

Well Name: NAILED IT FED COM	Well Location: T26S / R30E / SEC 36 / LOT 4 / 32.0010603 / -103.8420742	County or Parish/State: EDDY / NM
Well Number: 221H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM138850	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001546848	Well Status: Approved Application for Permit to Drill	Operator: TAP ROCK OPERATING LLC

Notice of Intent

Type of Submission: Notice of Intent	Type of Action Other
Date Sundry Submitted: 04/12/2021	Time Sundry Submitted: 12:20
Date proposed operation will begin: 04/12/2021	

Procedure Description: Tap Rock would like to alter the casing plan for the Nailed it Fed Com 221H. Tap Rock is requesting permission to: • run one of the two options listed in the attached casing table - A three or four string design. • alter the second intermediate string from 7.625 inch 29.7 lb P-110 W-513 to 7.625 inch 29.7 P-110 W-441 casing. This casing will be run to 10909 ft MD. Casing spec has been attached. • have the option of running a DV tool during cementing operations. If no DV tool is ran, we would like to cement the intermediate section in a single stage.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

- Nailed_It_221_Casing_Table_20210311_20210412122009.pdf
- 7.625_29.7_P110ICY_W441_20210311152735_20210412122008.pdf

Received by OCD: 4/15/2021 3:47:21 PM

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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: APR 12, 2021 12:20 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: 04/15/2021
Signature: Chris Walls	

NAILED IT FED COM 221H

Section	Hole Size	Casing Size	Standard	Tapered	Top MD	Bottom MD	Top TVD	BTM TVD	Grade	Weight	Thread	Collapse	Burst	Tension
Surface	17 1/2	13 3/8	API	No	0	899	0	899	J-55	54.5	BUTT	1.13	1.15	1.6
1st Intermediate	12 1/4	9 5/8	API	No	0	3674	0	3674	J-55	40	BUTT	1.13	1.15	1.6
2nd Intermediate	8 3/4	7 5/8	API	No	0	3374	0	3374	P-110	29.7	BUTT	1.13	1.15	1.6
2nd Intermediate	8 3/4	7 5/8	NON API	Yes	3374	10909	3374	10892	P-110	29.7	W-441	1.13	1.15	1.6
Production	6 3/4	5 1/2	NON API	No	0	10709	0	10692	P-110	20	TXP	1.13	1.15	1.6
Production	6 3/4	5	NON API	No	10709	15939	10692	11573	P-110	18	W-521	1.13	1.15	1.6

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	909	13 3/8	API	No	0	899	0	899	J-55	54.5	BUTT	1.13	1.15	1.6
Intermediate	9 7/8	909	8000	7 5/8	API	No	0	7700	0	7691	P-110	29.7	BUTT	1.13	1.15	1.6
	8 3/4	8000	10919	7 5/8	NON API	Yes	7700	10909	7691	10892	P-110	29.7	W-441	1.13	1.15	1.6
Production	6 3/4	10919	15939	5 1/2	NON API	No	0	10709	0	10692	P-110	20	TXP	1.13	1.15	1.6
Production	6 3/4			5	NON API	No	10709	15939	10692	11573	P-110	18	W-521	1.13	1.15	1.6

***OPTION TO RUN 3 STRING OR 4 STRING DESIGN**

Name	Type	Top MD	Sacks	Yield	Cu. Ft	Weight	Excess	Cement	Additives
Surface	Lead	0	420	1.65	693	13.5	100%	C	5% NCI + LCM
	Tail	499	412	1.35	556	14.8	100%	C	5% NCI + LCM
1st Intermediate	Lead	0	697	2.18	1519	12.7	65%	C	Bentonite + 1% CaCL2 + 8% NaCl + LCM
	Tail	2939	285	1.33	380	14.8	65%	C	5% NaCl + LCM
2nd Intermediate	Lead	3374	309	2.87	886	11.5	35%	TXI	Fluid Loss + Dispersant + Retarder + LCM
	Tail	9909	87	1.56	136	13.2	35%	H	Fluid Loss + Dispersant + Retarder + LCM
Production	Tail	10409	453	1.71	775	14.2	25%	H	Fluid Loss + Dispersant + Retarder + LCM

