

U.S. Department of the Interior BUREAU OF LAND MANAGEMENT

Sundry Print Reports
03/22/2024

Well Name: DR PI FEDERAL UNIT Well Location: T22S / R32E / SEC 17 / County or Parish/State:

17_8 SESW /

Well Number: 11H Type of Well: OIL WELL Allottee or Tribe Name:

Lease Number: NMNM128362 Unit or CA Name: Unit or CA Number:

NMNM105825907

US Well Number: 3002548944 Well Status: Location Operator: OXY USA

INCORPORATED

Notice of Intent

Sundry ID: 2754899

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 10/04/2023 Time Sundry Submitted: 01:21

Date proposed operation will begin: 11/01/2023

Procedure Description: OXY USA INC. Respectfully requests approval to make changes to our approved APD, see the following change requests below: Update Surface Hole: from Sec 17, T22S, R32E, 525' From the South and 1615' From the West, to the new location of Sec 17, T22S, R32E, 345' From the South and 1615' from the West. Update Bottom Hole: from Section 8 T22S, R32E, 20' from the North and 440' from the West, to the new location of Section 8, T22S, R32E, 20' From the North and 1200' From the West. Changes to our casing 3 string design, with the contingency to run a 4 string design, depending on hole conditions while drilling. We request the option to run 10.75" Intermediate 1 as a contingency string to be run only if severe hole conditions dictate an additional casing string necessary. This would make the planned 7.625"/7.827" casing the intermediate 2. If 4 string contingency is not required, OXY requests permission to transition from 12.25" to 9.875" Intermediate 1 at 1st trip point below Brushy Top. See attached updated drill plan for the planned 3 string design, and 4 string contingency.

NOI Attachments

Procedure Description

IP9571WEL00NM_DR_PI_FED_UNIT_17_8_DA_11H_C_102_20231004132033.pdf

DrPiFedUnit17_8DA11H_TNSWedge463_7.827in_39.30ppf_P110S_20231004132031.pdf

DrPiFedUnit17_8DA11H_OfflineCementVariance_20231004132026.pdf

DrPiFedUnit17_8DA11H_FalconSL1AnnClearanceVariance_20231004132026.pdf

DrPiFedUnit17_8DA11H_DrillPlan_4SCont_20231004132026.pdf

well Name: DR PI FEDERAL UNIT

17_8

Well Location: T22S / R32E / SEC 17 /

SESW /

Well Number: 11H

Type of Well: OIL WELL

Allottee or Tribe Name:

County or Parish/State:

Page 2 of

Lease Number: NMNM128362

Unit or CA Name:

Unit or CA Number: NMNM105825907

US Well Number: 3002548944

Well Status: Location

Operator: OXY USA INCORPORATED

DrPiFedUnit17_8DA11H_DirectPlan_20231004132026.pdf

DrPiFedUnit17_8DA11H_DrillPlan_3S_20231004132026.pdf

DrPiFedUnit17_8DA11H_TNSWedge461_5.500in_20.00ppf_P110CY_20231004132026.pdf

DrPiFedUnit17_8DA11H_13inADAPT_4S_10x15_20231004132019.pdf

DrPiFedUnit17_8DA11H_CsgCriteria_20231004132019.pdf

DrPiFedUnit17_8DA11H_3SFalconSL1ContingencyTiebackDetails_20231004132019.pdf

DrPiFedUnit17_8DA11H_BradenheadCBLVariance_20231004132019.pdf

DrPiFedUnit17_8DA11H_4SFalconSL1ContingencyTiebackDetails_20231004132019.pdf

DrPiFedUnit17_8DA11H_API_BTC_SC_10.750in_45.50ppf_L80IC_20231004132019.pdf

Conditions of Approval

Additional

FALCON_DESIGN___DR_PI_FED_UNIT_17_8_11H___SUNDRY_COA_20240306150732.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: SARAH MCKINNEY Signed on: OCT 05, 2023 09:29 AM

Name: OXY USA INCORPORATED

Title: Regulatory Analyst Sr

Street Address: 5 GREENWAY PLAZA SUITE 110

City: HOUSTON State: TX

Phone: (713) 215-7295

Email address: SARAH_MCKINNEY@OXY.COM

| E | iΔ | ы |
|---|----|----|
| | | ıu |
| | | |

Representative Name:

Street Address:

City: State:

Phone:

Email address:

Zip:

Well Name: DR PI FEDERAL UNIT Well Location: T22S / R32E / SEC 17 / County or Parish/State:

17_8 SESW /

Well Number: 11H Type of Well: OIL WELL Allottee or Tribe Name:

