21	8,206.26	2,392.34	171.65	387,221.28	530,087.85	32° 3' 52.365 N	104° 22' 10.738 W
10,661.03	89.50	359.99	8,206.79	2,453.39	172.29	387,282.33	530,088.49	32° 3' 52.969 N	104° 22' 10.731 W
10,699.98	89.50	359.99	8,207.13	2,492.33	172.29	387,321.27	530,088.48	32° 3' 53.355 N	104° 22' 10.731 W
10,799.98	89.50	359.99	8,208.00	2,592.33	172.27	387,421.27	530,088.46	32° 3' 54.344 N	104° 22' 10.731 W
10,899.98	89.50	359.99	8,208.87	2,692.33	172.25	387,521.26	530,088.44	32° 3' 55.334 N	104° 22' 10.732 W
10,999.98	89.50	359.99	8,209.75	2,792.32	172.23	387,621.26	530,088.43	32° 3' 56.324 N	104° 22' 10.733 W
11,099.98	89.50	359.99	8,210.62	2,892.32	172.22	387,721.26	530,088.41	32° 3' 57.313 N	104° 22' 10.733 W
11,199.98	89.50	359.99	8,211.49	2,992.31	172.20	387,821.25	530,088.39	32° 3' 58.303 N	104° 22' 10.734 W
11,299.98	89.50	359.99	8,212.36	3,092.31	172.18	387,921.25	530,088.37	32° 3' 59.292 N	104° 22' 10.734 W
11,399.98	89.50	359.99	8,213.24	3,192.31	172.16	388,021.24	530,088.36	32° 4' 0.282 N	104° 22' 10.735 W
11,499.98	89.50	359.99	8,214.11	3,292.30	172.15	388,121.24	530,088.34	32° 4' 1.272 N	104° 22' 10.736 W

