

Well Name: NAILED IT FED COM	Well Location: T26S / R30E / SEC 36 / LOT 3 / 32.0007878 / -103.8369587	County or Parish/State: EDDY / NM
Well Number: 222H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM138850	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001546887	Well Status: Drilling Well	Operator: TAP ROCK OPERATING LLC

Notice of Intent

Type of Submission: Notice of Intent	Type of Action Other
Date Sundry Submitted: 08/10/2021	Time Sundry Submitted: 01:25
Date proposed operation will begin: 08/09/2021	

Procedure Description: Tap Rock Operating, LLC is requesting permission to alter the drill plan for the Nailed it Fed Com 222H. Tap Rock would like to move the current Bottom Hole location and the total vertical depth of the well. Previously approved Bottom Hole location: 2465 FSL, 2010 FWL, Section 25, Township 26S, Range 30E Requested Bottom hole location: 2464 FSL, 1590 FWL, Section 25, Township 26S, Range 30E The total depth of this well would change from 15962 ft MD to 16238 ft MD. Please see the attached Drill Plan, C-102, and Directional Survey for more detail.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- Nailed_It_222_BHL_MOVE_Submitted_20210809_20210810132414.pdf
- APD_Drilling_Plan___Nailed_It_222H_8.10.Final_20210810132410.pdf
- Nailed_It_Fed_Com_222H_Plan_4_20210810132408.pdf

Received by OCD: 8/17/2021 3:38:33 PM

Page 2 of 23

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Lease Number: NMNM138850	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001546887	Well Status: Drilling Well	Operator: TAP ROCK OPERATING LLC

Operator Certification

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 submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: BILL RAMSEY	Signed on: AUG 10, 2021 01:24 PM
Name: TAP ROCK OPERATING LLC	
Title: Regulatory Analyst	
Street Address: 523 PARK POINT DRIVE SUITE 200	
City: GOLDEN	State: CO
Phone: (720) 360-4028	
Email address: BRAMSEY@TAPRK.COM	

Field Representative

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: 08/17/2021
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 30-015-46887	² Pool Code 98220	³ Pool Name PURPLE SAGE: WOLFCAMP (GAS)
⁴ Property Code 327308	⁵ Property Name NAILED IT FED COM	
⁷ OGRID No. 372043	⁸ Operator Name TAP ROCK OPERATING, LLC.	⁶ Well Number 222H ⁹ Elevation 3018'

¹⁰Surface Location

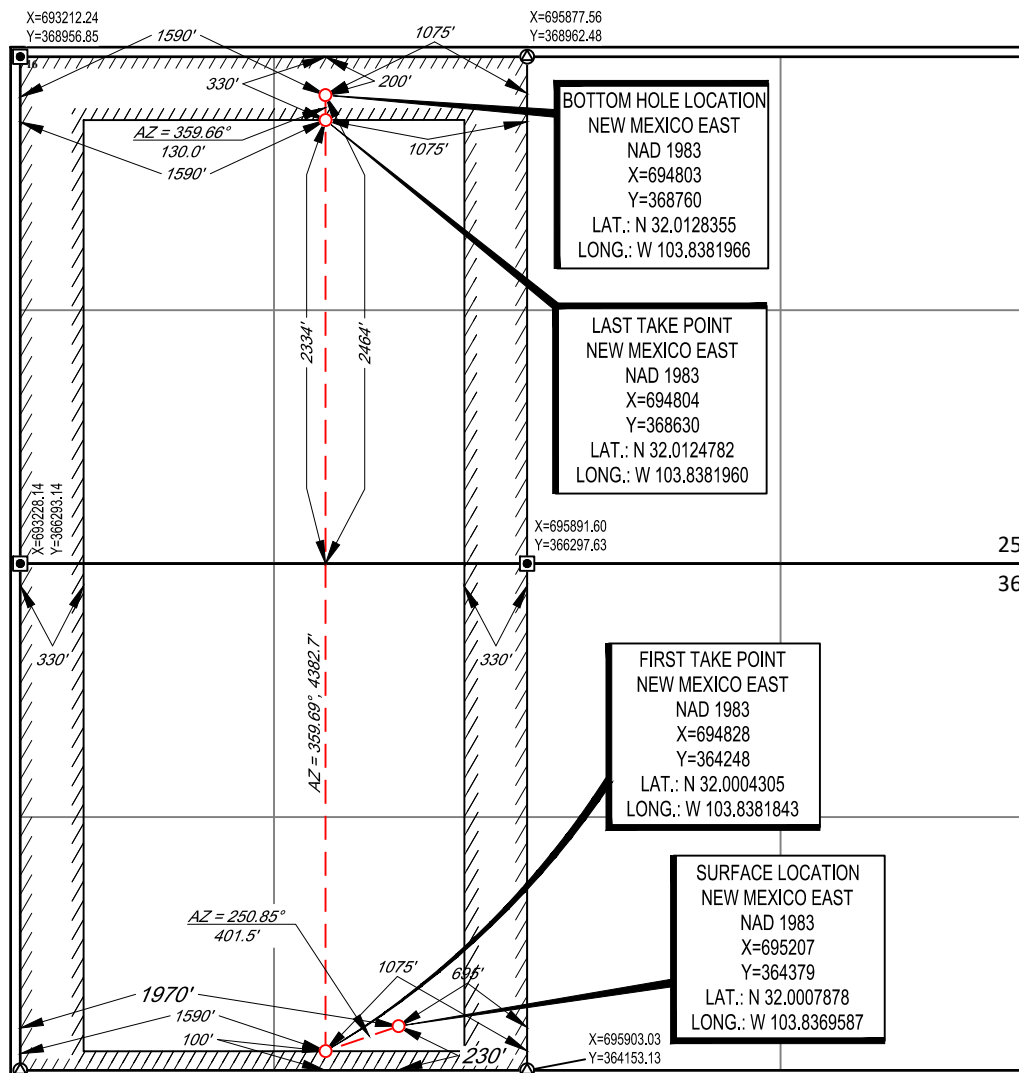
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
3	36	26-S	30-E	-	230'	SOUTH	1970'	WEST	EDDY

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
K	25	26-S	30-E	-	2464'	SOUTH	1590'	WEST	EDDY

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

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.

Raney

8/9/2021

Signature _____

Date _____

Bill Ramsey

Printed Name _____

bramsey@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.

08/04/2021

Date of Survey
Signature and Seal of Professional Surveyor

Signature and Seal of Professional Surveyor

PAVEMENT

λ

(24508)

