

|                                      |                                                                        |                                  |
|--------------------------------------|------------------------------------------------------------------------|----------------------------------|
| Well Name: YADA FED COM              | Well Location: T24S / R35E / SEC 35 / SWSW / 32.1673817 / -103.3437725 | County or Parish/State: LEA / NM |
| Well Number: 215H                    | Type of Well: OIL WELL                                                 | Allottee or Tribe Name:          |
| Lease Number: NMNM138891, NMNM138896 | Unit or CA Name:                                                       | Unit or CA Number:               |
| US Well Number: 3002548255           | 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: 02/01/2021              | Time Sundry Submitted: 09:23 |
| Date proposed operation will begin: 02/01/2021 |                              |

**Procedure Description:** Tap Rock Operating, LLC is requesting permission to alter the casing plan for the above 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 intermediate casing. Tap Rock would also like to alter the production casing to 5.5-inch 23 lb P110S Blue by 5.5-inch 23 lb P110 W521 OR 5.5-inch 23 lb P110 W441.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Yada\_WC\_Sundry\_List\_20210201092314.pdf

|                                             |                                                                               |                                         |
|---------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------|
| <b>Well Name:</b> YADA FED COM              | <b>Well Location:</b> T24S / R35E / SEC 35 / SWSW / 32.1673817 / -103.3437725 | <b>County or Parish/State:</b> LEA / NM |
| <b>Well Number:</b> 215H                    | <b>Type of Well:</b> OIL WELL                                                 | <b>Allottee or Tribe Name:</b>          |
| <b>Lease Number:</b> NMNM138891, NMNM138896 | <b>Unit or CA Name:</b>                                                       | <b>Unit or CA Number:</b>               |
| <b>US Well Number:</b> 3002548255           | <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 01, 2021 09:23 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> 02/09/2021            |
| <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 to 5.5-inch 23 lb P110S Blue by 5.5-inch 23 lb P110 W521 **OR** 5.5-inch 23 lb P110 W441.