Planning Report - Geographic

Database:	EDM 5000.17 WinAuth Users Db	Local Co-ordinate Reference:	Well Chicken Noodle Fed Com #402H
Company:	Tap Rock Resources, LLC (NM)	TVD Reference:	KB @ 3670.00usft (H&P 312)
Project:	CAVERNS	MD Reference:	KB @ 3670.00usft (H&P 312)
Site:	Soup Shop	North Reference:	Grid
Well:	Chicken Noodle Fed Com #402H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Plan v.2		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
11,599.98	89.50	359.99	8,214.98	3,392.30	172.13	388,221.24	530,088.32	32° 4' 2.261 N	104° 22' 10.736 W
11,699.98	89.50	359.99	8,215.85	3,492.29	172.11	388,321.23	530,088.30	32° 4' 3.251 N	104° 22' 10.737 W
11,799.98	89.50	359.99	8,216.73	3,592.29	172.09	388,421.23	530,088.29	32° 4' 4.240 N	104° 22' 10.737 W
11,899.98	89.50	359.99	8,217.60	3,692.29	172.08	388,521.22	530,088.27	32° 4' 5.230 N	104° 22' 10.738 W
11,999.98	89.50	359.99	8,218.47	3,792.28	172.06	388,621.22	530,088.25	32° 4' 6.219 N	104° 22' 10.739 W
12,099.98	89.50	359.99	8,219.34	3,892.28	172.04	388,721.22	530,088.23	32° 4' 7.209 N	104° 22' 10.739 W
12,199.98	89.50	359.99	8,220.22	3,992.27	172.02	388,821.21	530,088.22	32° 4' 8.199 N	104° 22' 10.740 W
12,299.98	89.50	359.99	8,221.09	4,092.27	172.01	388,921.21	530,088.20	32° 4' 9.188 N	104° 22' 10.740 W
12,399.98	89.50	359.99	8,221.96	4,192.27	171.99	389,021.20	530,088.18	32° 4' 10.178 N	104° 22' 10.741 W
12,499.98	89.50	359.99	8,222.84	4,292.26	171.97	389,121.20	530,088.16	32° 4' 11.167 N	104° 22' 10.742 W
12,599.98	89.50	359.99	8,223.71	4,392.26	171.96	389,221.20	530,088.15	32° 4' 12.157 N	104° 22' 10.742 W
12,699.97	89.50	359.99	8,224.58	4,492.25	171.94	389,321.19	530,088.13	32° 4' 13.147 N	104° 22' 10.743 W
12,799.97	89.50	359.99	8,225.45	4,592.25	171.92	389,421.19	530,088.11	32° 4' 14.136 N	104° 22' 10.743 W
12,899.97	89.50	359.99	8,226.33	4,692.25	171.90	389,521.18	530,088.09	32° 4' 15.126 N	104° 22' 10.744 W
12,999.97	89.50	359.99	8,227.20	4,792.24	171.89	389,621.18	530,088.08	32° 4' 16.115 N	104° 22' 10.745 W
13,099.97	89.50	359.99	8,228.07	4,892.24	171.87	389,721.18	530,088.06	32° 4' 17.105 N	104° 22' 10.745 W
13,199.97	89.50	359.99	8,228.94	4,992.23	171.85	389,821.17	530,088.04	32° 4' 18.095 N	104° 22' 10.746 W
13,299.97	89.50	359.99	8,229.82	5,092.23	171.83	389,921.17	530,088.02	32° 4' 19.084 N	104° 22' 10.746 W
13,399.97	89.50	359.99	8,230.69	5,192.23	171.82	390,021.16	530,088.01	32° 4' 20.074 N	104° 22' 10.747 W
13,499.97	89.50	359.99	8,231.56	5,292.22	171.80	390,121.16	530,087.99	32° 4' 21.063 N	104° 22' 10.748 W
13,599.97	89.50	359.99	8,232.43	5,392.22	171.78	390,221.16	530,087.97	32° 4' 22.053 N	104° 22' 10.748 W
13,699.97	89.50	359.99	8,233.31	5,492.21	171.76	390,321.15	530,087.95	32° 4' 23.043 N	104° 22' 10.749 W
13,799.97	89.50	359.99	8,234.18	5,592.21	171.75	390,421.15	530,087.94	32° 4' 24.032 N	104° 22' 10.749 W
13,899.97	89.50	359.99	8,235.05	5,692.21	171.73	390,521.14	530,087.92	32° 4' 25.022 N	104° 22' 10.750 W
13,999.97	89.50	359.99	8,235.93	5,792.20	171.71	390,621.14	530,087.90	32° 4' 26.011 N	104° 22' 10.751 W
14,099.97	89.50	359.99	8,236.80	5,892.20	171.69	390,721.14	530,087.89	32° 4' 27.001 N	104° 22' 10.751 W
14,199.97	89.50	359.99	8,237.67	5,992.19	171.68	390,821.13	530,087.87	32° 4' 27.990 N	104° 22' 10.752 W
14,299.97	89.50	359.99	8,238.54	6,092.19	171.66	390,921.13	530,087.85	32° 4' 28.980 N	104° 22' 10.752 W
14,399.97	89.50	359.99	8,239.42	6,192.19	171.64	391,021.12	530,087.83	32° 4' 29.970 N	104° 22' 10.753 W
14,499.97	89.50	359.99	8,240.29	6,292.18	171.62	391,121.12	530,087.82	32° 4' 30.959 N	104° 22' 10.753 W
14,599.97	89.50	359.99	8,241.16	6,392.18	171.61	391,221.12	530,087.80	32° 4' 31.949 N	104° 22' 10.754 W
14,699.97	89.50	359.99	8,242.03	6,492.17	171.59	391,321.11	530,087.78	32° 4' 32.938 N	104° 22' 10.755 W
14,799.97	89.50	359.99	8,242.91	6,592.17	171.57	391,421.11	530,087.76	32° 4' 33.928 N	104° 22' 10.755 W
14,899.97	89.50	359.99	8,243.78	6,692.17	171.55	391,521.10	530,087.75	32° 4' 34.918 N	104° 22' 10.756 W
14,999.97	89.50	359.99	8,244.65	6,792.16	171.54	391,621.10	530,087.73	32° 4' 35.907 N	104° 22' 10.756 W
15,099.97	89.50	359.99	8,245.52	6,892.16	171.52	391,721.10	530,087.71	32° 4' 36.897 N	104° 22' 10.757 W
15,199.97	89.50	359.99	8,246.40	6,992.15	171.50	391,821.09	530,087.69	32° 4' 37.886 N	104° 22' 10.758 W
15,299.97	89.50	359.99	8,247.27	7,092.15	171.48	391,921.09	530,087.68	32° 4' 38.876 N	104° 22' 10.758 W
15,399.97	89.50	359.99	8,248.14	7,192.15	171.47	392,021.08	530,087.66	32° 4' 39.866 N	104° 22' 10.759 W
15,499.97	89.50	359.99	8,249.02	7,292.14	171.45	392,121.08	530,087.64	32° 4' 40.855 N	104° 22' 10.759 W
15,599.97	89.50	359.99	8,249.89	7,392.14	171.43	392,221.08	530,087.62	32° 4' 41.845 N	104° 22' 10.760 W
15,699.97	89.50	359.99	8,250.76	7,492.13	171.41	392,321.07	530,087.61	32° 4' 42.834 N	104° 22' 10.761 W
15,799.97	89.50	359.99	8,251.63	7,592.13	171.40	392,421.07	530,087.59	32° 4' 43.824 N	104° 22' 10.761 W
15,872.45	89.50	359.99	8,252.27	7,664.61	171.38	392,493.55	530,087.58	32° 4' 44.541 N	104° 22' 10.762 W

Planning Report - Geographic

Database:	EDM 5000.17 WinAuth Users Db	Local Co-ordinate Reference:	Well Chicken Noodle Fed Com #402H
Company:	Tap Rock Resources, LLC (NM)	TVD Reference:	KB @ 3670.00usft (H&P 312)
Project:	CAVERNS	MD Reference:	KB @ 3670.00usft (H&P 312)
Site:	Soup Shop	North Reference:	Grid
Well:	Chicken Noodle Fed Com #402H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Plan v.2		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
39.00	39.00	RSTLR		0.00		
363.00	363.00	Top Salt				
1,463.21	1,463.00	Bottom Salt				
1,688.90	1,688.00	Delaware				
2,338.37	2,335.00	Cherry				
3,362.26	3,355.00	Brushy				
4,980.36	4,970.00	Bone Spring				
5,075.36	5,065.00	Upper Avalon				
5,400.36	5,390.00	Middle Avalon				
5,715.36	5,705.00	Lower Avalon				
5,855.36	5,845.00	1st BS Sand				
6,165.36	6,155.00	2nd BS Carb				
6,455.36	6,445.00	2nd BS Sand				
6,575.36	6,565.00	3rd BS Carb				
7,730.45	7,720.00	3rd BS Sand				
8,019.42	7,985.00	3rd BS W				
8,146.13	8,075.00	WCMP A-X				
8,270.48	8,140.00	WCMP A-Y				
9,883.20	8,200.00	WCMP A-L				

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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

CONDITIONS

Action 163142

CONDITIONS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 163142
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Adhere to previous NMOCD Conditions of Approval	12/2/2022