Lease Number: NMNM128362 Unit or CA Name: Unit or CA Number:

NMNM105825907

Page 3 of

US Well Number: 3002548944 Well Status: Location Operator: OXY USA

INCORPORATED

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:** 03/07/2024

Signature: Chris Walls

Form 3160-5 (June 2019)

UNITED STATES DEPARTMENT OF THE INTERIOR

| FORM APPROVED | |
|---------------------------|--|
| OMB No. 1004-0137 | |
| Expires: October 31, 2021 | |
| | |

| | 5. | Lease | Serial | No |
|--|----|-------|--------|----|
|--|----|-------|--------|----|

| BURI | EAU OF LAND MANAGEMENT | 3. Lease Schai ivo. | | | |
|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------------|-----------------------------------------|--|
| Do not use this f | OTICES AND REPORTS ON Worm for proposals to drill or to Jse Form 3160-3 (APD) for suc | 6. If Indian, Allottee or | r Tribe Name | | |
| abandoned wen. | ose romi oroc-o (Ar b) for suc | лі ріорозаіз. | 7 IfII:: 4 - f C A / A | None and None | |
| | TRIPLICATE - Other instructions on page | 9 2 | /. If Unit of CA/Agree | ement, Name and/or No. | |
| 1. Type of Well | | | 8. Well Name and No. | | |
| Oil Well Gas W | Vell Other | | | | |
| 2. Name of Operator | | | 9. API Well No. | | |
| 3a. Address | 3b. Phone No. | (include area code) | 10. Field and Pool or I | Exploratory Area | |
| 4. Location of Well (Footage, Sec., T.,R | .,M., or Survey Description) | | 11. Country or Parish, | State | |
| 12. CHE | CK THE APPROPRIATE BOX(ES) TO INC | DICATE NATURE OF NO | TICE, REPORT OR OTH | IER DATA | |
| TYPE OF SUBMISSION | | TYPE OF A | CTION | | |
| Notice of Intent | Acidize Deep Alter Casing Hydra | = | oduction (Start/Resume) | Water Shut-Off Well Integrity | |
| Subsequent Report | Casing Repair New | Construction Re | ecomplete | Other | |
| Subsequent Report | Change Plans Plug | and Abandon Te | mporarily Abandon | | |
| Final Abandonment Notice | Convert to Injection Plug | Back W | ater Disposal | | |
| completed. Final Abandonment Not is ready for final inspection.) | ns. If the operation results in a multiple comices must be filed only after all requirements | | | | |
| 4. I hereby certify that the foregoing is | true and correct. Name (Printed/Typed) | Title | | | |
| Signature | | Date | | | |
| | THE SPACE FOR FEDE | ERAL OR STATE C | FICE USE | | |
| Approved by | | | I | | |
| rr | | Title | I | Date | |
| | ned. Approval of this notice does not warrant quitable title to those rights in the subject lead duct operations thereon. | | ' | | |
| | B U.S.C Section 1212, make it a crime for an | | villfully to make to any de | partment or agency of the United States | |

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Location of Well

0. SHL: SESW / 525 FSL / 1615 FWL / TWSP: 22S / RANGE: 32E / SECTION: 17 / LAT: 32.3857854 / LONG: -103.7001096 (TVD: 0 feet, MD: 0 feet) PPP: SWSW / 100 FSL / 440 FWL / TWSP: 22S / RANGE: 32E / SECTION: 17 / LAT: 32.3846026 / LONG: -103.7039147 (TVD: 9222 feet, MD: 9797 feet) PPP: NWNW / 1312 FNL / 440 FWL / TWSP: 22S / RANGE: 32E / SECTION: 8 / LAT: 32.409741 / LONG: -103.703949 (TVD: 9222 feet, MD: 18930 feet) PPP: SWSW / 3 FSL / 439 FWL / TWSP: 22S / RANGE: 32E / SECTION: 8 / LAT: 32.398856 / LONG: -103.703934 (TVD: 9222 feet, MD: 14970 feet) BHL: NWNW / 20 FNL / 440 FWL / TWSP: 22S / RANGE: 32E / SECTION: 8 / LAT: 32.4132922 / LONG: -103.7039541 (TVD: 9222 feet, MD: 20223 feet)

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:
WELL NAME & NO.:
DR PI FED UNIT 17 8 / 11H
SURFACE HOLE FOOTAGE:
BOTTOM HOLE FOOTAGE
LOCATION:
COUNTY:
OXY USA INCORPORATED
DR PI FED UNIT 17 8 / 11H
Surface Hole Footage
20'/N & 1200'/W
Section 17, T.22 S., R.32 E.
Lea County, New Mexico