11/11/20

For

OFFICE



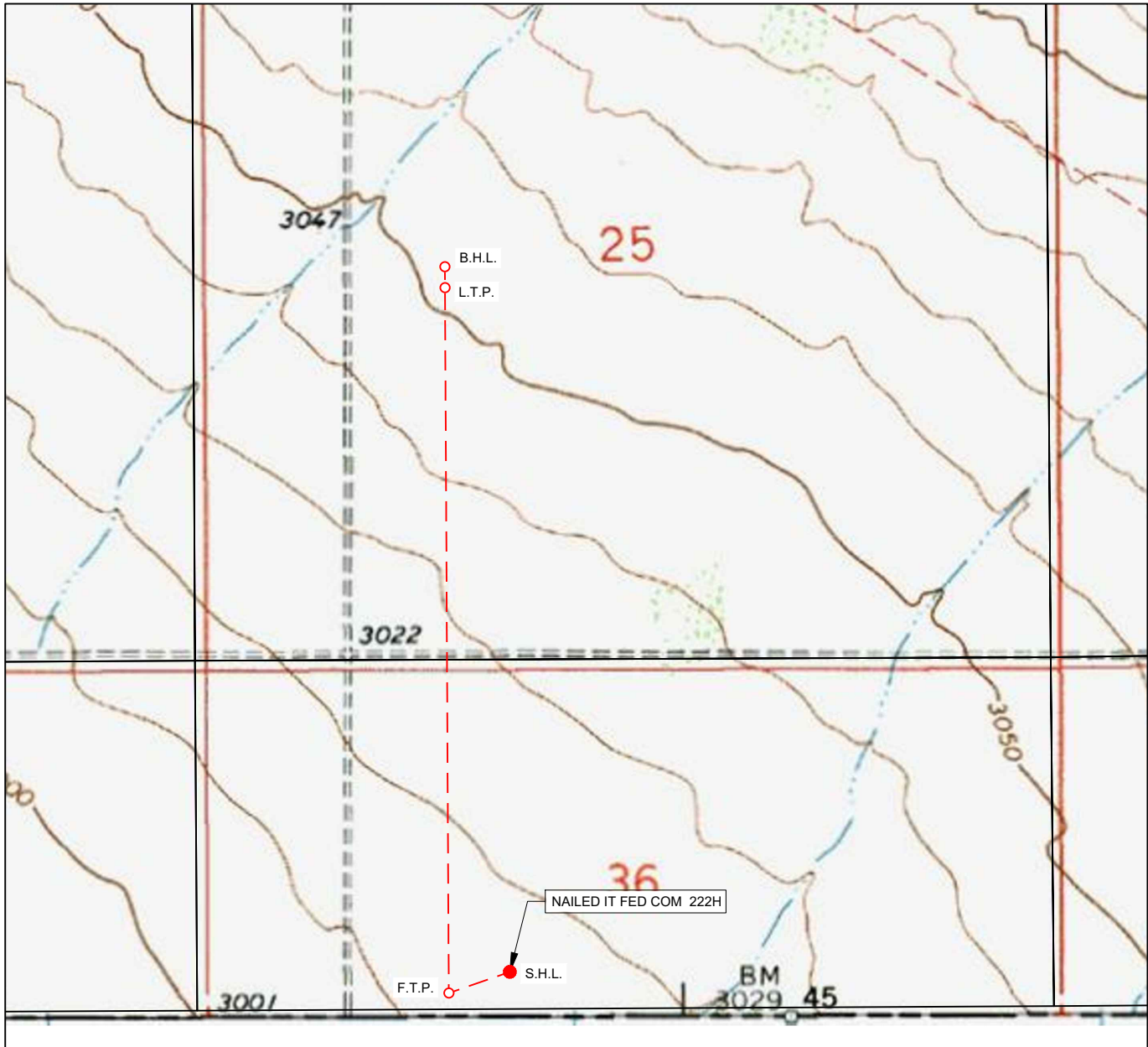
PROFESSIONAL SOCIETY

PERSONAL

Certificate Number

Cell Phone Number:

LOCATION & ELEVATION VERIFICATION MAP

LEASE NAME & WELL NO.: NAILED IT FED COM 222H

SECTION 36 TWP 26-S RGE 30-E SURVEY N.M.P.M.
 COUNTY EDDY STATE NM ELEVATION 3018'
 DESCRIPTION 230' FSL & 1970' FWL

LATITUDE N 32.0007878 LONGITUDE W 103.8369587

SCALE: 1" = 1000'
 0' 500' 1000'

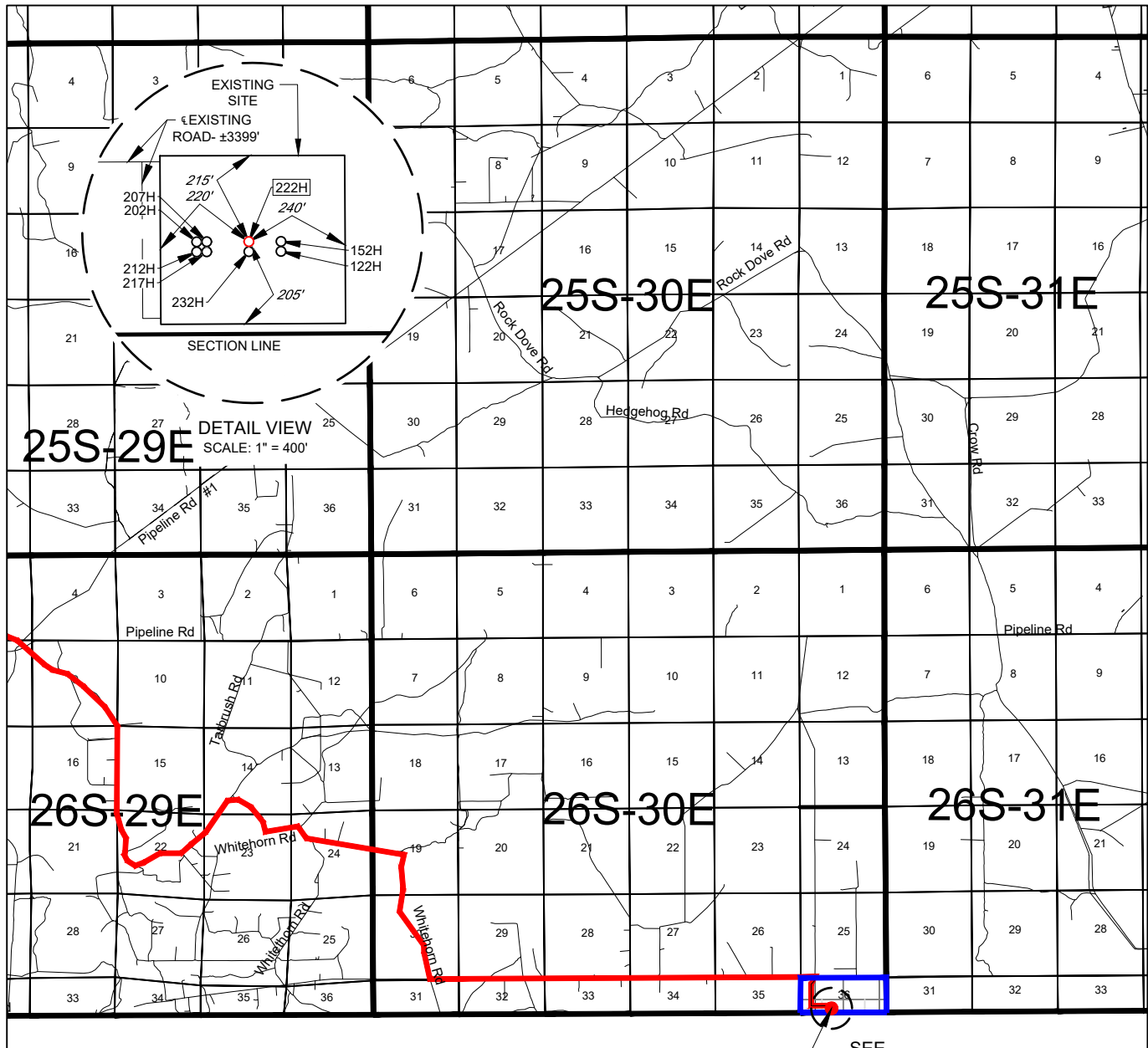
THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY TAP ROCK OPERATING, LLC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM, EAST ZONE OF THE NORTH AMERICAN DATUM 1983, U.S. SURVEY FEET.



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

EXHIBIT 2
VICINITY MAPLEASE NAME & WELL NO.: NAILED IT FED COM 222HSECTION 36 TWP 26-S RGE 30-E SURVEY N.M.P.M.
COUNTY EDDY STATE NM
DESCRIPTION 230' FSL & 1970' FWL

DISTANCE & DIRECTION

FROM INT. OF US-285 & COUNTY RD 720, GO SOUTH ON US-285 ±12.6 MILES,
THENCE NORTHEAST (LEFT) ON WHITEHORN RD. ±2.4 MILES, THENCE NORTH
(LEFT) ON LONGHORN RD. ±6.6 MILES, THENCE SOUTHEAST (RIGHT) ON
LONGHORN RD. ±4.0 MILES, THENCE EAST (LEFT) ON STATE LINE RD. ±4.4
MILES, THENCE SOUTH (RIGHT) ON A PROPOSED RD. ±2964 FEET TO A POINT
±297 FEET NORTHWEST OF THE LOCATION.

THIS EASEMENT/SERVITUDE 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.

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MEXICO COORDINATE SYSTEM, EAST ZONE OF THE NORTH AMERICAN DATUM 1983, U.S. SURVEY FEET.