**Well Name:**

**Yada Fed Com 131H**

API: 30-025-48355

SHL: 240 FSL, 926 FWL, Sec 35, T 24S, R 35E

32.1673817, -103.3438533

**Yada Fed Com 135H**

API: 30-025-48253

SHL: 215 FSL, 951 FWL, Sec 35, T 24S, R 35E

32.167313, -103.3437724

**Yada Fed Com 132H**

API: 30-025-48252

SHL: 238 FSL, 2203 FWL, Sec 35, T 24S, R 35E

32.1673762, -103.3397264

**Yada Fed Com 136H**

API: 30-025-48313

SHL: 250 FSL, 1523 FEL, Sec 35, T 24S, R 35E

32.1674086, -103.3347098

**Yada Fed Com 133H**

API: 30-025-48312

SHL: 276 FSL, 1548 FEL, Sec 35, T 24S, R 35E

32.1674791, -103.3347884

**Yada Fed Com 137H**

API: 30-025-48269

SHL: 213 FSL, 2228 FWL, Sec 35, T 24S, R 35E

32.1673073, -103.3396459

**Yada Fed Com 134H**

API: 30-025-48268

SHL: 267 FSL, 767 FEL, Sec 35, T 24S, R 35E

32.1674538, -103.3322672

**Yada Fed Com 138H**

API: 30-025-48270

SHL: 242 FSL, 743 FEL, Sec 35, T 24S, R 35E

32.1673851, -103.3321864

**Yada Fed Com 211H**

API: 30-025-48254

SHL: 215 FSL, 926 FWL, Sec 35, T 24S, R 35E

32.167313, -103.3438532

**Yada Fed Com 215H**

API: 30-025-48255

SHL: 240 FSL, 951 FWL, Sec 35, T 24S, R 35E

32.1673817, -103.3437725

**Yada Fed Com 212H**

API: 30-025-48271

SHL: 213 FSL, 2203 FWL, Sec 35, T 24S, R 35E

32.1673075, -103.3397267

**Yada Fed Com 216H**

API: 30-025-48274

SHL: 275 FSL, 1523 FEL, Sec 35, T 24S, R 35E

32.1674773, -103.3347076

**Yada Fed Com 213H**

API: 30-025-48272

SHL: 251 FSL, 1548 FEL, Sec 35, T 24S, R 35E

32.1674104, -103.3347905

**Yada Fed Com 217H**

API: 30-025-48275

SHL: 238 FSL, 2228 FWL, Sec 35, T 24S, R 35E

32.167376, -103.3396456

**Yada Fed Com 214H**

API: 30-025-48273

SHL: 242 FSL, 768 FEL, Sec 35, T 24S, R 35E

32.1673851, -103.3322672

**Yada Fed Com 218H**

API: 30-025-48276

SHL: 267 FSL, 742 FEL, Sec 35, T 24S, R 35E

32.1674538, -103.3321864



## 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.

# Wedge 513®

Printed on: 01/30/2018



|                  |           |                      |              |                |                 |
|------------------|-----------|----------------------|--------------|----------------|-----------------|
| Outside Diameter | 7.625 in. | Min. Wall Thickness  | 87.5%        | (*) Grade P110 |                 |
| Wall Thickness   | 0.375 in. | Connection OD Option | REGULAR      | COUPLING       | PIPE BODY       |
| Grade            | P110*     | Drift                | API Standard | Body: White    | 1st Band: White |
|                  |           | Type                 | Casing       | 1st Band: -    | 2nd Band: -     |
|                  |           |                      |              | 2nd Band: -    | 3rd Band: -     |
|                  |           |                      |              | 3rd Band: -    | 4th Band: -     |



| GEOMETRY                   |               |                      |                   |                            |               |
|----------------------------|---------------|----------------------|-------------------|----------------------------|---------------|
| Nominal OD                 | 7.625 in.     | Nominal Weight       | 29.70 lbs/ft      | Drift                      | 6.75 in.      |
| Nominal ID                 | 6.875 in.     | Wall Thickness       | 0.375 in.         | Plain End Weight           | 29.06 lbs/ft  |
| OD Tolerance               | API           |                      |                   |                            |               |
| PERFORMANCE                |               |                      |                   |                            |               |
| Body Yield Strength        | 940 x1000 lbs | Internal Yield       | 9470 psi          | SMYS                       | 110000 psi    |
| Collapse                   | 5350 psi      |                      |                   |                            |               |
| GEOMETRY                   |               |                      |                   |                            |               |
| Connection OD              | 7.625 in.     | Connection ID        | 6.800 in.         | Make-up Loss               | 4.420 in.     |
| Threads per in             | 3.29          | Connection OD Option | REGULAR           |                            |               |
| PERFORMANCE                |               |                      |                   |                            |               |
| Tension Efficiency         | 60.0 %        | Joint Yield Strength | 564.000 x1000 lbs | Internal Pressure Capacity | 9470.000 psi  |
| Compression Efficiency     | 75.2 %        | Compression Strength | 706.880 x1000 lbs | Max. Allowable Bending     | 39.6 °/100 ft |
| External Pressure Capacity | 5350.000 psi  |                      |                   |                            |               |
| MAKE-UP TORQUES            |               |                      |                   |                            |               |
| Minimum                    | 9000 ft-lbs   | Optimum              | 10800 ft-lbs      | Maximum                    | 15800 ft-lbs  |
| OPERATION LIMIT TORQUES    |               |                      |                   |                            |               |
| Operating Torque           | 47000 ft-lbs  | Yield Torque         | 70000 ft-lbs      |                            |               |

## Notes

This connection is fully interchangeable with:

Wedge 523® - 7.625 in. - 29.7 lbs/ft

Connections with Dopeless® Technology are fully compatible with the same connection in its Standard version

For further information on concepts indicated in this datasheet, download the Datasheet Manual from [www.tenaris.com](http://www.tenaris.com)

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Blue®

Printed on: 10/24/2019



Outside Diameter 5.500 in.

Min. Wall Thickness 87.5%

(\*) Grade P110-S



Wall Thickness 0.415 in.