ALL PREVIOUS COAs STILL APPLY

| H2S | Yes | O No | |
|----------------------|------------------|----------------|------------------|
| Potash | None | Secretary | © R-111-P |
| Cave/Karst Potential | • Low | O Medium | O High |
| Cave/Karst Potential | O Critical | | |
| Variance | O None | Flex Hose | Other Other |
| Wellhead | Conventional | • Multibowl | O Both |
| Wellhead Variance | O Diverter | | |
| Other | □4 String | ☐ Capitan Reef | □WIPP |
| Other | ☐ Fluid Filled | ☐ Pilot Hole | ☐ Open Annulus |
| Cementing | ☐ Contingency | ☐ EchoMeter | ✓ Primary Cement |
| _ | Cement Squeeze | | Squeeze |
| Special Requirements | ☐ Water Disposal | □ СОМ | ✓ Unit |
| Special Requirements | ☐ Batch Sundry | | |
| Special Requirements | ✓ Break Testing | ✓ Offline | ✓ Casing |
| Variance | | Cementing | Clearance |

COA

A. CASING

COA for the proposed Falcon Design (2-string + production liner):

- Tie Back of the liner should be a minimum of 200' into the previous casing
- Surface and Intermediate cement to surface should be verified visually. If cement fallback is suspected, an Echo-meter can be run to verify cement top in the intermediate and a temp log may be run in the surface interval. CBL should be run if confidence is lacking in the surface or intermediate cement job. The proposed falcon design (2-string + production liner) is only approved when surface and intermediate sections are cemented to surface. Operator to revert to 3-string design when surface or intermediate cementing is of poor quality or not verified to surface
- Region 2 NACE certified intermediate casing must be used

- A third-party verification (such as thread rep or torque turn) must be conducted to ensure the connection makeups are to spec for the intermediate casing string exposed to frac pressures
- Corrosion inhibitors must be used in areas with corrosive production fluids
- Operator should actively monitor annulus during the completion phase. Wells should be monitored in a manner capable of identifying a casing leak or liner top packer leak, within an acceptable time frame while on production. Remedial work may be required to restore intermediate casing integrity or liner top packer integrity in a failure event
- BLM should be notified if cement is not verified to the liner top
- Surface location must NOT be located within SOPA, KPLA, Capitan Reef or High Cave Karst

Alternate Casing Design A:

- 1. The **13-3/8** inch surface casing shall be set at approximately **958** feet (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite and above the salt) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.
- 2. The **7.827** inch intermediate casing shall be set at approximately **8634** feet. Operator has requested for the option to change hole size from 12.25" to 9.875" after trip at Brushy Top and is OK. The minimum required fill of cement behind the **7.827** inch intermediate casing is:

Option 1 (Single Stage):

• Cement to surface. If cement does not circulate see B.1.a, c-d above.

Operator has proposed to pump down 7.827" X 13-3/8" annulus. Operator must top out cement after the bradenhead squeeze and verify cement to surface. Operator can also check TOC with Echo-meter. CBL must be run from TD of the 7.827"

casing to surface if confidence is lacking on the quality of the bradenhead squeeze cement job. Submit results to BLM.

- 3. The 5-1/2 inch production liner shall be set at approximately 20,164 feet. A minimum 200' tie back of production liner into the intermediate casing is required. Successful liner top pressure test critical for zonal isolation check. If ICP in Bone Spring Pool and lateral landed in Wolfcamp Pool, a CBL will be ran. The minimum required fill of cement behind the 5-1/2 inch production liner is:
 - Cement should tie-back **200 feet** into the previous casing. Operator shall provide method of verification.
 - Operator has proposed 10% excess instead of 25% excess recommendation for the liner design and this is acceptable. Losses may need to be cured and pump rates may need to be modified to achieve cement tieback when losses occur or are anticipated in the production interval

Alternate Casing Design B:

- 1. The **13-3/8** inch surface casing shall be set at approximately **958** feet (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite and above the salt) and cemented to the surface.
 - e. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - f. Wait on cement (WOC) time for a primary cement job will be a minimum of **8** hours or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
 - g. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - h. If cement falls back, remedial cementing will be done prior to drilling out that string.
- 2. The **10.75** inch intermediate casing shall be set at approximately **4,870** feet. **Keep casing half full for collapse SF.** The minimum required fill of cement behind the **10.75** inch intermediate casing is:

Option 1 (Single Stage):

• Cement to surface. If cement does not circulate see B.1.a, c-d above.