SCALE: 1" = 10000'

0' 5000' 10000'



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

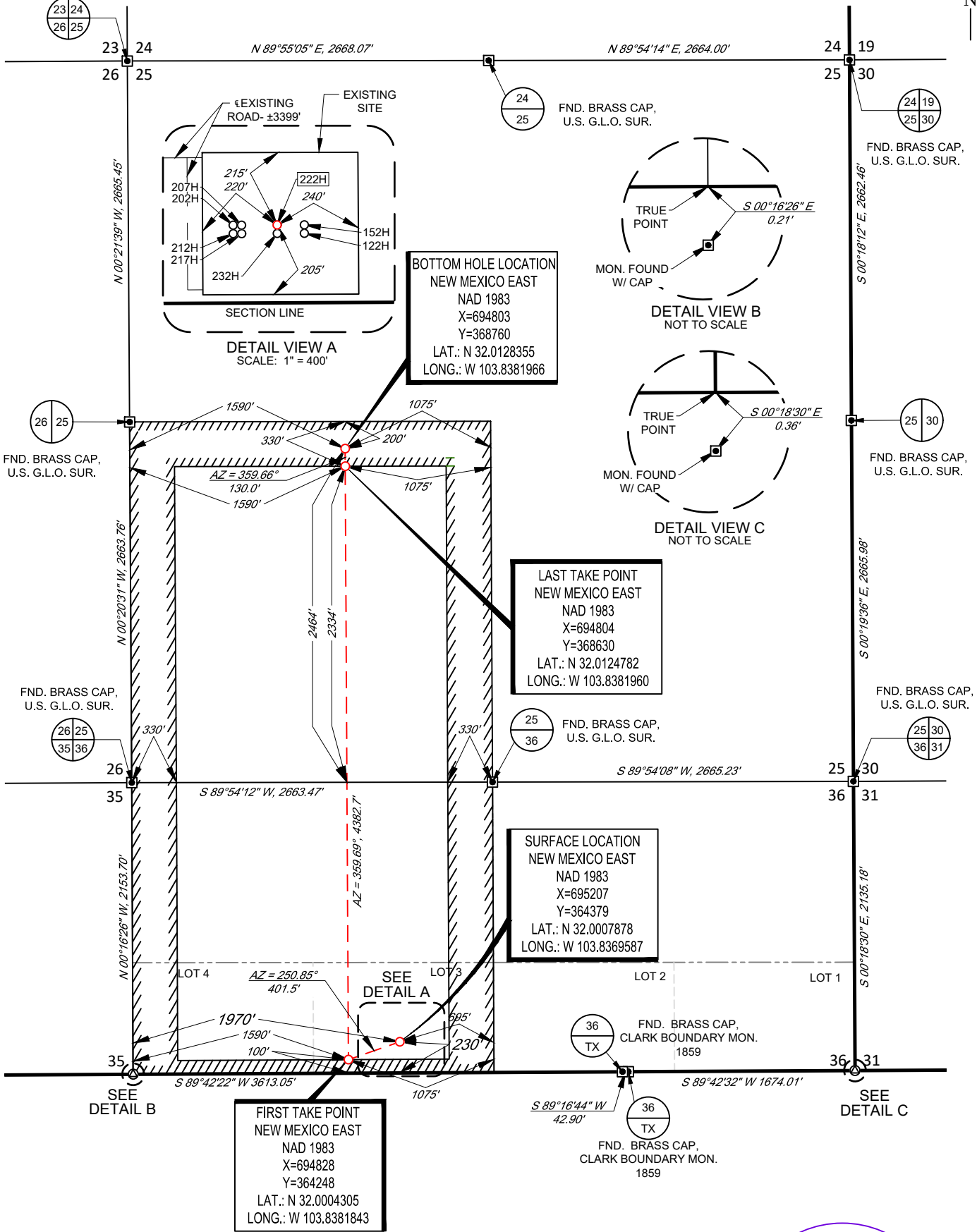
1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
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WWW.TOPOGRAPHIC.COM

TAP
ROCK
EXHIBIT 2A

SCALE: 1" = 1000'
0' 500' 1000'

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

SECTION 36, TOWNSHIP 26-S, RANGE 30-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO



LEASE NAME & WELL NO.: NAILED IT FED COM 222H

SECTION 36 TWP 26-S RGE 30-E SURVEY N.M.P.M.
COUNTY EDDY STATE NM
DESCRIPTION 230' FSL & 1970' FWL

DISTANCE & DIRECTION
FROM INT. OF US-285 & COUNTY RD 720, GO SOUTH ON US-285 ±12.6 MILES,
THENCE NORTHEAST (LEFT) ON WHITEHORN RD. ±2.4 MILES, THENCE NORTH
(LEFT) ON LONGHORN RD. ±6.6 MILES, THENCE SOUTHEAST (RIGHT) ON
LONGHORN RD. ±4.0 MILES, THENCE EAST (LEFT) ON STATE LINE RD. ±4.4
MILES, THENCE SOUTH (RIGHT) ON A PROPOSED RD. ±2964 FEET TO A POINT
±297 FEET NORTHWEST OF THE LOCATION.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID
BASED UPON THE NEW MEXICO COORDINATE SYSTEM, EAST ZONE OF THE NORTH
AMERICAN DATUM 1983, U.S. SURVEY FEET

THIS EASEMENT/SERVITUDE 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.



Ramon A. Dominguez, P.S. No. 24508
AUGUST 5, 2021



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

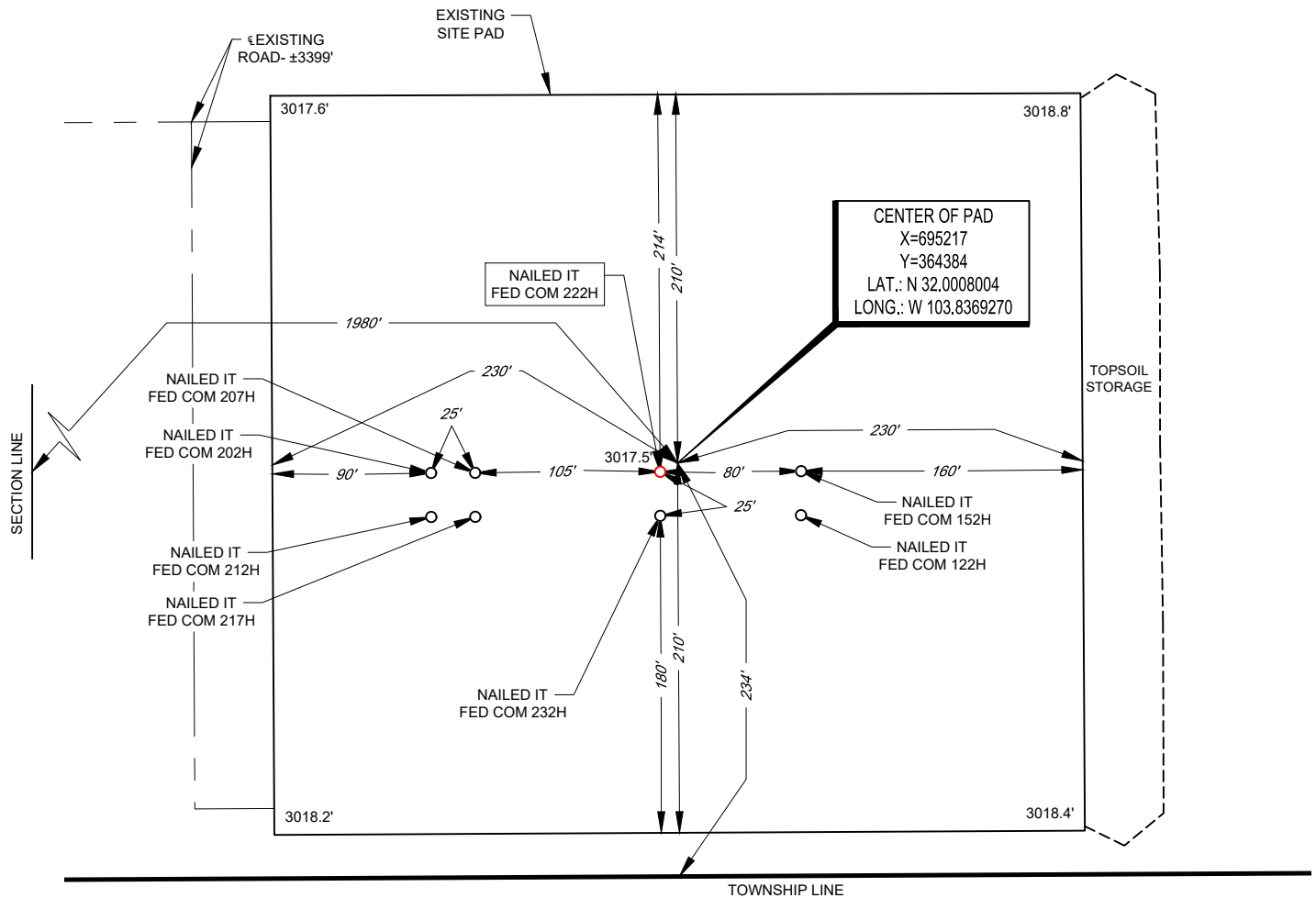
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TELEPHONE: (817) 744-7512 • FAX (817) 744-7554
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EXHIBIT 2B



SECTION 36, TOWNSHIP 26-S, RANGE 30-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

DETAIL VIEW
SCALE: 1" = 100'



LEASE NAME & WELL NO.: _____ NAILED IT FED COM 222H
222H LATITUDE _____ N 32.0007878 _____ 222H LONGITUDE _____ W 103.8369587

CENTER OF PAD IS 234' FSL & 1980' FWL

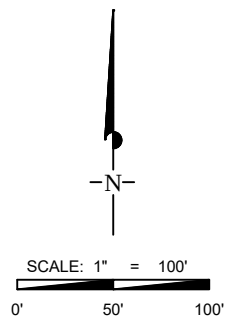


Ramon A. Dominguez, P.S. No. 24508

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET. ELEVATIONS USED ARE NAVD88, OBTAINED THROUGH AN OPUS SOLUTION.

