

| | | |
|-------------------------------------|--|----------------------------------|
| Well Name: DR PI FED UNIT 18_7 IPP | Well Location: T22S / R32E / SEC 18 / SWSE / 32.3847672 / -103.7099725 | County or Parish/State: LEA / NM |
| Well Number: 34H | Type of Well: OIL WELL | Allottee or Tribe Name: |
| Lease Number: NMNM032411, NMNM32411 | Unit or CA Name: | Unit or CA Number: |
| US Well Number: 3002548025 | Well Status: Drilling Well | Operator: OXY USA INCORPORATED |

Notice of Intent

Sundry ID: 2653936

| | |
|--|------------------------------|
| Type of Submission: Notice of Intent | Type of Action: APD Change |
| Date Sundry Submitted: 01/26/2022 | Time Sundry Submitted: 08:34 |
| Date proposed operation will begin: 06/23/2022 | |

Procedure Description: OXY USA Inc. respectfully requests to amend the subject well APD to update the following: - Received approval for unit agreement - New Well Name: DR PI FED UNIT 18_7 IPP 34H - Well spacing – only BHL updated, no change to SHL - Drill plan – casing, cement, BOP and mud program Attached for your reference/review are the following: - C102 revised well plat - Drill plan and casing data sheets - Well control plan

NOI Attachments

Procedure Description

- DrPiFedUnit18_7IPP34H_13inADAPT_13.375in_7.625in_10x10_20220316100457.pdf
- DrPiFedUnit18_7IPP34H_TNSWedge461_5.500in_20_20220316100304.00
- DrPiFedUnit18_7IPP34H_OxyWellControlPlan_20220316100302.pdf
- DrPiFedUnit18_7IPP34H_DrillPlan_20220316100302.pdf
- DrPiFedUnit18_7IPP34H_C102_Sundry3.16.22_20220316100302.pdf
- DrPiFedUnit18_7IPP34H_TNSWedge441_5.500in_20_20220316100302.00
- DrPiFedUnit18_7IPP34H_TNSWedge425_5.500in_20_20220316100302.00

Received by OCD: 6/13/2022 12:50:13 PM

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Conditions of Approval

Additional

Dr_Pi_Federal_Unit_18____PP_34H_DrillingCOA_Sundry_2653941_20220603124221.pdf

Operator

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

| | |
|---|----------------------------------|
| Operator Electronic Signature: RONI MATHEW | Signed on: JUN 10, 2022 11:47 AM |
| Name: OXY USA INCORPORATED | |
| Title: REGULATORY SPECIALIST | |
| Street Address: 5 Greenway Plaza, Suite 110 | |
| City: Houston | State: TX |
| Phone: (713) 215-7827 | |
| Email address: RONI_MATHEW@OXY.COM | |

Field

| | |
|--------------------------------------|------------|
| Representative Name: JIM WILSON | |
| Street Address: 6001 DEAUVILLE BLVD. | |
| City: MIDLAND | State: TX |
| Phone: (575)631-2442 | Zip: 79710 |
| Email address: JIM_WILSON@OXY.COM | |

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: 06/10/2022 |
| Signature: Chris Walls | |

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

ALL PREVIOUS COAs STILL APPLY

| | |
|-------------------------|------------------------------------|
| OPERATOR'S NAME: | OXY USA INCORPORATED |
| LEASE NO.: | NMNM032411 |
| LOCATION: | Section 18, T.22 S., R.32 E., NMPM |
| COUNTY: | Lea County, New Mexico |

| | |
|------------------------------|-----------------------------|
| WELL NAME & NO.: | Dr Pi Fed Unit 18_7 IPP 34H |
| SURFACE HOLE FOOTAGE: | 170'/S & 1430'/E |
| BOTTOM HOLE FOOTAGE: | 20'/N & 1360'/E |

COA

| | | | |
|----------------------|---|--|--|
| H2S | <input type="radio"/> Yes | <input checked="" type="radio"/> No | |
| Potash | <input checked="" type="radio"/> None | <input type="radio"/> Secretary | <input type="radio"/> R-111-P |
| Cave/Karst Potential | <input checked="" type="radio"/> Low | <input type="radio"/> Medium | <input type="radio"/> High |
| Cave/Karst Potential | <input type="radio"/> Critical | | |
| Variance | <input type="radio"/> None | <input checked="" type="radio"/> Flex Hose | <input type="radio"/> Other |
| Wellhead | <input type="radio"/> Conventional | <input type="radio"/> Multibowl | <input checked="" type="radio"/> Both |
| Other | <input type="checkbox"/> 4 String Area | <input type="checkbox"/> Capitan Reef | <input type="checkbox"/> WIPP |
| Other | <input type="checkbox"/> Fluid Filled | <input checked="" type="checkbox"/> Cement Squeeze | <input type="checkbox"/> Pilot Hole |
| Special Requirements | <input type="checkbox"/> Water Disposal | <input type="checkbox"/> COM | <input checked="" type="checkbox"/> Unit |

A. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'

2.