Connection OD Option REGULAR

COUPLING

PIPE BODY

Grade P110-S\*

Drift API Standard

Body: White

1st Band: White

1st Band: Orange

2nd Band: Orange

2nd Band: -

3rd Band: -

3rd Band: -

4th Band: -

Type Casing

## PIPE BODY DATA

## GEOMETRY

|              |           |                |              |                  |              |
|--------------|-----------|----------------|--------------|------------------|--------------|
| Nominal OD   | 5.500 in. | Nominal Weight | 23.00 lbs/ft | Drift            | 4.545 in.    |
| Nominal ID   | 4.670 in. | Wall Thickness | 0.415 in.    | Plain End Weight | 22.56 lbs/ft |
| OD Tolerance | API       |                |              |                  |              |

## PERFORMANCE

|                     |               |                |           |      |            |
|---------------------|---------------|----------------|-----------|------|------------|
| Body Yield Strength | 729 x1000 lbs | Internal Yield | 14530 psi | SMYS | 110000 psi |
| Collapse            | 14540 psi     |                |           |      |            |

## CONNECTION DATA

## GEOMETRY

|               |           |                 |            |                      |           |
|---------------|-----------|-----------------|------------|----------------------|-----------|
| Connection OD | 6.181 in. | Coupling Length | 10.748 in. | Connection ID        | 4.695 in. |
| Make-up Loss  | 4.677 in. | Threads per in  | 5          | Connection OD Option | REGULAR   |

## PERFORMANCE

|                            |               |                      |                   |                            |               |
|----------------------------|---------------|----------------------|-------------------|----------------------------|---------------|
| Tension Efficiency         | 100.0 %       | Joint Yield Strength | 729.000 x1000 lbs | Internal Pressure Capacity | 14530.000 psi |
| Compression Efficiency     | 100 %         | Compression Strength | 729.000 x1000 lbs | Max. Allowable Bending     | 92 °/100 ft   |
| External Pressure Capacity | 14540.000 psi | Coupling Face Load   | 408000 lbs        |                            |               |

## MAKE-UP TORQUES

|         |             |         |             |         |              |
|---------|-------------|---------|-------------|---------|--------------|
| Minimum | 8250 ft-lbs | Optimum | 9170 ft-lbs | Maximum | 10090 ft-lbs |
|---------|-------------|---------|-------------|---------|--------------|

## SHOULDER TORQUES

|         |             |         |             |  |  |
|---------|-------------|---------|-------------|--|--|
| Minimum | 1380 ft-lbs | Maximum | 7790 ft-lbs |  |  |
|---------|-------------|---------|-------------|--|--|

## OPERATION LIMIT TORQUES

|                  |              |              |              |  |  |
|------------------|--------------|--------------|--------------|--|--|
| Operating Torque | 19920 ft-lbs | Yield Torque | 24900 ft-lbs |  |  |
|------------------|--------------|--------------|--------------|--|--|

## Notes

This connection is fully interchangeable with:

Blue® - 5.5 in. - 15.5 / 17 / 20 / 26 / 26.8 / 28.4 / 29.7 / 32.6 / 35.3 lbs/ft

Connections with Dopeless® Technology are fully compatible with the same connection in its Standard version

Datasheet is also valid for Special Bevel option when applicable - except for Coupling Face Load, which will be reduced. Please contact a local Tenaris technical sales representative.



# Wedge 521®



| Coupling       | Pipe Body       |
|----------------|-----------------|
| Grade: P110-CY | Grade: P110-CY  |
| Body: -        | 1st Band: White |
| 1st Band: -    | 2nd Band: Grey  |
| 2nd Band: -    | 3rd Band: -     |
| 3rd Band: -    | 4th Band: -     |

|                      |           |                |              |       |         |
|----------------------|-----------|----------------|--------------|-------|---------|
| Outside Diameter     | 5.500 in. | Wall Thickness | 0.415 in.    | Grade | P110-CY |
| Min. Wall Thickness  | 87.50 %   | Drift          | API Standard | Type  | Casing  |
| Connection OD Option | REGULAR   |                |              |       |         |

## Pipe Body Data

| Geometry       |           |                  |             | Performance                  |              |
|----------------|-----------|------------------|-------------|------------------------------|--------------|
| Nominal OD     | 5.500 in. | Wall Thickness   | 0.415 in.   | Body Yield Strength          | 729 x1000 lb |
| Nominal Weight | 23 lb/ft  | Plain End Weight | 22.56 lb/ft | Min. Internal Yield Pressure | 14,530 psi   |
| Drift          | 4.545 in. | OD Tolerance     | API         | SMYS                         | 110,000 psi  |
| Nominal ID     | 4.670 in. |                  |             | Collapse Pressure            | 14,540 psi   |