THIS PROPOSED PAD SITE 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.

ORIGINAL DOCUMENT SIZE: 8.5" X 11"



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2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
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Drilling Operations Plan
 Nailed It Fed Com #222H
 Tap Rock Operating, LLC
 SHL 230' FSL & 1970' FWL, Sec. 36
 BHL 2464' FSL & 1590' FWL, Sec. 25
 T. 26S, R. 30E Eddy County, NM

Elevation above Sea Level: 3018'

DRILLING PROGRAM

1. Estimated Tops

Formation	TVD	MD	Lithologies	Bearing
Quaternary Deposits	0	0	Surface	None
Rustler Anhydrite	1105	1105		Salt
Salado	1340	1340	Salt	Salt
Base Salt	3420	3437		Salt
Lamar	3615	3633	Limestone	None
Bell Canyon	3635	3653	Sandstone	Hydrocarbons
Cherry Canyon	4795	4814	Sandstone	Hydrocarbons
Brushy Canyon	5715	5734	Sandstone	Hydrocarbons
Bone Spring	7500	7519	Limestone	Hydrocarbons
1st Bone Spring	8430	8449	Sandstone	Hydrocarbons
2nd Bone Spring	8915	8934	Sandstone	Hydrocarbons
3rd Bone Spring	9650	9669	Sandstone	Hydrocarbons
Wolfcamp A	10730	10749	Shale	Hydrocarbons
KOP	11312	11331	Shale	Hydrocarbons
TD	11892	16237	Shale	Hydrocarbons

2. Notable Zones

Wolfcamp is the target formation.

3. Pressure Control

Pressure Control Equipment (See Schematics):

A 15,000' a 5,000 psi BOP stack consisting of 3 rams with 2 pipe rams, 1 blind ram, and 1 annular preventer will be used below surface casing to TD. See attachments for BOP and choke manifold diagrams. Also present will be an accumulator that meets the requirements of Onshore Order #2 for the pressure rating of the BOP stack. A rotating head will also be installed as needed. BOP will be inspected and operated as recommended in Onshore Order #2. A top drive check valve and sub equipped with a full opening valve sized to fit the drill pipe and collars will be available on the rig floor in the open position. The wellhead will be a multi-bowl speed head.

BOP Test procedure will be as follows:

After surface casing is set and the BOP is nipped up, the BOP pressure tests will be made with a third party tester to 250 psi low, 5000 psi high, and the annular preventer will be tested to 2,500 psi. The BOP



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Nailed It Fed Com #222H
Tap Rock Operating, LLC
SHL 230' FSL & 1970' FWL, Sec. 36
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T. 26S, R. 30E Eddy County, NM

will be tested in this manner after nipple-up if any break of the stack occurs. Before drilling out from 7.625" casing shoe, the BOP pressure tests will be made with a third party tester to 250 psi low, 10,000 psi high, and the annular preventer will be tested to 5,000 psi. The BOP will be tested in this manner if passage of allotted time occurs.

Variance Requests:

Tap Rock requests a variance to run a multi-bowl speed head for setting the Intermediate 1, Intermediate 2, and Production Strings. Tap Rock requests a variance to drill this well using a co-flex line between the BOP and choke manifold. Certification for proposed co-flex hose is attached. The hose is not required by the manufacturer to be anchored. In the event the specific hose is not available, one of equal or higher rating will be used. Tap Rock requests a variance to have the option of batch drilling this well with other wells on the same pad. In the event that this well is batch drilled, after drilling surface, 1st intermediate, and 2nd intermediate hole sections and cementing 2nd intermediate casing, a 10M dry hole cap with bleed off valve will be installed. The rig will then walk to another well on the pad. When the rig returns to this well and BOPs are installed, the operator will perform a full BOP test. Tap Rock requests a variance to run 7-5/8" BTC casing inside 9-5/8" BTC casing will be less than the 0.422" stand off regulation. Through conversations with BLM representatives, Tap Rock has received approval for this design as long as the 7-5/8" flush casing was run throughout the entire 300' cement tie back section between 9-5/8" and 7-5/8" casing. Tap Rock requests a variance to use a 5000 psi annular BOP on a 10M BOP stack. The annular will be tested to 250 psi low and 5000 psi high.

4. Casing & Cement

All Casing will be new.

Casing Size	Standard	Tapered	Top MD	Bottom MD	Top TVD	BTM TVD	Grade	Weight	Thread	Collapse	Burst	Tension
13.375	API	No	0	1180	0	1180	J-55	54.5	BUTT	1.13	1.15	1.6
9.625	API	No	0	3683	0	3665	J-55	40	BUTT	1.13	1.15	1.6
7.625	API	No	0	3383	0	3365	P-110	29.7	BUTT	1.13	1.15	1.6
7.625	NON API	No	3383	11231	3365	11212	P-110	29.7	W441	1.13	1.15	1.6
5.5	NON API	No	0	11031	0	11012	P-110	20	TXP	1.13	1.15	1.6
5.5	NON API	No	11031	16237	11012	11892	P-110	20	W441	1.13	1.15	1.6

Name	Type	Top MD	Sacks	Yield	Cu. Ft	Weight	Excess	Cement	Additives
Surface	Lead	0	657	1.65	1084	13.5	100%	C	5% NCI + LCM
	Tail	780	412	1.35	556	14.8	100%	C	5% NCI + LCM
1st Intermediate	Lead	0	698	2.18	1522	12.7	65%	C	Bentonite + 1% CaCL2 + 8% NaCl + LCM
	Tail	2946	286	1.33	381	14.8	65%	C	5% NaCl + LCM
2nd Intermediate	Lead	3383	324	2.87	929	11.5	35%	TXI	Fluid Loss + Dispersant + Retarder + LCM
	Tail	10231	87	1.56	136	13.2	35%	H	Fluid Loss + Dispersant + Retarder + LCM
Production	Tail	10731	336	1.71	575	14.2	25%	H	Fluid Loss + Dispersant + Retarder + LCM



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 T. 26S, R. 30E Eddy County, NM

5. Mud Program

Name	Top	Bottom	Type	Mud Weight	Visc	Fluid Loss
Surface	0	1180	FW Spud Mud	8.30	28	NC
Intermediate	1180	3683	Brine Water	10.00	30-32	NC
Intermediate 2	3683	11231	FW/Cut Brine	9.50	30-32	NC
Production	11231	16237	Oil Base Mud	13.50	50-70	<10

Electronic Pason mud monitor system complying with Onshore Order 1 will be used. All necessary mud products (e. g., barite, cedar bark) for weight addition and fluid loss control will always be on site. Mud program is subject to change due to hole conditions. A closed loop system will be used.

6. Cores, Tests, & Logs

- Electric Logging Program: No open-hole logs are planned at this time for the pilot hole.
- GR will be collected while drilling through the MWD tools from 9.625" casing shoe to TD.
- A 2-person mud logging program will be used from 9.625" casing shoe to TD.
- No DSTs or cores are planned at this time.
- CBL w/ CCL from as far as gravity will let it fall to TOC.

7. Down Hole Conditions

No abnormal pressure or temperature is expected. Maximum expected bottom hole pressure is ≈8,438 psi. Expected bottom hole temperature is ≈170° F.

Tap Rock does not anticipate that there will be enough H₂S from the surface to the Wolfcamp formations to meet the BLM's Onshore Order 6 requirements for the submission of an "H₂S Drilling Operation Plan" or "Public Protection Plan" for drilling and completing this well. Tap Rock has an H₂S safety package on all wells and an "H₂S Drilling Operations Plan" is attached. Adequate flare lines will be installed off the mud/gas separator where gas may be safely flared. All personnel will be familiar with all aspects of safe operation of equipment being used.