3. The **7.827** inch intermediate casing shall be set at approximately **8634** feet. The minimum required fill of cement behind the **7.827** inch intermediate casing is:

Option 1 (Single Stage):

• Cement to surface. If cement does not circulate see B.1.a, c-d above.

Operator has proposed to pump down 7.827" X 10-3/4" annulus. Operator must top out cement after the bradenhead squeeze and verify cement to surface. Operator can also check TOC with Echo-meter. CBL must be run from TD of the 7.827" casing to surface if confidence is lacking on the quality of the bradenhead squeeze cement job. Submit results to BLM.

- 4. The 5-1/2 inch production liner shall be set at approximately 20,164 feet. A minimum 200' tie back of production liner into the intermediate casing is required. Successful liner top pressure test critical for zonal isolation check. If ICP in Bone Spring Pool and lateral landed in Wolfcamp Pool, a CBL will be ran. The minimum required fill of cement behind the 5-1/2 inch production liner is:
 - Cement should tie-back **200 feet** into the previous casing. Operator shall provide method of verification.
 - Operator has proposed 10% excess instead of 25% excess recommendation for the liner design and this is acceptable. Losses may need to be cured and pump rates may need to be modified to achieve cement tieback when losses occur or are anticipated in the production interval

GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)
 - Eddy County
 Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (575) 361-2822
 - Lea County
 Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575)
 689-5981

- 1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
 - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
 - b. When the operator proposes to set surface casing with Spudder Rig
 - Notify the BLM when moving in and removing the Spudder Rig.
 - Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - BOP/BOPE test to be conducted per Onshore Oil and Gas Order No. 2 as soon as 2nd Rig is rigged up on well.
- 2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
- 3. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

A. CASING

- 1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
- 2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends, 2) until cement has been in place at least 24 hours. WOC time will be recorded in the driller's log. The casing intergrity test can be done (prior to the cement setting up) immediately after bumping the plug.

- 3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing intergrity test can be done (prior to the cement setting up) immediately after bumping the plug.
- 4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
- 5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
- 6. 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. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
- 7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
- 8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

- 1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
- 2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.

- 3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
- 4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - 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. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.
 - e. 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.
- 5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
 - b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)
 - c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to Onshore Order 2 with the pressure not to exceed 70% of the burst rating for the casing. Any

test against the casing must meet the WOC time for water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).

- d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
- e. The results of the test shall be reported to the appropriate BLM office.
- f. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- g. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per Onshore Order No. 2.

C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

KPI - 01/25/2024

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 <u>District II</u> 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

| | | ² Pool Code 97366 | ³ Pool Name Bilbrey Basin; Bone Spring, South | |
|---------------------------------|--|-----------------------------|-------------------------------------------------------------|--|
| 4 Property Code 332769 | | ⁵ Pr DR PI FE | ⁶ Well Number 11H | |
| ⁷ OGRID No. 16696 | | * O _I | ⁹ Elevation 3692.0' | |

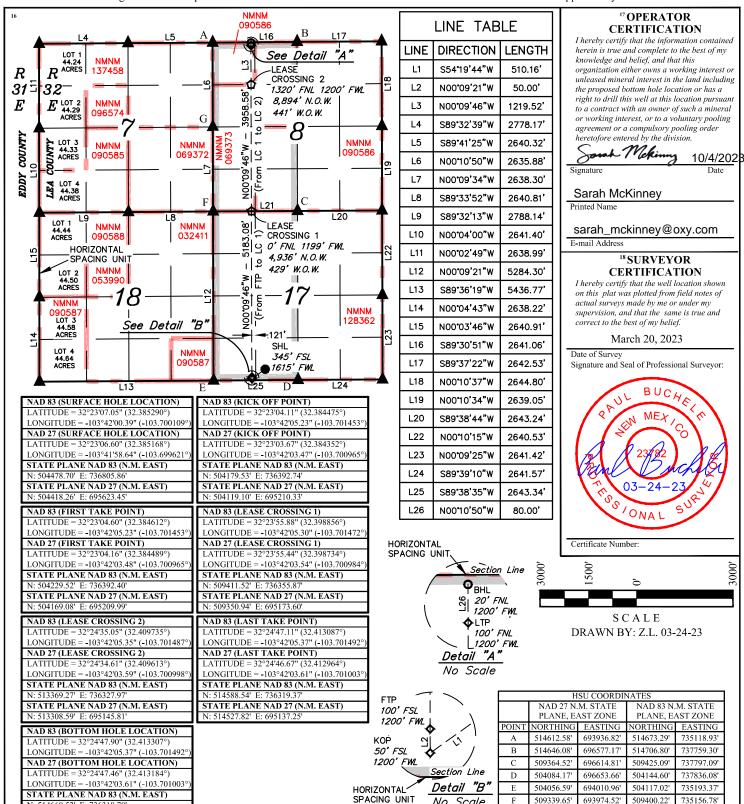
Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| N | 17 | 22S | 32E | | 345 | SOUTH | 1615 | WEST | LEA |