Option 1:

- a. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.
- b. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the intermediate casing shoe shall be **10,000 (10M)** psi. **Variance is approved to use a 5000 (5M) Annular which shall be tested to 3500 (3.5M) psi.**

Option 2:

1. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **10,000 (10M) psi. Variance is approved to use a 5000 (5M) Annular which shall be tested to 3500 (3.5M) psi.**
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
 - e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

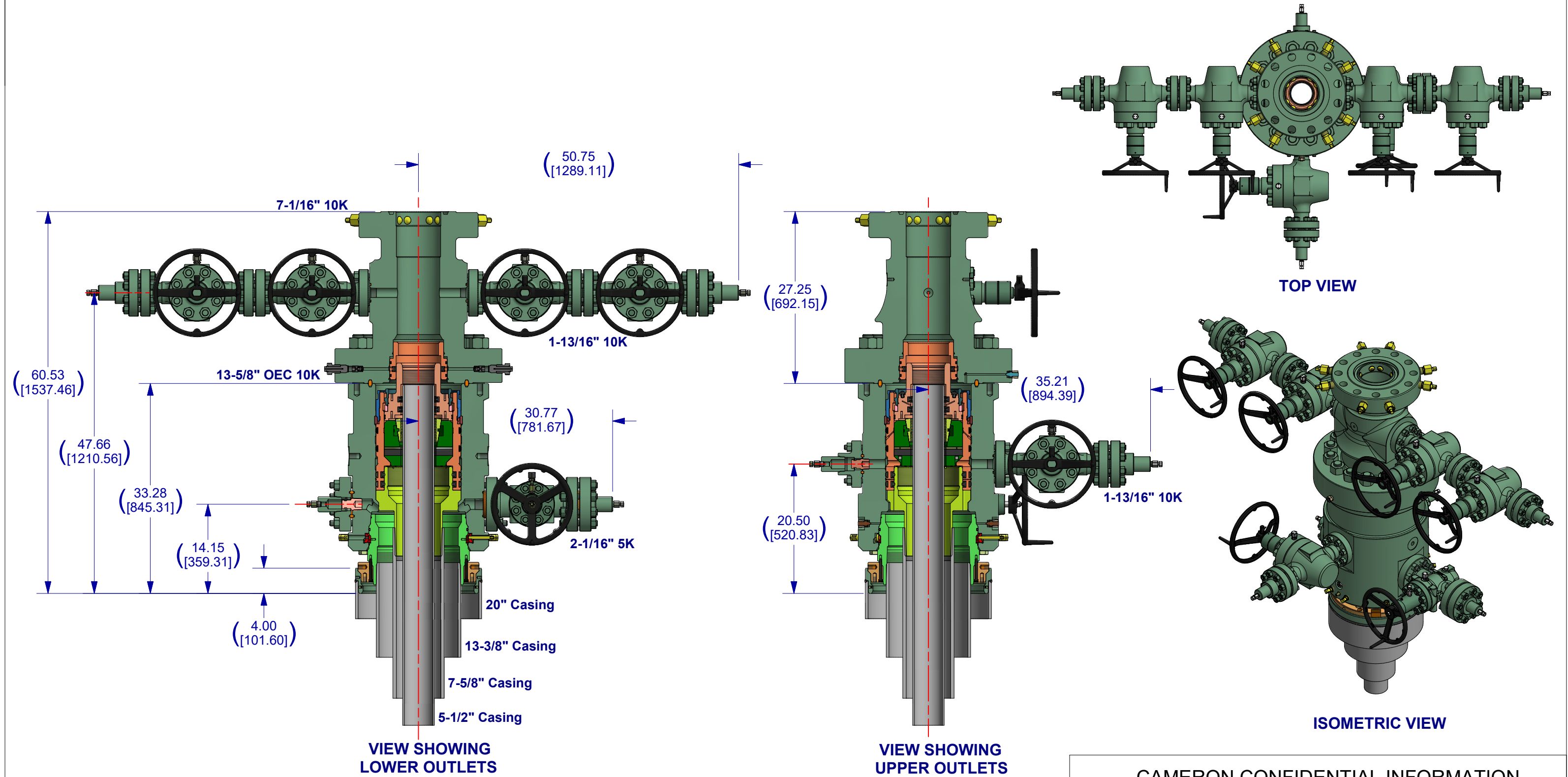
B. SPECIAL REQUIREMENT (S)**Unit Wells**

The well sign for a unit well shall include the unit number in addition to the surface and bottom hole lease numbers. This also applies to participating area numbers. If a participating area has not been established, the operator can use the general unit designation, but will replace the unit number with the participating area number when the sign is replaced.


Commercial Well Determination

A commercial well determination shall be submitted after production has been established for at least six months.