## Connection Data

| Geometry             |           | Performance                |                 | Make-Up Torques         |              |
|----------------------|-----------|----------------------------|-----------------|-------------------------|--------------|
| Connection OD        | 5.936 in. | Tension Efficiency         | 76.50 %         | Minimum                 | 7000 ft-lb   |
| Connection ID        | 4.620 in. | Joint Yield Strength       | 557.69 x1000 lb | Optimum                 | 8400 ft-lb   |
| Make-up Loss         | 3.620 in. | Internal Pressure Capacity | 14,530 psi      | Maximum                 | 12,300 ft-lb |
| Threads per inch     | 3.36      | Compression Efficiency     | 89.60 %         | Operation Limit Torques |              |
| Connection OD Option | Regular   | Compression Strength       | 653.18 x1000 lb | Operating Torque        | 21,000 ft-lb |
|                      |           | Max. Allowable Bending     | 70.40 °/100 ft  | Yield Torque            | 32,000 ft-lb |
|                      |           | External Pressure Capacity | 14,540 psi      |                         |              |

## Notes

For the latest performance data, always visit our website: [www.tenaris.com](http://www.tenaris.com)

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## 5.500" 23.00 lb/ft P110-CY TenarisHydril Wedge 441™



### Preliminary Special Data Sheet

TH DS-20.0503  
29 October 2020  
Rev 00

|                    |           |                |           |                      |         |
|--------------------|-----------|----------------|-----------|----------------------|---------|
| Nominal OD         | 5.500 in. | Wall Thickness | 0.415 in. | Grade                | P110-CY |
| Min Wall Thickness | 87.5%     | Type           | CASING    | Connection OD Option | REGULAR |

#### Pipe Body Data

| Geometry                |              |                  | Performance  |                     |                |
|-------------------------|--------------|------------------|--------------|---------------------|----------------|
| Nominal OD              | 5.500 in.    | Nominal ID       | 4.670 in.    | Body Yield Strength | 729 x 1000 lbs |
| Nominal Weight          | 23.00 lbs/ft | Wall Thickness   | 0.415 in.    | Internal Yield      | 14530 psi      |
| Standard Drift Diameter | 4.545 in.    | Plain End Weight | 22.56 lbs/ft | SMYS                | 110000 psi     |
| Special Drift Diameter  | N/A          | OD Tolerance     | API          | Collapse Pressure   | 14540 psi      |

#### Connection Data

| Geometry             |           | Performance            |                | Make-up Torques           |              |
|----------------------|-----------|------------------------|----------------|---------------------------|--------------|
| Connection OD        | 5.970 in. | Tension Efficiency     | 86%            | Minimum                   | 15000 ft-lbs |
| Connection ID        | 4.670 in. | Joint Yield Strength   | 627 x 1000 lbs | Optimum                   | 16000 ft-lbs |
| Make-up Loss         | 3.775 in. | Internal Yield         | 14530 psi      | Maximum                   | 19200 ft-lbs |
| Threads per in.      | 3.40      | Compression Efficiency | 86%            | Operational Limit Torques |              |
| Connection OD Option | REGULAR   | Compression Strength   | 627 x 1000 lbs | Operating Torque          | 33000 ft-lbs |
| Coupling Length      | 7.714 in. | Bending                | 79 °/100 ft    | Yield Torque              | 39000 ft-lbs |
|                      |           | Collapse               | 14540 psi      |                           |              |

#### Notes

\*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  
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**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 17552

CONDITIONS OF APPROVAL

|                                                      |           |                |              |
|------------------------------------------------------|-----------|----------------|--------------|
| Operator:                                            | OGRID:    | Action Number: | Action Type: |
| TAP ROCK OPERATING, LLC<br>Suite 200 Golden, CO80401 | 372043    | 17552          | C-103A       |
| 523 Park Point Drive                                 |           |                |              |
| OCD Reviewer                                         | Condition |                |              |
| pkautz                                               | None      |                |              |