¹¹ Bottom Hole Location If Different From Surface

| UL or lot no. D | Section 8 | | Township 22S | Range 32E | Lot Idn | F | eet from the 20 | North/South line NORTH | Feet from the 1200 | East/West line WEST | County LEA |
|--------------------------|--------------|-------------------|-----------------|--------------|---------------|---|-------------------------|---------------------------|--------------------|------------------------|---------------|
| 12 Dedicated Acre 640 | es 1: | ³ Joir | nt or Infill | 14 Conso | lidation Code | | ¹⁵ 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.



NOTE:

• Distances referenced on plat to

STATE PLANE NAD 27 (N.M. EAST)

0' E: 695136 66

section lines are perpendicular. Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of

W103°53'00" (NAD 83)

- SURFACE HOLE LOCATION KICK OFF POINT/TAKE POINTS ø =

No Scale

- LEASE CROSSING **☆** =
- BOTTOM HOLE LOCATION O
- SECTION CORNER LOCATED =
 - LEASE LINE.
- N.O.W.= NORTH OF WELL W.O.W.= WEST OF WELL

Released to Imaging: 4/9/2024 10:54:48 AM

509400.22'

512037.97'

511977.33' 693956.15'

TenarisHydril Wedge 463®



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

| Outside Diameter | 7.827 in. | Wall Thickness | 0.500 in. | Grade | P110-S |
|----------------------|-----------|-----------------|---------------|-------|--------|
| Min. Wall Thickness | 87.50 % | Pipe Body Drift | Special Drift | Туре | Casing |
| Connection OD Option | REGULAR | | | | |

Pipe Body Data

| Geometry | | | |
|----------------|-------------|------------------|-------------|
| Nominal OD | 7.827 in. | Wall Thickness | 0.500 in. |
| Nominal Weight | 39.30 lb/ft | Plain End Weight | 39.16 lb/ft |
| Drift | 6.750 in. | OD Tolerance | API |
| Nominal ID | 6.827 in. | | |

| Performance | |
|------------------------------|---------------|
| Body Yield Strength | 1266 x1000 lb |
| Min. Internal Yield Pressure | 12,300 psi |
| SMYS | 110,000 psi |
| Collapse Pressure | 10,490 psi |

Connection Data

| Geometry | |
|----------------------|------------|
| Connection OD | 8.500 in. |
| Coupling Length | 10.950 in. |
| Connection ID | 6.814 in. |
| Make-up Loss | 4.520 in. |
| Threads per inch | 3.25 |
| Connection OD Option | Regular |
| | |

| Performance | |
|----------------------------|----------------|
| Tension Efficiency | 100 % |
| Joint Yield Strength | 1266 x1000 lb |
| Internal Pressure Capacity | 12,300 psi |
| Compression Efficiency | 100 % |
| Compression Strength | 1266 x1000 lb |
| Max. Allowable Bending | 64.42 °/100 ft |
| External Pressure Capacity | 10,490 psi |
| Coupling Face Load | 414,177 lb |
| | |

| Make-Up Torques | |
|-------------------------|------------------------------|
| Minimum | 22,000 ft-lb |
| Optimum | 23,000 ft-lb |
| Maximum | 27,000 ft-lb |
| Operation Limit Torques | |
| Operating Torque | 61,000 ft-lb |
| | |
| Yield Torque | 70,000 ft-lb |
| Yield Torque Buck-On | 70,000 ft-lb |
| | 70,000 ft-lb 26,000 ft-lb |

Notes

For the lastest performance data, always visit our website: www.tenaris.com
For further information on concepts indicated in this datasheet, download the Datasheet Manual from www.tenaris.com

Tenaris has issued this document for general information only, and the information in this document, including, without limitation, any pictures, drawings or designs ("Information") is not intended to constitute professional or any other type of advice or recommendation and is provided on an "as is" basis. No warranty is given. Tenaris has not independently verified any information —if any- provided by the user in connection with, or for the purpose of, the Information contained hereunder. The use of the Information is at user's own risk and Tenaris does not assume any responsibility of inability of any kind for any loss, damage or injury resulting from, or in connection with any Information contained hereunder or any use thereof. The Information in this document is subject to change or modification without notice. Tenaris's products and services are subject to Tenaris's and conditions or otherwise to the terms resulting from the respective contracts of sale or services, as the case may be, between petitioner and Tenaris. For more complete information please contact a Tenaris's representative or visit our website at www.tenaris.com . ©Tenaris 2023. All rights reserved.