NMK – 6-3-2022



NOTE: This is a proposal drawing and dimensions shown are subject to change during the final design process.

| | | | |
|----------------------------------|---------------------|---|--------------------|
| CAMERON CONFIDENTIAL INFORMATION | | | |
| DO NOT SCALE | |  A Schlumberger Company | SURFACE SYSTEMS |
| DRAWN BY: L.FERRER | DATE: 01/14/2022 | | |
| CHECKED BY: C.OATES | DATE: 01/14/2022 | 13-5/8" 10K 'ADAPT-NST' WELLHEAD | |
| DRAWING NO: QD-06-00092 | REV: 02 | | |

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

| | | |
|-----------------------------------|---|---|
| API Number 30-025-48025 | Pool Code 98296 | Pool Name WC-025 G-09 S223219D;WOLFCAMP |
| Property Code | Property Name DR PI FED UNIT 18_7 IPP | Well Number 34H |
| OGRID No. 16696 | Operator Name OXY USA INC. | Elevation 3663.6' |

Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------------------|---------|---------------|------------------|---------------|----------------|--------|
| O | 18 | 22 SOUTH | 32 EAST, N.M.P.M. | | 170' | SOUTH | 1430' | EAST | LEA |

Bottom 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 |
|---------------|---------|----------|-------------------|---------|---------------|------------------|---------------|----------------|--------|
| B | 7 | 22 SOUTH | 32 EAST, N.M.P.M. | | 20' | NORTH | 1360' | EAST | LEA |

| | | | |
|-------------------------------|-----------------|--------------------|-----------|
| Dedicated Acres 640 | Joint or Infill | Consolidation Code | 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.

| | | | | | |
|--|--|--|--|---|--|
| <p>BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1983 Y=514638.32 US FT X=733759.12 US FT LAT.: N 32.4132650° LONG.: W 103.7097868° NAD 1927 Y=514577.61 US FT X=692577.02 US FT LAT.: N 32.4131424° LONG.: W 103.7092975°</p> <p>LAST TAKE POINT NEW MEXICO EAST NAD 1983 Y=514558.32 US FT X=733759.68 US FT LAT.: N 32.4130451° LONG.: W 103.7097864° NAD 1927 Y=514497.61 US FT X=692577.58 US FT LAT.: N 32.4129225° LONG.: W 103.7092972°</p> <p>SURFACE LOCATION NEW MEXICO EAST NAD 1983 Y=504270.47 US FT X=733762.25 US FT LAT.: N 32.3847672° LONG.: W 103.7099725° NAD 1927 Y=504210.04 US FT X=692579.86 US FT LAT.: N 32.3846444° LONG.: W 103.7094843°</p> <p>KICK OFF POINT NEW MEXICO EAST NAD 1983 Y=504151.28 US FT X=733833.07 US FT LAT.: N 32.3844384° LONG.: W 103.7097453° NAD 1927 Y=504090.85 US FT X=692650.67 US FT LAT.: N 32.3843157° LONG.: W 103.7092572°</p> | | <p>FIRST TAKE POINT NEW MEXICO EAST NAD 1983 Y=504201.28 US FT X=733832.71 US FT LAT.: N 32.3845759° LONG.: W 103.7097455° NAD 1927 Y=504140.85 US FT X=692650.32 US FT LAT.: N 32.3844531° LONG.: W 103.7092574°</p> | | <p>OPERATOR 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. <u>Roni Mathew</u> 1/22/2022 Signature Date Roni Mathew Printed Name roni_mathew@oxy.com E-mail Address</p> | |
| <p>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 and correct to the best of my belief. AUGUST 2, 2019 Date of Survey Signature and Seal of Professional Surveyor <u>Tommy J. Alar</u> 10/20/2021 Certificate Number 15079</p> | | <p>WO# 190802WL-d (Rev. A) (KA)</p> | | | |

Oxy USA Inc. - Dr Pi Fed Unit 18_7 IPP 34H

Drill Plan

1. Geologic Formations

| | | | |
|----------------------------|-------|------------------------------------|-----|
| TVD of Target (ft): | 11976 | Pilot Hole Depth (ft): | |
| Total Measured Depth (ft): | 22798 | Deepest Expected Fresh Water (ft): | 887 |

Delaware Basin

| Formation | MD-RKB (ft) | TVD-RKB (ft) | Expected Fluids |
|-----------------|-------------|--------------|-----------------|
| Rustler | 887 | 887 | |
| Salado | 1180 | 1180 | Salt |
| Castile | 2863 | 2863 | Salt |
| Delaware | 4696 | 4696 | Oil/Gas/Brine |
| Bell Canyon | 4745 | 4745 | Oil/Gas/Brine |
| Cherry Canyon | 5606 | 5606 | Oil/Gas/Brine |
| Brushy Canyon | 6809 | 6809 | Losses |
| Bone Spring | 8586 | 8572 | Oil/Gas |
| Bone Spring 1st | 9684 | 9653 | Oil/Gas |
| Bone Spring 2nd | 10342 | 10301 | Oil/Gas |
| Bone Spring 3rd | 11364 | 11307 | Oil/Gas |
| Wolfcamp | 11837 | 11753 | Oil/Gas |
| Penn | | | Oil/Gas |
| Strawn | | | Oil/Gas |

*H2S, water flows, loss of circulation, abnormal pressures, etc.