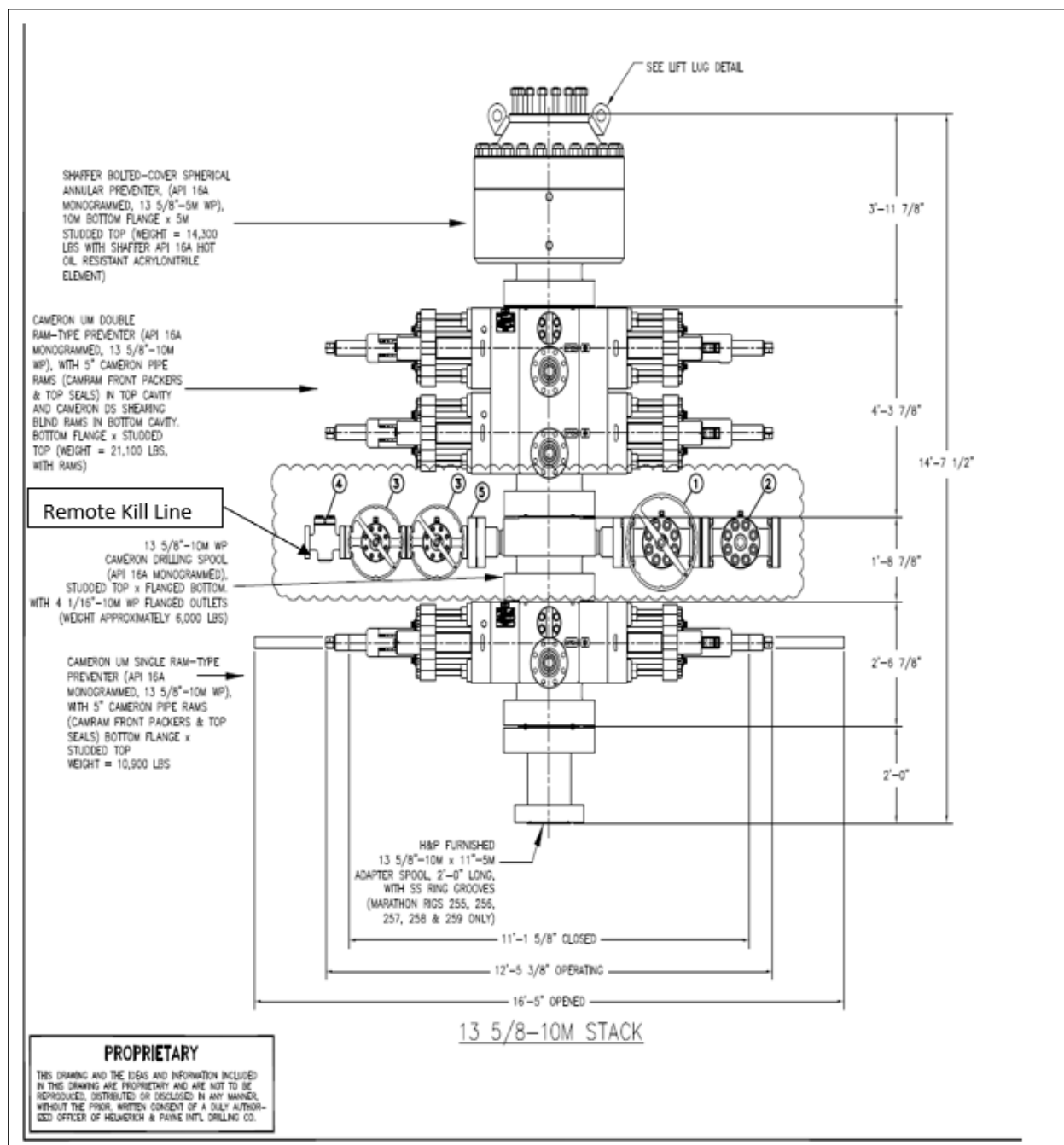
8. Other Information

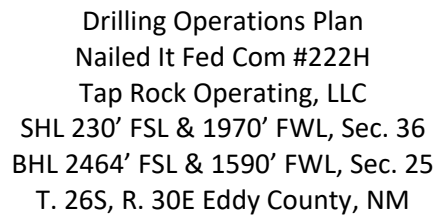
Road and location construction will begin after BLM approval of APD. Anticipated spud date as soon as approved. Drilling expected to take 30 days. If production casing is run an additional 60 days will be required to complete and construct surface facilities.



Drilling Operations Plan
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10,000 psi BOP Stack