PII/CII

Offline Cementing Variance Request

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.

1. Cement Program

No changes to the cement program will take place for offline cementing.

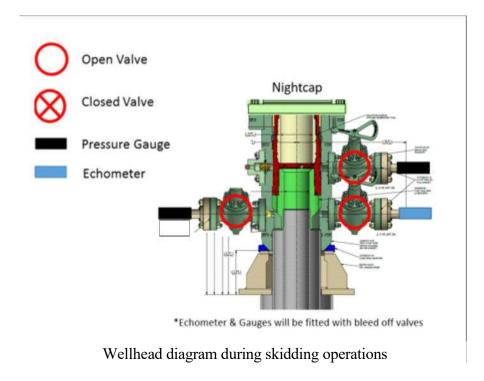
2. Offline Cementing Procedure

The operational sequence will be as follows:

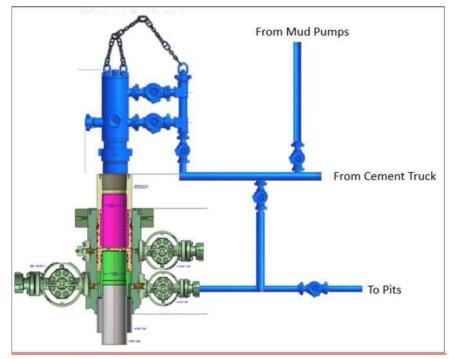
- 1. Run casing as per normal operations. While running casing, conduct negative pressure test and confirm integrity of the float equipment (float collar and shoe)
- 2. Land casing with mandrel
- 3. Fill pipe with kill weight fluid, do not circulate through floats and confirm well is static
- 4. Set annular packoff shown below and pressure test to confirm integrity of the seal. Pressure ratings of wellhead components and valves is 5,000 psi

Annular packoff with both external and internal seals





- 5. After confirmation of both annular barriers and internal barriers, nipple down BOP and install cap flange.
 - a. If any barrier fails to test, the BOP stack will not be nippled down until after the cement job is completed with cement 500ft above the highest formation capable of flow with kill weight mud above or after it has achieved 50 psi compressive strength if cannot be verified.
- 6. Skid rig to next well on pad.
- 7. Confirm well is static before removing cap flange, flange will not be removed and offline cementing operations will not commence until well is under control. If well is not static, casing outlet valves will provide access to both the casing ID and annulus. Rig or third party pump truck will kill well prior to cementing or nippling up for further remediation.
 - a. Well Control Plan
 - i. The Drillers Method will be the primary well control method to regain control of the wellbore prior to cementing, if wellbore conditions do not permit the drillers method other methods of well control may be used
 - ii. Rig pumps or a $3^{\rm rd}$ party pump will be tied into the upper casing valve to pump down the casing ID
 - iii. A high pressure return line will be rigged up to lower casing valve and run to choke manifold to control annular pressure
 - iv. Once influx is circulated out of the hole, kill weight mud will be circulated
 - v. Well will be confirmed static
 - vi. Once confirmed static, cap flange will be removed to allow for offline cementing operations to commence
- 8. Install offline cement tool
- 9. Rig up cement equipment



Wellhead diagram during offline cementing operations

- 10. Circulate bottoms up with cement truck
 - a. If gas is present on bottoms up, well will be shut in and returns rerouted through gas buster to handle entrained gas
 - b. Max anticipated time before circulating with cement truck is 6 hrs
- 11. Perform cement job taking returns from the annulus wellhead valve
- 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.

Falcon SL1 Production Casing Annular Clearance Variance Request

If Production Casing Connection OD does not meet 0.422" annular clearance inside casing:

- Cement excess will be circulated from Top of Liner to surface (Cement Confirmation)
- Liner Top will be tested to confirm seal.
- If ICP in Bone Spring Pool and lateral landed in Wolfcamp Pool, a CBL will be ran.