2. Casing Program

| Section | Hole Size (in) | MD | | TVD | | Csg. OD (in) | Csg Wt. (ppf) | Grade | Conn. |
|--------------|----------------|-----------|---------|-----------|---------|--------------|---------------|---------|-------|
| | | From (ft) | To (ft) | From (ft) | To (ft) | | | | |
| Surface | 17.5 | 0 | 947 | 0 | 947 | 13.375 | 54.5 | J-55 | BTC |
| Intermediate | 9.875 | 0 | 11265 | 0 | 11208 | 7.625 | 26.4 | L-80 HC | BTC |
| Production | 6.75 | 0 | 22798 | 0 | 11976 | 5.5 | 20 | P-110 | DQX |

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

*Oxy requests the option to run production casing with DQX, TORQ DQW, Wedge 425, Wedge 461, and/or Wedge 441 connections to accommodate hole conditions or drilling operations.

| All Casing SF Values will meet or exceed those below | | | |
|--|----------|-----------------|------------------|
| SF Collapse | SF Burst | Body SF Tension | Joint SF Tension |
| 1.125 | 1.2 | 1.4 | 1.4 |

Annular Clearance Variance Request

As per the agreement reached in the Oxy/BLM face-to-face meeting on Feb 22, 2018, Oxy requests permission to allow deviation from the 0.422" annular clearance requirement from Onshore Order #2 under the following conditions:

1. Annular clearance to meet or exceed 0.422" between intermediate casing ID and production casing coupling only on the first 500' overlap between both casings.
2. Annular clearance less than 0.422" is acceptable for the curve and lateral portions of the production open hole section.

| | Y or N |
|---|--------|
| Is casing new? If used, attach certification as required in Onshore Order #1 | Y |
| Does casing meet API specifications? If no, attach casing specification sheet. | Y |
| Is premium or uncommon casing planned? If yes attach casing specification sheet. | Y |
| Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria). | Y |
| Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing? | Y |
| Is well located within Capitan Reef? | N |
| If yes, does production casing cement tie back a minimum of 50' above the Reef? | |
| Is well within the designated 4 string boundary. | |
| Is well located in SOPA but not in R-111-P? | N |
| If yes, are the first 2 strings cemented to surface and 3 rd string cement tied back 500' into previous casing? | |
| Is well located in R-111-P and SOPA? | N |
| If yes, are the first three strings cemented to surface? | |
| Is 2 nd string set 100' to 600' below the base of salt? | |
| Is well located in high Cave/Karst? | N |
| If yes, are there two strings cemented to surface? | |
| (For 2 string wells) If yes, is there a contingency casing if lost circulation occurs? | |
| Is well located in critical Cave/Karst? | N |
| If yes, are there three strings cemented to surface? | |

3. Cementing Program

| Section | Stage | Slurry: | Capacities | ft ³ /ft | Excess: | From | To | Sacks | Volume (ft ³) | Placement |
|---------|-------|---------------------------|------------|---------------------|---------|--------|--------|-------|---------------------------|------------|
| Surface | 1 | Surface - Tail | OH x Csg | 0.6946 | 100% | 947 | - | 989 | 1316 | Circulate |
| Int. | 1 | Intermediate 1S - Tail | OH x Csg | 0.2148 | 5% | 11,265 | 7,059 | 575 | 948 | Circulate |
| Int. | 2 | Intermediate 2S - Tail BH | OH x Csg | 0.2148 | 25% | 7,059 | 947 | 855 | 1641 | Bradenhead |
| Int. | 2 | Intermediate 2S - Tail BH | Csg x Csg | 0.5509 | 0% | 947 | - | 272 | 522 | Bradenhead |
| Prod. | 1 | Production - Tail | OH x Csg | 0.2526 | 20% | 22,798 | 11,265 | 2533 | 3496 | Circulate |
| Prod. | 1 | Production - Tail | Csg x Csg | 0.0999 | 0% | 11,265 | 10,765 | 36 | 50 | Circulate |

| Description | Density (lb/gal) | Yield (ft ³ /sk) | Water (gal/sk) | 500psi Time (hh:mm) | Cmt. Class | Accelerator | Retarder | Dispersant | Salt |
|---------------------------|------------------|-----------------------------|----------------|---------------------|------------|-------------|----------|------------|------|
| Surface - Tail | 14.8 | 1.33 | 6.365 | 5:26 | C | x | | | |
| Intermediate 1S - Tail | 13.2 | 1.65 | 8.64 | 11:54 | H | x | x | x | x |
| Intermediate 2S - Tail BH | 12.9 | 1.92 | 10.41 | 23:10 | C | x | | | |
| Production - Tail | 13.2 | 1.38 | 6.686 | 3:39 | H | | x | x | x |

Offline Cementing

Oxy requests a variance to cement the 9.625" and/or 7.625" intermediate casing strings offline in accordance to the approved variance, EC Tran 461365.

The summarized operational sequence will be as follows:

Run casing as per normal operations. While running casing, conduct negative pressure test and confirm integrity of the float equipment (float collar and shoe).

Land casing.

Fill pipe with kill weight fluid, and confirm well is static.

If well Oxy requests a variance to cement the 9.625" and/or 7.625" intermediate casing strings offline in accordance to the approved variance, EC Tran 461365.

The summarized operational sequence will be as follows:

1. Run casing as per normal operations. While running casing, conduct negative pressure test and confirm integrity of the float equipment (float collar and shoe).
2. Land casing.
3. Fill pipe with kill weight fluid, and confirm well is static.
 - a. If well is not static notify BLM and kill well.
 - b. Once well is static notify BLM with intent to proceed with nipple down and offline cementing.
4. Set and pressure test annular packoff.
5. After confirmation of both annular barriers and internal barriers, nipple down BOP and install cap flange. If any barrier fails to test, the BOP stack will not be nipped down until after the cement job is completed.
6. Skid rig to next well on pad.
7. Confirm well is static before removing cap flange.
8. If well is not static notify BLM and kill well prior to cementing or nipping up for further remediation.
9. Install offline cement tool.
10. Rig up cement equipment.
 - a. Notify BLM prior to cement job.
11. Perform cement job.
12. Confirm well is static and floats are holding after cement job.
13. Remove cement equipment, offline cement tools and install night cap with pressure gauge for monitoring.