Name	Type	Top MD	Sacks	Yield	Cu. Ft	Weight	Excess	Cement	Additives	
Surface	Lead	0	420	1.65	693	13.5	100%	C	5% NCI + LCM	
	Tail	499	422	1.35	570	14.8	100%	C	5% NCI + LCM	
Intermediate	Stage 1	Lead	0	1313	2.4	3152	11.5	65%	C	Fluid Loss + Dispersant + Retarder + LCM
		Tail	9909	106	1.56	166	13.2	65%	C	Fluid Loss + Dispersant + Retarder + LCM
	Stage 2	Primary	0	533	2.4	1280	11.5	65%	C	Bentonite + 1% CaCL2 + 8% NaCl + LCM
	DVT	3624								
Production	Primary	10409	453	1.71	775	14.2	25%	H	Fluid Loss + Dispersant + Retarder + LCM	

***OPTION TO RUN DV TOOL IF NECESSARY**

Name	Top	Bottom	Type	Mud Weight	Visc	Fluid Loss
Surface	0	899	FW Spud Mud	8.30	28	NC
Intermediate	899	3674	Brine Water	10.00	30-32	NC
Intermediate 2	3674	10909	FW/Cut Brine	9.00	30-32	NC
Production	10909	15939	Oil Base Mud	11.50	50-70	<10

Name	Top	Bottom	Type	Mud Weight	Visc	Fluid Loss
Surface	0	899	FW Gel	8.30	28	NC
Intermediate	899	10919	Brine Water	10.00	30-32	NC
Production	10919	15939	Oil Base Mud	11.50	50-70	<10



Data Sheet

TH DS-20.0313 28 July 2020

Rev 01

7.625" 29.70 lb/ft P110-ICY TenarisHydril Wedge 441™



PIPE BODY DATA					
GEOMETRY					
Nominal OD	7.625 in.	Nominal Weight	29.70 lbs/ft	Standard Drift Diameter	6.750 in.
Nominal ID	6.875 in.	Wall Thickness	0.375 in.	Special Drift Diameter	N/A
Plain End Weight	29.06 lbs/ft				
PERFORMANCE					
Body Yield Strength	1068 x 1000 lbs	Internal Yield ¹	11070 psi	Collapse	7360 psi
CONNECTION DATA					
GEOMETRY					
Connection OD	7.900 in.	Connection ID	6.875 in.	Make-up Loss	3.750 in.
Coupling Length	8.666 in.	Threads per in.	3.43		
PERFORMANCE					
Tension Efficiency	75%	Joint Yield Strength	801 x 1000 lbs	Internal Yield ¹	11070 psi
Compression Efficiency	75%	Compression Strength	801 x 1000 lbs	Collapse	7360 psi
Bending	56 °/100 ft				
MAKE-UP TORQUES					
Minimum	22000 ft-lbs	Optimum	23000 ft-lbs	Maximum	26000 ft-lbs
BUCK-ON TORQUES					
Minimum	26000 ft-lbs			Maximum	28000 ft-lbs
OPERATIONAL LIMIT TORQUES					
Operating Torque	41600 ft-lbs			Yield Torque	49000 ft-lbs

*If you need to use torque values that are higher than the maximum indicated, please contact a local Tenaris technical sales representative

1. Internal Yield Rating is based on 90% RBW

Important Note: In October 2019, TenarisHydril Wedge XP® 2.0 SL™ was renamed TenarisHydril Wedge 441™. Product dimensions and properties remain identical and both connections are fully interchangeable.

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

CONDITIONS

Action 24260

CONDITIONS OF APPROVAL

Operator:	OGRID:	Action Number:	Action Type:
TAP ROCK OPERATING, LLC Suite 200 Golden, CO80401	372043	24260	C-103A
523 Park Point Drive			

OCD Reviewer	Condition
jagarcia	None