Oxy USA Inc. - Dr Pi Fed Unit 17_8 DA 11H Drill Plan

1. Geologic Formations

| TVD of Target (ft): | 9320 | Pilot Hole Depth (ft): | |
|----------------------------|-------|------------------------------------|-----|
| Total Measured Depth (ft): | 20164 | Deepest Expected Fresh Water (ft): | 898 |

Delaware Basin

| Formation | MD-RKB (ft) | TVD-RKB (ft) | Expected Fluids |
|-----------------|-------------|--------------|------------------------|
| Rustler | 898 | 898 | |
| Salado | 1196 | 1196 | Salt |
| Castile | 2824 | 2824 | Salt |
| Delaware | 4785 | 4770 | Oil/Gas/Brine |
| Bell Canyon | 4847 | 4831 | Oil/Gas/Brine |
| Cherry Canyon | 5709 | 5680 | Oil/Gas/Brine |
| Brushy Canyon | 6926 | 6878 | Losses |
| Bone Spring | 8694 | 8619 | Oil/Gas |
| Bone Spring 1st | | | Oil/Gas |
| Bone Spring 2nd | | | Oil/Gas |
| Bone Spring 3rd | | | Oil/Gas |
| Wolfcamp | | | Oil/Gas |
| Penn | | | Oil/Gas |
| Strawn | | | Oil/Gas |

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

2. Casing Program

| | | N | ID | TVD | | | | | |
|--------------|-----------|------|-------|------|------|---------|---------|---------|-----------|
| | Hole | From | То | From | То | Csg. | Csg Wt. | | |
| Section | Size (in) | (ft) | (ft) | (ft) | (ft) | OD (in) | (ppf) | Grade | Conn. |
| Surface | 17.5 | 0 | 958 | 0 | 958 | 13.375 | 54.5 | J-55 | втс |
| Salt | 12.25 | 0 | 4870 | 0 | 4854 | 10.75 | 45.5 | L-80 HC | BTC-SC |
| Intermediate | 9.875 | 0 | 8634 | 0 | 8558 | 7.827 | 39.3 | P110S | Wedge 463 |
| Production | 6.75 | 8434 | 20164 | 8358 | 9320 | 5.5 | 20 | P-110 | Wedge 461 |

All casing strings will be tested in accordance with 43 CFR part 3170 Subpart 3172

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

*If Production Casing Connection OD does not meet 0.422" annular clearance inside casing:

- Cement excess will be circulated from Top of Liner to surface (Cement Confirmation)
- Liner Top will be tested to confirm seal
- If ICP in Bone Spring Pool and lateral landed in Wolfcamp Pool, a CBL will be ran.

| | Y or N |
|-------------------------------------------------------------------------------------------------|--------|
| Is casing new? If used, attach certification as required in 43 CFR 3160 | 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? | Y |
| If not provide justification (loading assumptions, casing design criteria). | 1 |
| Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching | Y |
| the collapse pressure rating of the casing? | 1 |
| | |
| 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? | |

Occidental - Permian New Mexico Dr Pi Fed Unit 17_8 DA 11H

3. Cementing Program

| Section | Stage | Slurry: | Sacks | Yield (ft^3/ft) | Density (lb/gal) | Excess: | тос | Placement | Description |
|---------|-------|---------------------------|-------|--------------------|---------------------|---------|-------|------------|-------------------------------|
| Surface | 1 | Surface - Tail | 1001 | 1.33 | 14.8 | 100% | - | Circulate | Class C+Accel. |
| Int.1 | 1 | Intermediate - Tail | 85 | 1.33 | 14.8 | 20% | 4,370 | Circulate | Class C+Accel. |
| Int.1 | 1 | Intermediate - Lead | 688 | 1.73 | 12.9 | 50% | - | Circulate | Class Pozz+Ret. |
| Int. 2 | 1 | Intermediate 1S - Tail | 183 | 1.65 | 13.2 | 5% | 7,176 | Circulate | Class H+Accel., Disper., Salt |
| Int. 2 | 2 | Intermediate 2S - Tail BH | 920 | 1.71 | 13.3 | 25% | - | Bradenhead | Class C+Accel. |
| Prod. | 1 | Production - Tail | 885 | 1.38 | 13.2 | 25% | 8,434 | Circulate | Class H+Ret., Disper., Salt |

Offline Cementing Request

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. Please see Offline Cementing Variance attachment for further details.

Bradenhead CBL Request

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. Please see Bradenhead CBL Variance attachment for further details.