Oxy requests permission to adjust the CBL requirement after bradenhead cement jobs, on 7-5/8" intermediate casings, as per the agreement reached in the OXY/BLM meeting on September 5, 2019.

Three string wells:

- CBL will be required on one well per pad
- If the pumped volume of cement is less than permitted in the APD, BLM will be notified and a CBL may be run
- Echometer will be used after bradenhead cement job to determine TOC before pumping top-out cement

4. Pressure Control Equipment

| BOP installed and tested before drilling which hole? | Size? | Min. Required WP | Type | | ✓ | Tested to: | Deepest TVD Depth (ft) per Section: |
|--|---------|------------------|------------|--|---|--------------------------|-------------------------------------|
| 9.875" Hole | 13-5/8" | 5M | Annular | | ✓ | 70% of working pressure | 11208 |
| | | 5M | Blind Ram | | ✓ | 250 psi / 5000 psi | |
| | | | Pipe Ram | | | | |
| | | | Double Ram | | ✓ | | |
| | | | Other* | | | | |
| 6.75" Hole | 13-5/8" | 5M | Annular | | ✓ | 100% of working pressure | 11976 |
| | | 10M | Blind Ram | | ✓ | 250 psi / 10000 psi | |
| | | | Pipe Ram | | | | |
| | | | Double Ram | | ✓ | | |
| | | | Other* | | | | |

*Specify if additional ram is utilized

Per BLM's Memorandum No. NM-2017-008: *Decision and Rationale for a Variance Allowing the Use of a 5M Annular Preventer with a 10M BOP Stack*, Oxy requests to employ a 5M annular with a 10M BOPE stack in the pilot and lateral sections of the well and will ensure that two barriers to flow are maintained at all times. Please see attached Well Control Plan.

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold.

| | |
|---|--|
| | Formation integrity test will be performed per Onshore Order #2. |
| | On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.i. |
| | |
| | A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart. |
| Y | Are anchors required by manufacturer? |
| | A multibowl or a unionized multibowl wellhead system will be employed. The wellhead and connection to the BOPE will meet all API 6A requirements. The BOP will be tested per Onshore Order #2 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested. We will test the flange connection of the wellhead with a test port that is directly in the flange. We are proposing that we will run the wellhead through the rotary prior to cementing surface casing as discussed with the BLM on October 8, 2015. See attached schematics. |

BOP Break Testing Request

Oxy requests permission to adjust the BOP break testing requirements as per the agreement reached in the OXY/BLM meeting on September 5, 2019.

BOP break test under the following conditions:

- After a full BOP test is conducted
- When skidding to drill an intermediate section where ICP is set into the third Bone Spring or shallower.

If the kill line is broken prior to skid, two tests will be performed.

- 1) Wellhead flange, co-flex hose, kill line connections and upper pipe rams
- 2) Wellhead flange, HCR valve, check valve, upper pipe rams

If the kill line is not broken prior to skid, only one test will be performed.

- 1) Wellhead flange, co-flex hose, check valve, upper pipe rams

5. Mud Program

| Section | Depth - MD | | Depth - TVD | | Type | Weight (ppg) | Viscosity | Water Loss |
|--------------|------------|---------|-------------|---------|--|--------------|-----------|------------|
| | From (ft) | To (ft) | From (ft) | To (ft) | | | | |
| Surface | 0 | 947 | 0 | 947 | Water-Based Mud | 8.6 - 8.8 | 40-60 | N/C |
| Intermediate | 947 | 11265 | 947 | 11208 | Saturated Brine-Based or Oil-Based Mud | 8.0 - 10.0 | 35-45 | N/C |
| Production | 11265 | 22798 | 11208 | 11976 | Water-Based or Oil-Based Mud | 9.5 - 12.5 | 38-50 | N/C |

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times. The following is a general list of products: Barite, Bentonite, Gypsum, Lime, Soda Ash, Caustic Soda, Nut Plug, Cedar Fiber, Cotton Seed Hulls, Drilling Paper, Salt Water Clay, CACL2. Oxy will use a closed mud system.

| | |
|---|--------------------------------|
| What will be used to monitor the loss or gain of fluid? | PVT/MD Totco/Visual Monitoring |
|---|--------------------------------|

6. Logging and Testing Procedures

| Logging, Coring and Testing. | |
|------------------------------|--|
| Yes | Will run GR from TD to surface (horizontal well – vertical portion of hole). |
| | Stated logs run will be in the Completion Report and submitted to the BLM. |
| No | Logs are planned based on well control or offset log information. |
| No | Drill stem test? If yes, explain |
| No | Coring? If yes, explain |

| Additional logs planned | | Interval |
|-------------------------|-------------|------------------|
| No | Resistivity | |
| No | Density | |
| No | CBL | |
| Yes | Mud log | Bone Spring – TD |
| No | PEX | |

