

|                               |                                                                        |                                   |
|-------------------------------|------------------------------------------------------------------------|-----------------------------------|
| Well Name: CYPRESS 33 FED COM | Well Location: T23S / R29E / SEC 33 / NWNW / 32.2679716 / -103.9969571 | County or Parish/State: EDDY / NM |
| Well Number: 211H             | Type of Well: CONVENTIONAL GAS WELL                                    | Allottee or Tribe Name:           |
| Lease Number: NMNM086024      | Unit or CA Name:                                                       | Unit or CA Number:                |
| US Well Number:               | 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 Casing        |
| Date Sundry Submitted: 02/09/2021              | Time Sundry Submitted: 08:49 |
| Date proposed operation will begin: 02/09/2021 |                              |

**Procedure Description:** Tap Rock Operating, LLC is requesting permission to alter the drilling plan for the attached well. Tap Rock would like the option to run 7.625-inch 29.7 lb P110 W441 or 7.625-inch 29.7 lb P110 W513 Second intermediate casing. Tap Rock would also like to alter the production casing from 5.5 inch 20 lb P110 TXP by 5-inch 18 lb P110 W521 to 5.5-inch 20 lb P110 TXP by 5.5-inch 20 lb P110 W441. Casing Specs for each request have been attached.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Cypress\_33\_Fed\_Com\_Sundry\_List\_Ext\_20210209084923.pdf

|                                      |                                                                               |                                          |
|--------------------------------------|-------------------------------------------------------------------------------|------------------------------------------|
| <b>Well Name:</b> CYPRESS 33 FED COM | <b>Well Location:</b> T23S / R29E / SEC 33 / NWNW / 32.2679716 / -103.9969571 | <b>County or Parish/State:</b> EDDY / NM |
| <b>Well Number:</b> 211H             | <b>Type of Well:</b> CONVENTIONAL GAS WELL                                    | <b>Allottee or Tribe Name:</b>           |
| <b>Lease Number:</b> NMNM086024      | <b>Unit or CA Name:</b>                                                       | <b>Unit or CA Number:</b>                |
| <b>US Well Number:</b>               | <b>Well Status:</b> Approved Application for Permit to Drill                  | <b>Operator:</b> 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.

|                                                       |                                         |
|-------------------------------------------------------|-----------------------------------------|
| <b>Operator Electronic Signature:</b> RAMSEY          | <b>Signed on:</b> FEB 09, 2021 08:49 AM |
| <b>Name:</b> TAP ROCK OPERATING LLC                   |                                         |
| <b>Title:</b> Regulatory Analyst                      |                                         |
| <b>Street Address:</b> 602 Park Point Drive Suite 200 |                                         |
| <b>City:</b> Golden                                   | <b>State:</b> CO                        |
| <b>Phone:</b> (720) 460-3316                          |                                         |
| <b>Email address:</b> NOT ENTERED                     |                                         |

Field Representative

|                             |               |             |
|-----------------------------|---------------|-------------|
| <b>Representative Name:</b> |               |             |
| <b>Street Address:</b>      |               |             |
| <b>City:</b>                | <b>State:</b> | <b>Zip:</b> |
| <b>Phone:</b>               |               |             |
| <b>Email address:</b>       |               |             |

BLM Point of Contact

|                                      |                                                |
|--------------------------------------|------------------------------------------------|
| <b>BLM POC Name:</b> ALLISON MORENCY | <b>BLM POC Title:</b> Contractor WO            |
| <b>BLM POC Phone:</b> 2029127157     | <b>BLM POC Email Address:</b> amorency@blm.gov |
| <b>Disposition:</b> Approved         | <b>Disposition Date:</b> 02/22/2021            |
| <b>Signature:</b> Allison Morency    |                                                |

Tap Rock Operating, LLC is requesting permission to alter the drilling plans for the following wells. Tap Rock would like the option to run 7.625-inch 29.7 lb P110 W441 or 7.625-inch 29.7 lb P110 W513 intermediate casing. Tap Rock would also like to alter the production casing from 5.5 inch 20 lb P110 TXP by 5-inch 18 lb P110 W521 to 5.5-inch 20 lb P110 TXP by 5.5-inch 20 lb P110 W441. Casing Specs have been attached.

