

<b>Well Name:</b> TALCO STATE FED COM	<b>Well Location:</b> T26S / R35E / SEC 16 / NENW /	<b>County or Parish/State:</b>
<b>Well Number:</b> 215H	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMNM0448921A	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3002548610	<b>Well Status:</b> Approved Application for Permit to Drill	<b>Operator:</b> 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:** 05:06

**Date proposed operation will begin:** 04/12/2021

**Procedure Description:** Tap Rock would like to alter the casing plan for the Talco State Fed Com 215H. 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 12005 ft MD. Casing spec has been attached. • alter the production casing string from 5.5 inch 20 lb P-110 TXP by 5.5 inch 18 lb P-110 W-521 to 5.5 inch 20 lb P-110 TXP by 5.5 inch 20 lb P-110 W-441 casing. This casing will be run from approximately 11805 ft to 22969 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**

Talco\_State\_Fed\_Com\_215H\_Sundry\_casing\_Table\_20210412\_20210412170558.pdf

5.5\_20\_P110\_IC\_W441\_20210412170557.pdf

7.625\_29.7\_P110ICY\_W441\_20210311154211\_20210412170557.pdf

<b>Well Name:</b> TALCO STATE FED COM	<b>Well Location:</b> T26S / R35E / SEC 16 / NENW /	<b>County or Parish/State:</b>
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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 05:06 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**

<b>BLM POC Name:</b> CHRISTOPHER WALLS	<b>BLM POC Title:</b> Petroleum Engineer
<b>BLM POC Phone:</b> 5752342234	<b>BLM POC Email Address:</b> cwalls@blm.gov
<b>Disposition:</b> Approved	<b>Disposition Date:</b> 05/10/2021
<b>Signature:</b> Chris Walls	

**TALCO 215H**

Section	Hole Size	Casing Size	Standard	Tapered	Top MD	Bottom MD	Top TVD	BTM TVD	Grade	Weight	Thread	Collapse	Burst	Tension
Surface	17.5	13.375	API	No	0	1100	0	1100	J-55	54.5	BUTT	1.13	1.15	1.6
1st Intermediate	12.25	9.625	API	No	0	5395	0	5390	J-55	40	BUTT	1.13	1.15	1.6
2nd Intermediate	8.75	7.625	API	No	0	5095	0	5090	P-110	29.7	BUTT	1.13	1.15	1.6
2nd Intermediate	8.75	7.625	NON API	Yes	5095	12005	5090	11992	P-110	29.7	W441	1.13	1.15	1.6
Production	6.75	5.5	NON API	No	0	11805	0	11792	P-110	20	TXP	1.13	1.15	1.6
Production	6.75	5.5	NON API	No	11805	22969	11792	12655	P-110	20	W441	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	17.5	0	1110	13.375	API	No	0	1100	0	1100	J-55	54.5	BUTT	1.13	1.15	1.6
Intermediate	9.875	1110	9500	7.625	API	No	0	9200	0	9189	P-110	29.7	BUTT	1.13	1.15	1.6
	8.75	9500	12015	7.625	NON API	Yes	9200	12005	9189	11992	P-110	29.7	W441	1.13	1.15	1.6
Production	6.75	12015	22969	5.5	NON API	No	0	11805	0	11792	P-110	20	TXP	1.13	1.15	1.6
Production	6.75			5.5	NON API	No	11805	22969	11792	12655	P-110	20	W441	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	543	1.65	896	13.5	100%	C	5% NCI + LCM
	Tail	641	361	1.35	487	14.8	100%	C	5% NCI + LCM
1st Intermediate	Lead	0	1023	2.18	2230	12.7	65%	C	Bentonite + 1% CaCl2 + 8% NaCl + LCM
	Tail	4316	419	1.33	558	14.8	65%	C	5% NaCl + LCM
2nd Intermediate	Lead	5095	279	2.87	802	11.5	35%	TXI	Fluid Loss + Dispersant + Retarder + LCM
	Tail	11005	87	1.56	136	13.2	35%	H	Fluid Loss + Dispersant + Retarder + LCM
Production	Tail	11505	700	1.71	1197	14.2	25%	H	Fluid Loss + Dispersant + Retarder + LCM

Name	Type	Top MD	Sacks	Yield	Cu. Ft	Weight	Excess	Cement	Additives
Surface	Lead	0	543	1.65	896	13.5	100%	C	5% NCI + LCM
	Tail	641	361	1.35	487	14.8	100%	C	5% NCI + LCM
Intermediate	Stage 1 Lead	0	1507	2.4	3616	11.5	65%	C	Fluid Loss + Dispersant + Retarder + LCM
	Stage 1 Tail	11005	106	1.56	166	13.2	65%	C	Fluid Loss + Dispersant + Retarder + LCM
	Stage 2 Primary	0	784	2.4	1882	11.5	65%	C	Bentonite + 1% CaCl2 + 8% NaCl + LCM
	DVT	5325							
Production	Primary	11505	700	1.71	1197	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	1100	FW Spud Mud	8.30	28	NC
Intermediate	1100	5395	Brine Water	10.00	30-32	NC
Intermediate 2	5395	12005	FW/Cut Brine	9.00	30-32	NC
Production	12005	22969	Oil Base Mud	11.50	50-70	<10

Name	Top	Bottom	Type	Mud Weight	Visc	Fluid Loss
Surface	0	1100	FW Gel	8.30	28	NC
Intermediate	1100	12015	DBE/Cut Brine	9.00	30-32	NC
Production	12015	22969	Oil Base Mud	11.50	55-75	<10



Data Sheet

TH DS-19.0478 23 October 2019  
Rev 01

5.500" 20.00 lb/ft P110-IC TenarisHydril Wedge 441™



**PIPE BODY DATA**  
GEOMETRY

Nominal OD	5.500 in.	Nominal Weight	20.00 lbs/ft	Standard Drift Diameter	4.653 in.
Nominal ID	4.778 in.	Wall Thickness	0.361 in.	Special Drift Diameter	N/A
Plain End Weight	19.83 lbs/ft				

PERFORMANCE

Body Yield Strength	641 x 1000 lbs	Internal Yield	12640 psi	Collapse	12100 psi
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**CONNECTION DATA**  
GEOMETRY

Connection OD	5.852 in.	Connection ID	4.778 in.	Make-up Loss	3.780 in.
Coupling Length	8.214 in.	Threads per in.	3.40		

PERFORMANCE

Tension Efficiency	81.5%	Joint Yield Strength	522 x 1000 lbs	Internal Yield	12640 psi
Compression Efficiency	81.5%	Compression Strength	522 x 1000 lbs	Collapse	12100 psi
Bending	75 °/100 ft				

MAKE-UP TORQUES

Minimum	14000 ft-lbs	Optimum	15000 ft-lbs	Maximum	18000 ft-lbs
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BUCK-ON TORQUES

Minimum	21600 ft-lbs			Maximum	23100 ft-lbs
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OPERATIONAL LIMIT TORQUES

Operating Torque	25000 ft-lbs			Yield Torque	29000 ft-lbs
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\*If you need to use torque values that are higher than the maximum indicated, please contact a local Tenaris technical sales representative



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 <sup>1</sup>	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 <sup>1</sup>	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

- 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 32288

**CONDITIONS**

Operator: TAP ROCK OPERATING, LLC 523 Park Point Drive Golden, CO 80401	OGRID: 372043
	Action Number: 32288
	Action Type: [C-103] NOI Change of Plans (C-103A)

**CONDITIONS**

Created By	Condition	Condition Date
pkautz	None	8/4/2021