7. Drilling Conditions

| Condition | Specify what type and where? |
|-------------------------------|------------------------------|
| BH Pressure at deepest TVD | 7785 psi |
| Abnormal Temperature | No |
| BH Temperature at deepest TVD | 176°F |

Pump high viscosity sweeps as needed for hole cleaning. The mud system will be monitored visually/manually as well as with an electronic PVT. The necessary mud products for additional weight and fluid loss control will be on location at all times. Appropriately weighted mud will be used to isolate potential gas, oil, and water zones until such time as casing can be cemented into place for zonal

Hydrogen Sulfide (H2S) monitors will be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.

| | |
|---|-------------------|
| N | H2S is present |
| Y | H2S Plan attached |

8. Other facets of operation

| | Yes/No |
|---|--------|
| Will the well be drilled with a walking/skidding operation? If yes, describe. We plan to drill the 3 well pad in batch by section: all surface sections, intermediate sections and production sections. The wellhead will be secured with a night cap whenever the rig is not over the well. | Yes |
| Will more than one drilling rig be used for drilling operations? If yes, describe. Oxy requests the option to contract a Surface Rig to drill, set surface casing, and cement for this well. If the timing between rigs is such that Oxy would not be able to preset surface, the Primary Rig will MIRU and drill the well in its entirety per the APD. Please see the attached document for information on the spudder rig. | Yes |

Total Estimated Cuttings Volume: 1770 bbls

Attachments

- ☒ Directional Plan
- ☒ H2S Contingency Plan
- ☒ Flex III Attachments
- ☒ Spudder Rig Attachment
- ☒ Premium Connection Specs

9. Company Personnel

| Name | Title | Office Phone | Mobile Phone |
|-----------------|------------------------------|--------------|--------------|
| Garrett Granier | Drilling Engineer | 713-513-6633 | 832-265-0581 |
| Filip Krneta | Drilling Engineer Supervisor | 713-350-4751 | 832-244-4980 |
| Simon Benavides | Drilling Superintendent | 713-522-8652 | 281-684-6897 |
| Diego Tellez | Drilling Manager | 713-350-4602 | 713-303-4932 |

Oxy Well Control Plan

A. Component and Preventer Compatibility Table

The table below, which covers the drilling and casing of the >5M MASP portion of the well, outlines the tubulars and the compatible preventers in use. This table, combined with the mud program, documents that two barriers to flow can be maintained at all times, independent of the rating of the annular preventer.

Pilot hole and Lateral sections, 10M requirement

| Component | OD | Preventer | RWP |
|-----------------------------|-----------------|--|-----|
| Drillpipe | 4-1/2"-5" | Lower 3-1/2 - 5-1/2" VBR Upper 3-1/2 - 5-1/2" VBR | 10M |
| HWDP | 4-1/2"-5" | Lower 3-1/2 - 5-1/2" VBR Upper 3-1/2 - 5-1/2" VBR | 10M |
| Drill collars and MWD tools | 4-3/4" – 5-1/2" | Lower 3-1/2 - 5-1/2" VBR Upper 3-1/2 - 5-1/2" VBR | 10M |
| Mud Motor | 4-3/4" | Lower 3-1/2 - 5-1/2" VBR Upper 3-1/2 - 5-1/2" VBR | 10M |
| Production casing | 5-1/2" | Lower 3-1/2 - 5-1/2" VBR Upper 3-1/2 - 5-1/2" VBR | 10M |
| ALL | 0" - 13-5/8" | Annular | 5M |
| Open-hole | 6-3/4" | Blind Rams | 10M |

VBR = Variable Bore Ram. Compatible range listed in chart.

HWDP = Heavy Weight Drill Pipe

MWD = Measurement While Drilling

B. Well Control Procedures

Well control procedures are specific to the rig equipment and the operation at the time the kick occurs. Below are the minimal high-level tasks prescribed to assure a proper shut-in while drilling, tripping, running casing, pipe out of the hole (open hole), and moving the Bottom Hole Assembly (BHA) through the Blowout Preventers (BOP). The pressure at which control is swapped from the annular to another compatible ram will occur when the anticipated pressure is approaching or envisioned to exceed 70% of the 5M annular Rated Working Pressure (RWP) or 3500 PSI.

General Procedure While Drilling

1. Sound alarm (alert crew)
2. Space out drill string
3. Shut down pumps (stop pumps and rotary)
4. Shut-in Well (uppermost applicable BOP, typically annular preventer first. The Hydraulic Control Remote (HCR) valve and choke will already be in the closed position).
5. Confirm shut-in
6. Notify tool pusher/company representative

7. Read and record the following:
 - a. SIDPP and SICP
 - b. Pit gain
 - c. Time
8. Regroup and identify forward plan
9. If pressure has built or expected to reach 70% of the annular RWP during kill operations, crew will reconfirm spacing and swap to the upper pipe ram

General Procedure While Tripping

1. Sound alarm (alert crew)
2. Stab full opening safety valve and close
3. Space out drill string
4. Shut-in (uppermost applicable BOP, typically annular preventer first. The HCR and choke will already be in the closed position)
5. Confirm shut-in
6. Notify tool pusher/company representative
7. Read and record the following
 - a. SIDPP and SICP
 - b. Pit gain
 - c. Time
 - d. Regroup and identify forward plan
 - e. If pressure has built or is anticipated during the kill to reach the RWP of the annular preventer, confirm spacing and swap to the upper pipe ram

General Procedure While Running Casing

1. Sound alarm (alert crew)
2. Stab crossover and full opening safety valve and close
3. Space out string
4. Shut-in (uppermost applicable BOP, typically annular preventer first. The HCR and choke will already be in the closed position).
5. Confirm shut-in
6. Notify tool pusher/company representative
7. Read and record the following:
 - a. SIDPP and SICP
 - b. Pit gain
 - c. Time
 - d. Regroup and identify forward plan.
 - e. If pressure has built or is anticipated during the kill to reach the RWP of the annular preventer, confirm spacing and swap to compatible pipe ram.