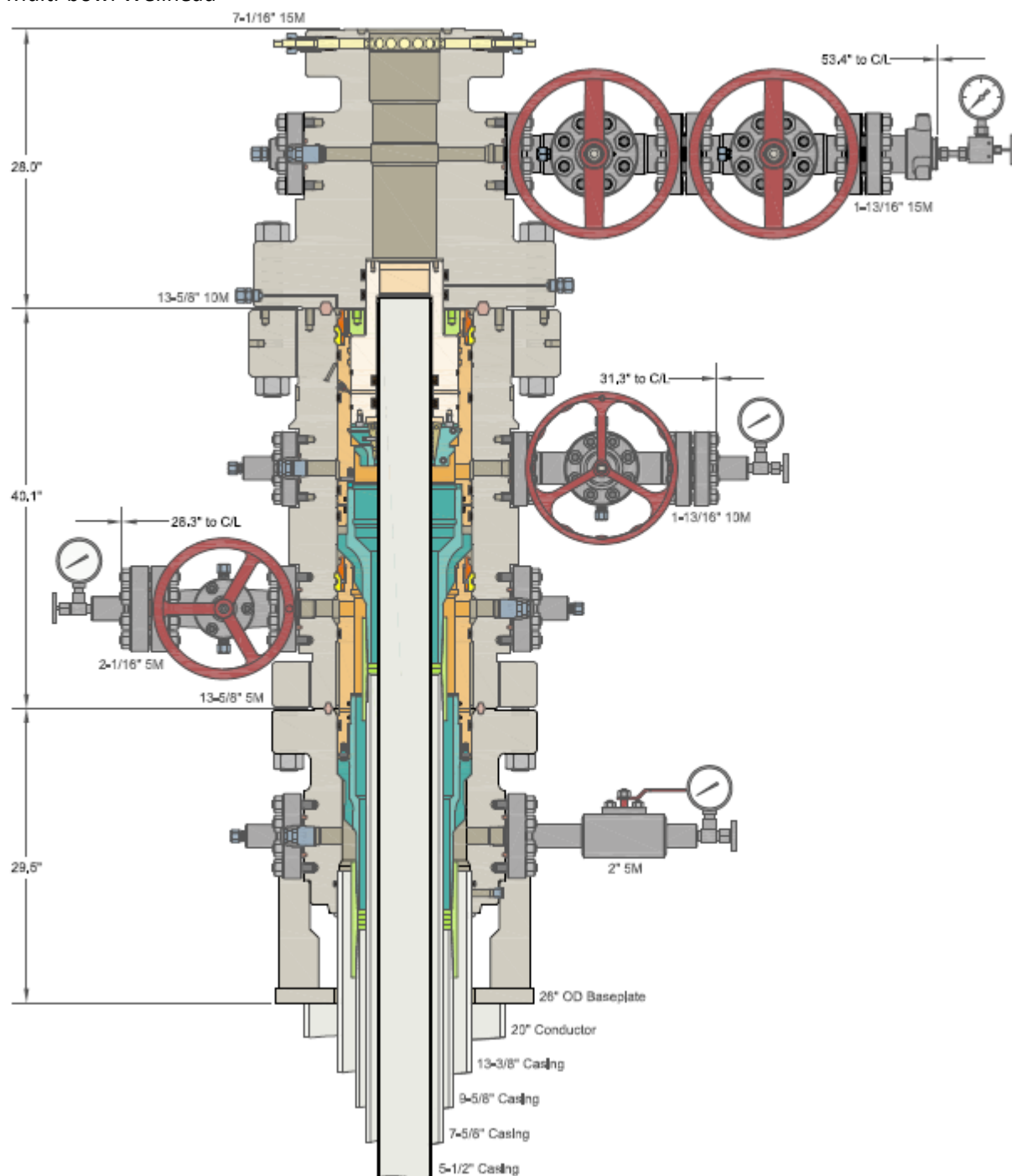






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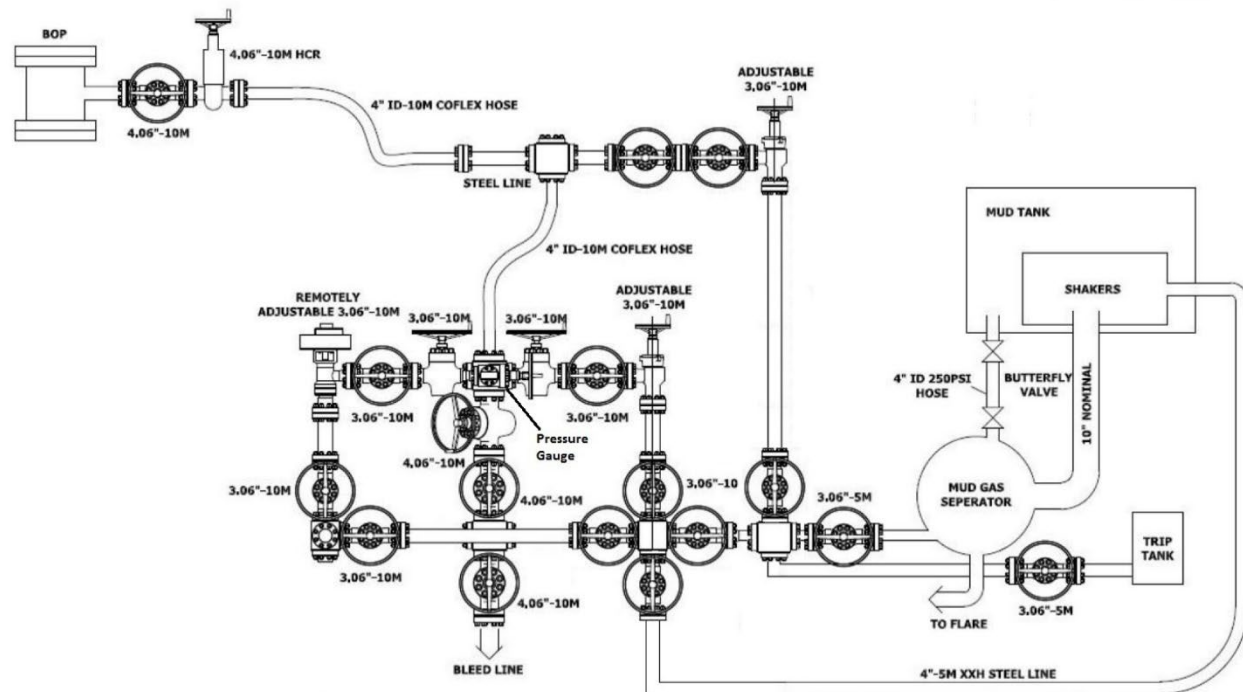
Multi-bowl Wellhead





Drilling Operations Plan
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T. 26S, R. 30E Eddy County, NM

10M Choke Layout





Tap Rock Resources, LLC

**Eddy County, NM (NAD 83 NME)
(Nailed It) Sec-36_T-26-S_R-30-E
Nailed It Fed Com #222H**

OWB

Plan: Plan #4

Standard Planning Report

10 August, 2021





Intrepid Planning Report



Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well Nailed It Fed Com #222H
Company:	Tap Rock Resources, LLC	TVD Reference:	3018+26 @ 3044.0usft (H&P 312)
Project:	Eddy County, NM (NAD 83 NME)	MD Reference:	3018+26 @ 3044.0usft (H&P 312)
Site:	(Nailed It) Sec-36_T-26-S_R-30-E	North Reference:	Grid
Well:	Nailed It Fed Com #222H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	Plan #4		

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	(Nailed It) Sec-36_T-26-S_R-30-E		
Site Position:		Northing:	364,471.00 usft
From:	Map	Easting:	693,516.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 0' 3.820 N
		Longitude:	103° 50' 32.687 W
		Grid Convergence:	0.26 °

Well	Nailed It Fed Com #222H		
Well Position	+N/-S	-92.0 usft	Northing: 364,379.00 usft
	+E/-W	1,691.0 usft	Easting: 695,207.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	Latitude: 32° 0' 2.833 N
			Longitude: 103° 50' 13.054 W
			Ground Level: 3,018.0 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	08/06/21	6.61	59.76	47,357.31634404

Design	Plan #4			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	359.69

Plan Survey Tool Program	Date	08/10/21		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	16,237.8 Plan #4 (OWB)	MWD	
			OWSG MWD - Standard	

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
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,500.2	10.00	227.82	2,495.1	-58.5	-64.5	1.00	1.00	0.00	227.82	
3,051.4	10.00	227.82	3,037.9	-122.7	-135.5	0.00	0.00	0.00	0.00	
4,051.5	0.00	0.00	4,033.0	-181.2	-200.0	1.00	-1.00	0.00	180.00	
11,331.0	0.00	0.00	11,312.5	-181.2	-200.0	0.00	0.00	0.00	0.00	
12,230.0	89.90	347.80	11,885.5	377.8	-320.9	10.00	10.00	0.00	347.80	
12,824.5	89.90	359.69	11,886.5	967.7	-385.5	2.00	0.00	2.00	90.02	
16,237.8	89.90	359.69	11,892.6	4,381.0	-404.0	0.00	0.00	0.00	0.00	PBHL Pln #4 Nailed



Intrepid Planning Report



Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well Nailed It Fed Com #222H
Company:	Tap Rock Resources, LLC	TVD Reference:	3018+26 @ 3044.0usft (H&P 312)
Project:	Eddy County, NM (NAD 83 NME)	MD Reference:	3018+26 @ 3044.0usft (H&P 312)
Site:	(Nailed It) Sec-36_T-26-S_R-30-E	North Reference:	Grid
Well:	Nailed It Fed Com #222H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	Plan #4		

Planned 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
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	1.00	227.82	1,600.0	-0.6	-0.6	-0.6	1.00	1.00	0.00
1,700.0	2.00	227.82	1,700.0	-2.3	-2.6	-2.3	1.00	1.00	0.00
1,800.0	3.00	227.82	1,799.9	-5.3	-5.8	-5.2	1.00	1.00	0.00
1,900.0	4.00	227.82	1,899.7	-9.4	-10.3	-9.3	1.00	1.00	0.00
2,000.0	5.00	227.82	1,999.4	-14.6	-16.2	-14.6	1.00	1.00	0.00
2,100.0	6.00	227.82	2,098.9	-21.1	-23.3	-20.9	1.00	1.00	0.00
2,200.0	7.00	227.82	2,198.3	-28.7	-31.6	-28.5	1.00	1.00	0.00
2,300.0	8.00	227.82	2,297.4	-37.4	-41.3	-37.2	1.00	1.00	0.00
2,400.0	9.00	227.82	2,396.3	-47.4	-52.3	-47.1	1.00	1.00	0.00
2,500.2	10.00	227.82	2,495.1	-58.5	-64.5	-58.1	1.00	1.00	0.00
2,600.0	10.00	227.82	2,593.4	-70.1	-77.4	-69.7	0.00	0.00	0.00
2,700.0	10.00	227.82	2,691.9	-81.8	-90.2	-81.3	0.00	0.00	0.00
2,800.0	10.00	227.82	2,790.4	-93.4	-103.1	-92.9	0.00	0.00	0.00
2,900.0	10.00	227.82	2,888.9	-105.1	-116.0	-104.5	0.00	0.00	0.00
3,000.0	10.00	227.82	2,987.3	-116.7	-128.9	-116.0	0.00	0.00	0.00
3,051.4	10.00	227.82	3,037.9	-122.7	-135.5	-122.0	0.00	0.00	0.00
3,100.0	9.52	227.82	3,085.8	-128.3	-141.6	-127.5	1.00	-1.00	0.00
3,200.0	8.52	227.82	3,184.6	-138.8	-153.2	-138.0	1.00	-1.00	0.00
3,300.0	7.52	227.82	3,283.6	-148.2	-163.5	-147.3	1.00	-1.00	0.00
3,400.0	6.52	227.82	3,382.9	-156.4	-172.6	-155.4	1.00	-1.00	0.00
3,500.0	5.52	227.82	3,482.3	-163.4	-180.3	-162.4	1.00	-1.00	0.00
3,600.0	4.52	227.82	3,581.9	-169.3	-186.8	-168.2	1.00	-1.00	0.00
3,700.0	3.52	227.82	3,681.7	-174.0	-192.0	-172.9	1.00	-1.00	0.00
3,800.0	2.52	227.82	3,781.6	-177.5	-195.9	-176.4	1.00	-1.00	0.00
3,900.0	1.52	227.82	3,881.5	-179.9	-198.5	-178.8	1.00	-1.00	0.00
4,000.0	0.52	227.82	3,981.5	-181.0	-199.8	-180.0	1.00	-1.00	0.00
4,051.5	0.00	0.00	4,033.0	-181.2	-200.0	-180.1	1.00	-1.00	0.00
4,100.0	0.00	0.00	4,081.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
4,200.0	0.00	0.00	4,181.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
4,300.0	0.00	0.00	4,281.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
4,400.0	0.00	0.00	4,381.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
4,500.0	0.00	0.00	4,481.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
4,600.0	0.00	0.00	4,581.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
4,700.0	0.00	0.00	4,681.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
4,800.0	0.00	0.00	4,781.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
4,900.0	0.00	0.00	4,881.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
5,000.0	0.00	0.00	4,981.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
5,100.0	0.00	0.00	5,081.5	-181.2	-200.0	-180.1	0.00	0.00	0.00