### Well Name:

|                                                                                                                                 |                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>Cypress 33 Fed Com 206H</b><br>API: 30-015-47861<br>SHL: 14 FSL, 1444 FEL, Sec 28, T 23S, R 29E<br>32.2686340, -103.9858640  | <b>Cypress 33 Fed Com 232H</b><br>API: 30-015-47868<br>SHL: 250 FNL, 1259 FWL, Sec 33, T 23S, R 29E<br>32.2678964, -103.9943262 |
| <b>Cypress 33 Fed Com 208H</b><br>API: 30-015-47846<br>SHL: 23 FSL, 974 FEL, Sec 28, T 23S, R 29E<br>32.2686574, -103.9843423   | <b>Cypress 33 Fed Com 233H</b><br>API: 30-015-47856<br>SHL: 14 FSL, 1364 FEL, Sec 28, T 23S, R 29E<br>32.2686333, -103.9856052  |
| <b>Cypress 33 Fed Com 211H</b><br>API: 30-015-47878<br>SHL: 220 FNL, 446 FWL, Sec 33, T 23S, R 29E<br>32.2679716, -103.9969571  | <b>Cypress 33 Fed Com 234H</b><br>API: 30-015-47881<br>SHL: 23 FSL, 1054 FEL, Sec 28, T 23S, R 29E<br>32.2686581, -103.9846012  |
| <b>Cypress 33 Fed Com 212H</b><br>API: 30-015-47858<br>SHL: 226 FNL, 1339 FWL, Sec 33, T 23S, R 29E<br>32.2679644, -103.9940671 | <b>Cypress 33 Fed Com 235H</b><br>API: 30-015-47864<br>SHL: 225 FNL, 1234 FWL, Sec 33, T 23S, R 29E<br>32.2679653, -103.9944069 |
| <b>Cypress 33 Fed Com 213H</b><br>API: 30-015-47860<br>SHL: 11 FNL, 1444 FEL, Sec 33, T 23S, R 29E<br>32.2685653, -103.9858642  | <b>Cypress 33 Fed Com 236H</b><br>API: 30-015-47859<br>SHL: 49 FSL, 1079 FEL, Sec 28, T 23S, R 29E<br>32.2687271, -103.9846818  |
| <b>Cypress 33 Fed Com 214H</b><br>API: 30-015-47845<br>SHL: 48 FSL, 974 FEL, Sec 28, T 23S, R 29E<br>32.2687261, -103.9843421   | <b>Cypress 33 Fed Com 241H</b><br>API: 30-015-47870<br>SHL: 220 FNL, 341 FWL, Sec 33, T 23S, R 29E<br>32.2679725, -103.9972968  |
| <b>Cypress 33 Fed Com 231H</b><br>API: 30-015-47871<br>SHL: 220 FNL, 366 FWL, Sec 33, T 23S, R 29E<br>32.2679723, -103.9972160  | <b>Cypress 33 Fed Com 242H</b><br>API: 30-015-47863<br>SHL: 225 FNL, 1259 FWL, Sec 33, T 23S, R 29E<br>32.2679651, -103.9943260 |

**Well Name Cont.**

|                                                                                                                                |                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>Cypress 33 Fed Com 243H</b><br>API: 30-015-47862<br>SHL: 11 FNL, 1364 FEL, Sec 33, T 23S, R 29E<br>32.2685646, -103.9856054 | <b>Cypress 33 Fed Com 245H</b><br>API: 30-015-47869<br>SHL: 245 FNL, 366 FWL, Sec 33, T 23S, R 29E<br>32.2679035, -103.9972162 |
| <b>Cypress 33 Fed Com 244H</b><br>API: 30-015-47844<br>SHL: 48 FSL, 1054 FEL, Sec 28, T 23S, R 29E<br>32.2687268, -103.9846009 | <b>Cypress 33 Fed Com 246H</b><br>API: 30-015-47857<br>SHL: 11 FNL, 1339 FEL, Sec 33, T 23S, R 29E<br>32.2685643, -103.9855245 |



## 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

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.



## 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 |

  

| 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 |
| BUCK-ON TORQUES           |              |                      |                |                |              |
| Minimum                   | 21600 ft-lbs |                      |                | Maximum        | 23100 ft-lbs |
| OPERATIONAL LIMIT TORQUES |              |                      |                |                |              |
| Operating Torque          | 25000 ft-lbs |                      |                | Yield Torque   | 29000 ft-lbs |

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

**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 18674

**CONDITIONS OF APPROVAL**

|                                                      |        |                |              |
|------------------------------------------------------|--------|----------------|--------------|
| Operator:                                            | OGRID: | Action Number: | Action Type: |
| TAP ROCK OPERATING, LLC<br>Suite 200 Golden, CO80401 | 372043 | 18674          | C-103A       |
| 523 Park Point Drive                                 |        |                |              |

|              |           |
|--------------|-----------|
| OCD Reviewer | Condition |
| jagarcia     | None      |