General Procedure With No Pipe In Hole (Open Hole)

1. Sound alarm (alert crew)
2. Shut-in with blind rams or BSR. (The HCR and choke will already be in the closed position)
3. Confirm shut-in
4. Notify tool pusher/company representative

5. Read and record the following:
 - a. SICP
 - b. Pit gain
 - c. Time
6. Regroup and identify forward plan

General Procedures While Pulling BHA thru Stack

1. PRIOR to pulling last joint of drill pipe thru the stack.
 - a. Perform flow check, if flowing:
 - b. Sound alarm (alert crew)
 - c. Stab full opening safety valve and close
 - d. Space out drill string with tool joint just beneath the upper pipe ram
 - e. Shut-in using upper pipe ram. (The HCR and choke will already be in the closed position)
 - f. Confirm shut-in
 - g. Notify tool pusher/company representative
 - h. Read and record the following:
 - i. SIDPP and SICP
 - ii. Pit gain
 - iii. Time
 - iv. Regroup and identify forward plan
2. With BHA in the stack and compatible ram preventer and pipe combo immediately available.
 - a. Sound alarm (alert crew)
 - b. Stab crossover and full opening safety valve and close
 - c. Space out drill string with upset just beneath the compatible pipe ram
 - d. Shut-in using compatible pipe ram. (The HCR and choke will already be in the closed position.)
 - e. Confirm shut-in
 - f. Notify tool pusher/company representative
 - g. Read and record the following:
 - i. SIDPP and SICP
 - ii. Pit gain
 - iii. Time
 - iv. Regroup and identify forward plan
3. With BHA in the stack and NO compatible ram preventer and pipe combo immediately available.
 - a. Sound alarm (alert crew)
 - b. If possible to pick up high enough, pull string clear of the stack and follow "Open Hole" scenario
 - c. If impossible to pick up high enough to pull the string clear of the stack
 - d. Stab crossover, make up one joint/stand of drill pipe, and full opening safety valve and close
 - e. Space out drill string with tool joint just beneath the upper pipe ram

- f. Shut-in using upper pipe ram. (The HCR and choke will already be in the closed position)
- g. Confirm shut-in
- h. Notify tool pusher/company representative
- i. Read and record the following:
 - i. SIDPP and SICP
 - ii. Pit gain
 - iii. Time
- j. Regroup and identify forward plan



TenarisHydril Wedge 425®



| Coupling | Pipe Body |
|----------------|-----------------|
| Grade: P110-CY | Grade: P110-CY |
| Body: White | 1st Band: White |
| 1st Band: Grey | 2nd Band: Grey |
| 2nd Band: - | 3rd Band: - |
| 3rd Band: - | 4th Band: - |
| | 5th Band: - |
| | 6th Band: - |

| | | | | | |
|----------------------|-----------|-----------------|--------------|-------|---------|
| Outside Diameter | 5.500 in. | Wall Thickness | 0.361 in. | Grade | P110-CY |
| Min. Wall Thickness | 87.50 % | Pipe Body Drift | API Standard | Type | Casing |
| Connection OD Option | REGULAR | | | | |

Pipe Body Data

| Geometry | | | | Performance | |
|----------------|-----------|------------------|-------------|------------------------------|--------------|
| Nominal OD | 5.500 in. | Wall Thickness | 0.361 in. | Body Yield Strength | 641 x1000 lb |
| Nominal Weight | 20 lb/ft | Plain End Weight | 19.83 lb/ft | Min. Internal Yield Pressure | 12,640 psi |
| Drift | 4.653 in. | OD Tolerance | API | SMYS | 110,000 psi |
| Nominal ID | 4.778 in. | | | Collapse Pressure | 11,100 psi |

Connection Data

| Geometry | | Performance | | Make-Up Torques | |
|----------------------|-----------|----------------------------|--------------|-------------------------|--------------|
| Connection OD | 5.777 in. | Tension Efficiency | 90 % | Minimum | 15,700 ft-lb |
| Connection ID | 4.734 in. | Joint Yield Strength | 577 x1000 lb | Optimum | 19,600 ft-lb |
| Make-up Loss | 5.823 in. | Internal Pressure Capacity | 12,640 psi | Maximum | 21,600 ft-lb |
| Threads per inch | 3.77 | Compression Efficiency | 90 % | | |
| Connection OD Option | Regular | Compression Strength | 577 x1000 lb | Operation Limit Torques | |
| | | Max. Allowable Bending | 82 °/100 ft | Operating Torque | 29,000 ft-lb |
| | | External Pressure Capacity | 11,100 psi | Yield Torque | 36,000 ft-lb |