Intrepid Planning Report



Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well Nailed It Fed Com #222H
Company:	Tap Rock Resources, LLC	TVD Reference:	3018+26 @ 3044.0usft (H&P 312)
Project:	Eddy County, NM (NAD 83 NME)	MD Reference:	3018+26 @ 3044.0usft (H&P 312)
Site:	(Nailed It) Sec-36_T-26-S_R-30-E	North Reference:	Grid
Well:	Nailed It Fed Com #222H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	Plan #4		

Planned 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)
5,200.0	0.00	0.00	5,181.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
5,300.0	0.00	0.00	5,281.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
5,400.0	0.00	0.00	5,381.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
5,500.0	0.00	0.00	5,481.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
5,600.0	0.00	0.00	5,581.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
5,700.0	0.00	0.00	5,681.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
5,800.0	0.00	0.00	5,781.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
5,900.0	0.00	0.00	5,881.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
6,000.0	0.00	0.00	5,981.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
6,100.0	0.00	0.00	6,081.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
6,200.0	0.00	0.00	6,181.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
6,300.0	0.00	0.00	6,281.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
6,400.0	0.00	0.00	6,381.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
6,500.0	0.00	0.00	6,481.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
6,600.0	0.00	0.00	6,581.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
6,700.0	0.00	0.00	6,681.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
6,800.0	0.00	0.00	6,781.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
6,900.0	0.00	0.00	6,881.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
7,000.0	0.00	0.00	6,981.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
7,100.0	0.00	0.00	7,081.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
7,200.0	0.00	0.00	7,181.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
7,300.0	0.00	0.00	7,281.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
7,400.0	0.00	0.00	7,381.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
7,500.0	0.00	0.00	7,481.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
7,600.0	0.00	0.00	7,581.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
7,700.0	0.00	0.00	7,681.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
7,800.0	0.00	0.00	7,781.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
7,900.0	0.00	0.00	7,881.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
8,000.0	0.00	0.00	7,981.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
8,100.0	0.00	0.00	8,081.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
8,200.0	0.00	0.00	8,181.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
8,300.0	0.00	0.00	8,281.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
8,400.0	0.00	0.00	8,381.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
8,500.0	0.00	0.00	8,481.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
8,600.0	0.00	0.00	8,581.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
8,700.0	0.00	0.00	8,681.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
8,800.0	0.00	0.00	8,781.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
8,900.0	0.00	0.00	8,881.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
9,000.0	0.00	0.00	8,981.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
9,100.0	0.00	0.00	9,081.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
9,200.0	0.00	0.00	9,181.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
9,300.0	0.00	0.00	9,281.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
9,400.0	0.00	0.00	9,381.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
9,500.0	0.00	0.00	9,481.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
9,600.0	0.00	0.00	9,581.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
9,700.0	0.00	0.00	9,681.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
9,800.0	0.00	0.00	9,781.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
9,900.0	0.00	0.00	9,881.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
10,000.0	0.00	0.00	9,981.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
10,100.0	0.00	0.00	10,081.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
10,200.0	0.00	0.00	10,181.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
10,300.0	0.00	0.00	10,281.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
10,400.0	0.00	0.00	10,381.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
10,500.0	0.00	0.00	10,481.5	-181.2	-200.0	-180.1	0.00	0.00	0.00



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Well:	Nailed It Fed Com #222H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	Plan #4		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,600.0	0.00	0.00	10,581.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
10,700.0	0.00	0.00	10,681.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
10,800.0	0.00	0.00	10,781.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
10,900.0	0.00	0.00	10,881.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
11,000.0	0.00	0.00	10,981.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
11,100.0	0.00	0.00	11,081.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
11,200.0	0.00	0.00	11,181.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
11,300.0	0.00	0.00	11,281.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
11,331.0	0.00	0.00	11,312.5	-181.2	-200.0	-180.1	0.00	0.00	0.00
11,350.0	1.90	347.80	11,331.5	-180.9	-200.1	-179.8	10.00	10.00	0.00
11,400.0	6.90	347.80	11,381.3	-177.1	-200.9	-176.1	10.00	10.00	0.00
11,450.0	11.90	347.80	11,430.6	-169.2	-202.6	-168.1	10.00	10.00	0.00
11,500.0	16.90	347.80	11,479.0	-157.0	-205.2	-155.9	10.00	10.00	0.00
11,550.0	21.90	347.80	11,526.2	-140.8	-208.7	-139.7	10.00	10.00	0.00
11,600.0	26.90	347.80	11,571.7	-120.6	-213.1	-119.5	10.00	10.00	0.00
11,650.0	31.90	347.80	11,615.3	-96.6	-218.3	-95.4	10.00	10.00	0.00
11,700.0	36.90	347.80	11,656.5	-69.0	-224.3	-67.8	10.00	10.00	0.00
11,750.0	41.90	347.80	11,695.1	-38.0	-231.0	-36.8	10.00	10.00	0.00
11,800.0	46.90	347.80	11,730.8	-3.8	-238.3	-2.6	10.00	10.00	0.00
11,850.0	51.90	347.80	11,763.4	33.3	-246.4	34.6	10.00	10.00	0.00
11,900.0	56.90	347.80	11,792.5	73.0	-255.0	74.4	10.00	10.00	0.00
11,950.0	61.90	347.80	11,817.9	115.0	-264.0	116.5	10.00	10.00	0.00
12,000.0	66.90	347.80	11,839.5	159.1	-273.6	160.6	10.00	10.00	0.00
12,050.0	71.90	347.80	11,857.1	204.8	-283.5	206.3	10.00	10.00	0.00
12,100.0	76.90	347.80	11,870.5	251.9	-293.6	253.5	10.00	10.00	0.00
12,150.0	81.90	347.80	11,879.7	299.9	-304.0	301.5	10.00	10.00	0.00
12,200.0	86.90	347.80	11,884.6	348.5	-314.5	350.2	10.00	10.00	0.00
12,230.0	89.90	347.80	11,885.5	377.8	-320.9	379.6	10.00	10.00	0.00
12,300.0	89.90	349.20	11,885.6	446.4	-334.8	448.2	2.00	0.00	2.00
12,400.0	89.90	351.20	11,885.8	544.9	-351.8	546.8	2.00	0.00	2.00
12,500.0	89.90	353.20	11,885.9	644.0	-365.4	646.0	2.00	0.00	2.00
12,600.0	89.90	355.20	11,886.1	743.5	-375.5	745.5	2.00	0.00	2.00
12,700.0	89.90	357.20	11,886.3	843.3	-382.1	845.3	2.00	0.00	2.00
12,800.0	89.90	359.20	11,886.5	943.2	-385.3	945.3	2.00	0.00	2.00
12,824.5	89.90	359.69	11,886.5	967.7	-385.5	969.8	2.00	0.00	2.00
12,900.0	89.90	359.69	11,886.6	1,043.2	-385.9	1,045.3	0.00	0.00	0.00
13,000.0	89.90	359.69	11,886.8	1,143.2	-386.5	1,145.3	0.00	0.00	0.00
13,100.0	89.90	359.69	11,887.0	1,243.2	-387.0	1,245.3	0.00	0.00	0.00
13,200.0	89.90	359.69	11,887.2	1,343.2	-387.6	1,345.3	0.00	0.00	0.00
13,300.0	89.90	359.69	11,887.4	1,443.2	-388.1	1,445.3	0.00	0.00	0.00
13,400.0	89.90	359.69	11,887.5	1,543.2	-388.6	1,545.3	0.00	0.00	0.00
13,500.0	89.90	359.69	11,887.7	1,643.2	-389.2	1,645.3	0.00	0.00	0.00
13,600.0	89.90	359.69	11,887.9	1,743.2	-389.7	1,745.3	0.00	0.00	0.00
13,700.0	89.90	359.69	11,888.1	1,843.2	-390.3	1,845.3	0.00	0.00	0.00
13,800.0	89.90	359.69	11,888.3	1,943.2	-390.8	1,945.3	0.00	0.00	0.00
13,900.0	89.90	359.69	11,888.4	2,043.2	-391.3	2,045.3	0.00	0.00	0.00
14,000.0	89.90	359.69	11,888.6	2,143.2	-391.9	2,145.3	0.00	0.00	0.00
14,100.0	89.90	359.69	11,888.8	2,243.2	-392.4	2,245.3	0.00	0.00	0.00
14,200.0	89.90	359.69	11,889.0	2,343.2	-393.0	2,345.3	0.00	0.00	0.00
14,300.0	89.90	359.69	11,889.2	2,443.2	-393.5	2,445.3	0.00	0.00	0.00
14,400.0	89.90	359.69	11,889.3	2,543.2	-394.1	2,545.3	0.00	0.00	0.00
14,500.0	89.90	359.69	11,889.5	2,643.2	-394.6	2,645.3	0.00	0.00	0.00
14,600.0	89.90	359.69	11,889.7	2,743.2	-395.1	2,745.3	0.00	0.00	0.00
14,700.0	89.90	359.69	11,889.9	2,843.2	-395.7	2,845.3	0.00	0.00	0.00