Notes

This connection is fully interchangeable with:
TORQ® SFW™ - 5.5 in. - 0.361 in.
Connections with Dopeless® Technology are fully compatible with the same connection in its Standard version

For the latest performance data, always visit our website: www.tenaris.com

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TenarisHydril Wedge 441®



| Coupling | Pipe Body |
|----------------|-----------------|
| Grade: P110-CY | Grade: P110-CY |
| Body: White | 1st Band: White |
| 1st Band: Grey | 2nd Band: Grey |
| 2nd Band: - | 3rd Band: - |
| 3rd Band: - | 4th Band: - |
| | 5th Band: - |
| | 6th Band: - |

| | | | | | |
|----------------------|-----------|----------------|--------------|-------|---------|
| Outside Diameter | 5.500 in. | Wall Thickness | 0.361 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 | 0.361 in. | Body Yield Strength | 641 x1000 lb |
| Nominal Weight | 20 lb/ft | Plain End Weight | 19.83 lb/ft | Min. Internal Yield Pressure | 12,640 psi |
| Drift | 4.653 in. | OD Tolerance | API | SMYS | 110,000 psi |
| Nominal ID | 4.778 in. | | | Collapse Pressure | 11,100 psi |

Connection Data

| Geometry | | Performance | | Make-Up Torques | |
|----------------------|-----------|----------------------------|--------------|-------------------------|--------------|
| Connection OD | 5.852 in. | Tension Efficiency | 81.50 % | Minimum | 15,000 ft-lb |
| Coupling Length | 8.714 in. | Joint Yield Strength | 522 x1000 lb | Optimum | 16,000 ft-lb |
| Connection ID | 4.778 in. | Internal Pressure Capacity | 12,640 psi | Maximum | 19,200 ft-lb |
| Make-up Loss | 3.780 in. | Compression Efficiency | 81.50 % | Operation Limit Torques | |
| Threads per inch | 3.40 | Compression Strength | 522 x1000 lb | Operating Torque | 32,000 ft-lb |
| Connection OD Option | Regular | Max. Allowable Bending | 71 °/100 ft | Yield Torque | 38,000 ft-lb |
| | | External Pressure Capacity | 11,100 psi | Buck-On | |
| | | | | Minimum | 19,200 ft-lb |
| | | | | Maximum | 20,700 ft-lb |

Notes

This connection is fully interchangeable with:
Wedge 441® - 5.5 in. - 0.304 in.
Connections with Dopeless® Technology are fully compatible with the same connection in its Standard version

For the latest performance data, always visit our website: www.tenaris.com

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5.500" 20.00 lb/ft P110-CY
TenarisHydril Wedge 461™ Matched
Strength



Special Data Sheet
TH DS-20.0359
12 August 2020
Rev 00

| | | | | | |
|--------------------|-----------|----------------|-----------|----------------------|------------------|
| Nominal OD | 5.500 in. | Wall Thickness | 0.361 in. | Grade | P110-CY |
| Min Wall Thickness | 87.5% | Type | CASING | Connection OD Option | MATCHED STRENGTH |

Pipe Body Data

| Geometry | | | Performance | | |
|-------------------------|--------------|------------------|--------------|---------------------|----------------|
| Nominal OD | 5.500 in. | Nominal ID | 4.778 in. | Body Yield Strength | 641 x 1000 lbs |
| Nominal Weight | 20.00 lbs/ft | Wall Thickness | 0.361 in. | Internal Yield | 12640 psi |
| Standard Drift Diameter | 4.653 in. | Plain End Weight | 19.83 lbs/ft | SMYS | 110000 psi |
| Special Drift Diameter | N/A | OD Tolerance | API | Collapse Pressure | 11110 psi |

Connection Data

| Geometry | | Performance | | Make-up Torques | |
|----------------------|------------------|------------------------|----------------|---------------------------|--------------|
| Matched Strength OD | 6.050 in. | Tension Efficiency | 100% | Minimum | 17000 ft-lbs |
| Make-up Loss | 3.775 in. | Joint Yield Strength | 641 x 1000 lbs | Optimum | 18000 ft-lbs |
| Threads per in. | 3.40 | Internal Yield | 12640 psi | Maximum | 21600 ft-lbs |
| Connection OD Option | MATCHED STRENGTH | Compression Efficiency | 100% | Operational Limit Torques | |
| Coupling Length | 7.714 in. | Compression Strength | 641 x 1000 lbs | Operating Torque | 32000 ft-lbs |
| | | Bending | 92 °/100 ft | Yield Torque | 38000 ft-lbs |
| | | Collapse | 11110 psi | Buck-On Torques | |
| | | | | Minimum | 21600 ft-lbs |
| | | | | Maximum | 23100 ft-lbs |

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
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 116357

CONDITIONS

| | |
|--|--|
| Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294 | OGRID: 16696 |
| | Action Number: 116357 |
| | Action Type: [C-103] NOI Change of Plans (C-103A) |

CONDITIONS

| | | |
|------------|----------------------|----------------|
| Created By | Condition | Condition Date |
| pkautz | PREVIOUS COA'S APPLY | 6/13/2022 |