Intrepid Planning Report



Database:	EDM 5000.15 Single User Db	Local Co-ordinate Reference:	Well Nailed It Fed Com #222H
Company:	Tap Rock Resources, LLC	TVD Reference:	3018+26 @ 3044.0usft (H&P 312)
Project:	Eddy County, NM (NAD 83 NME)	MD Reference:	3018+26 @ 3044.0usft (H&P 312)
Site:	(Nailed It) Sec-36_T-26-S_R-30-E	North Reference:	Grid
Well:	Nailed It Fed Com #222H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	Plan #4		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
14,800.0	89.90	359.69	11,890.1	2,943.2	-396.2	2,945.3	0.00	0.00	0.00	
14,900.0	89.90	359.69	11,890.2	3,043.2	-396.8	3,045.3	0.00	0.00	0.00	
15,000.0	89.90	359.69	11,890.4	3,143.2	-397.3	3,145.3	0.00	0.00	0.00	
15,100.0	89.90	359.69	11,890.6	3,243.2	-397.8	3,245.3	0.00	0.00	0.00	
15,200.0	89.90	359.69	11,890.8	3,343.2	-398.4	3,345.3	0.00	0.00	0.00	
15,300.0	89.90	359.69	11,891.0	3,443.2	-398.9	3,445.3	0.00	0.00	0.00	
15,400.0	89.90	359.69	11,891.1	3,543.2	-399.5	3,545.3	0.00	0.00	0.00	
15,500.0	89.90	359.69	11,891.3	3,643.2	-400.0	3,645.3	0.00	0.00	0.00	
15,600.0	89.90	359.69	11,891.5	3,743.2	-400.5	3,745.3	0.00	0.00	0.00	
15,700.0	89.90	359.69	11,891.7	3,843.2	-401.1	3,845.3	0.00	0.00	0.00	
15,800.0	89.90	359.69	11,891.9	3,943.2	-401.6	3,945.3	0.00	0.00	0.00	
15,900.0	89.90	359.69	11,892.0	4,043.2	-402.2	4,045.3	0.00	0.00	0.00	
16,000.0	89.90	359.69	11,892.2	4,143.2	-402.7	4,145.3	0.00	0.00	0.00	
16,100.0	89.90	359.69	11,892.4	4,243.2	-403.3	4,245.3	0.00	0.00	0.00	
16,200.0	89.90	359.69	11,892.6	4,343.2	-403.8	4,345.3	0.00	0.00	0.00	
16,237.8	89.90	359.69	11,892.6	4,381.0	-404.0	4,383.1	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	
- hit/miss target										
- Shape										
FTP Nailed It Fed Cor	0.00	0.00	0.0	-131.0	-379.0	364,248.00	694,828.00	32° 0' 1.554 N	103° 50' 17.463 W	
- plan misses target center by 401.0usft at 0.0usft MD (0.0 TVD, 0.0 N, 0.0 E)										
- Point										
LTP Nailed It Fed Cor	0.00	0.00	0.0	4,251.0	-403.0	368,630.00	694,804.00	32° 0' 44.919 N	103° 50' 17.508 W	
- plan misses target center by 4270.1usft at 0.0usft MD (0.0 TVD, 0.0 N, 0.0 E)										
- Point										
KOP Pln #4 Nailed It f	0.00	0.00	11,312.0	-181.2	-200.0	364,197.76	695,007.00	32° 0' 1.048 N	103° 50' 15.386 W	
- plan hits target center										
- Point										
LP Pln #4 Nailed It Fe	0.00	0.00	11,885.0	377.7	-320.8	364,756.65	694,886.16	32° 0' 6.585 N	103° 50' 16.760 W	
- plan misses target center by 0.5usft at 12229.8usft MD (11885.5 TVD, 377.6 N, -320.8 E)										
- Point										
PBHL Pln #4 Nailed It	0.11	359.69	11,892.6	4,381.0	-404.0	368,760.00	694,803.00	32° 0' 46.206 N	103° 50' 17.513 W	
- plan hits target center										
- Rectangle (sides W100.0 H3,991.4 D30.0)										



Intrepid Planning Report



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Project:	Eddy County, NM (NAD 83 NME)	MD Reference:	3018+26 @ 3044.0usft (H&P 312)
Site:	(Nailed It) Sec-36_T-26-S_R-30-E	North Reference:	Grid
Well:	Nailed It Fed Com #222H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	Plan #4		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,105.0	1,105.0	Rustler Anhydrite			
1,340.0	1,340.0	Top Salt			
3,437.3	3,420.0	Base Salt			
3,623.1	3,605.0	Delaware Mountain Gp			
3,633.1	3,615.0	Lamar			
3,653.2	3,635.0	Bell Canyon			
3,718.3	3,700.0	Ramsey Sand			
4,813.5	4,795.0	Cherry Canyon			
5,733.5	5,715.0	Brushy Canyon			
7,518.5	7,500.0	Bone Spring Lime			
7,623.5	7,605.0	Upper Avalon			
7,998.5	7,980.0	Middle Avalon			
8,283.5	8,265.0	Lower Avalon			
8,448.5	8,430.0	1st Bone Spring Sand			
8,933.5	8,915.0	2nd Bone Spring Carb			
9,108.5	9,090.0	2nd Bone Spring Sand			
9,668.5	9,650.0	3rd Bone Spring Carb			
10,353.5	10,335.0	3rd Bone Spring Sand			
10,658.5	10,640.0	3rd BS W Sand			
10,748.5	10,730.0	Wolfcamp A X Sand			
10,843.5	10,825.0	Wolfcamp A Y Sand			
10,918.5	10,900.0	Wolfcamp A Lower			
11,348.5	11,330.0	Wolfcamp B			
11,543.3	11,520.0	Wolfcamp B1			
11,763.4	11,705.0	Wolfcamp C			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,500.0	1,500.0	0.0	0.0	NUDGE - Build 1.00
2,500.2	2,495.1	-58.5	-64.5	HOLD - 551.2 at 2500.2 MD
3,051.4	3,037.9	-122.7	-135.5	DROP - -1.00
4,051.5	4,033.0	-181.2	-200.0	HOLD - 7279.5 at 4051.5 MD
11,331.0	11,312.5	-181.2	-200.0	KOP - Build 10.00
12,230.0	11,885.5	377.8	-320.9	EOC/TRN - DLS 2.00 TFO 90.02
12,824.5	11,886.5	967.7	-385.5	Start 3413.3 hold at 12824.5 MD
16,237.8	11,892.6	4,381.0	-404.0	TD at 16237.8

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

COMMENTS

Action 42733

COMMENTS

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 42733
	Action Type: [C-103] NOI Change of Plans (C-103A)

COMMENTS

Created By	Comment	Comment Date
kpickford	KP GEO Review 8/20/2021	8/20/2021

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CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
kpickford	Adhere to previous NMOCD Conditions of Approval	8/20/2021