Cement Top and Liner Overlap

- Oxy is requesting permission to have minimum fill of cement behind the 5-1/2" production liner to be 200 ft into previous casing string
 - The reason for this is so that we can come back and develop shallower benches from the same 7.625"/7.827" mainbore in the future
- Cement will be brought to the top of this liner hanger

Occidental - Permian New Mexico Dr Pi Fed Unit 17_8 DA 11H

4. Pressure Control Equipment

| BOP installed and | | Min. | | | | | TVD Depth | |
|------------------------|---------|----------|--------|------------|----------|-------------------------|-----------|--|
| tested before drilling | Size? | Required | | Type | 1 | Tested to: | (ft) per | |
| | Size: | | | i ype | | resteu to. | • • • | |
| which hole? | | WP | | | | | Section: | |
| | | 5M | | Annular | ✓ | 70% of working pressure | | |
| | | | | Blind Ram | ✓ | | | |
| 12.25" Hole | 13-5/8" | 5M | | Pipe Ram | | 250 psi / 5000 psi | 4854 | |
| | | JIVI | | Double Ram | ✓ | 230 psi / 3000 psi | | |
| | | | Other* | | | | | |
| | | 5M | | Annular | ✓ | 70% of working pressure | | |
| | | | | Blind Ram | \ | | 8558 | |
| 9.875" Hole | 13-5/8" | 5M | | Pipe Ram | | 250 psi / 5000 psi | | |
| | | JIVI | | Double Ram | ✓ | 230 psi / 3000 psi | | |
| | | | Other* | | | | | |
| | | 5M | | Annular | ✓ | 70% of working pressure | | |
| | | | | Blind Ram | ✓ | | | |
| 6.75" Hole | 13-5/8" | 5M | | Pipe Ram | | 250 mai / 5000 mai | 9320 | |
| | | SIVI | | Double Ram | ✓ | 250 psi / 5000 psi | | |
| | | | Other* | | | | | |

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per 43 CFR part 3170 Subpart 3172 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.

^{*}Specify if additional ram is utilized

Occidental - Permian New Mexico

Formation integrity test will be performed per 43 CFR part 3170 Subpart 3172.

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 43 CFR part 3170 Subpart 3172.

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.

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 43 CFR part 3170 Subpart 3172 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. Please see BOP Break Testing Variance attachment for further details.

Oxy will use Cameron ADAPT wellhead system that uses an OEC top flange connection. This connection has been fully vetted and verified by API to Spec 6A and carries an API monogram.

5. Mud Program

| Section | Dep | th | Depth - | TVD | Tema | Weight | | Water |
|----------------|-----------|---------|-----------|---------|-------------------------------------------|------------|-----------|-------|
| Section | From (ft) | To (ft) | From (ft) | To (ft) | Туре | (ppg) | Viscosity | Loss |
| Surface | 0 | 958 | 0 | 958 | Water-Based Mud | 8.6 - 8.8 | 40-60 | N/C |
| Intermediate 1 | 958 | 4870 | 958 | 4854 | Saturated Brine-Based or Oil-Based Mud | 8.0 - 10.0 | 35-45 | N/C |
| Intermediate 2 | 4870 | 8634 | 4854 | 8558 | Water-Based or Oil- Based Mud | 8.0 - 10.0 | 38-50 | N/C |
| Production | 8634 | 20164 | 8558 | 9320 | Water-Based or Oil- Based Mud | 8.0 - 9.6 | 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 | PVT/MD Totco/Visual Monitoring |
|----------------------------------|----------------------------------|
| loss or gain of fluid? | PV1/IVID TOLCO/VISUAL MONITORING |

6. Logging and Testing Procedures

| Loggi | ng, Coring and Testing. |
|-------|------------------------------------------------------------------------------|
| Yes | Will run GR from TD to surface (horizontal well – vertical portion of hole). |
| 1 68 | 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 |

| Addit | ional logs planned | Interval |
|-------|--------------------|-------------------|
| No | Resistivity | |
| No | Density | |
| Yes | CBL | Production string |
| Yes | Mud log | Bone Spring – TD |
| No | PEX | |

7. Drilling Conditions

| Condition | Specify what type and where? |
|-------------------------------|------------------------------|
| BH Pressure at deepest TVD | 4653 psi |
| Abnormal Temperature | No |
| BH Temperature at deepest TVD | 155°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 43 CFR part 3170 Subpart 3172. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.

| N | H2S is present |
|---|-------------------|
| Υ | 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 2 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: 1723 bbls

PRD NM DIRECTIONAL PLANS (NAD 1983) Dr Awkward 17_8 Federal Com Dr Pi Fed Unit 17_8 DA 11H

Wellbore #1

Plan: Permitting Plan

Standard Planning Report

26 September, 2023

Planning Report

HOPSPP Database:

Company: **ENGINEERING DESIGNS**

Project: PRD NM DIRECTIONAL PLANS (NAD 1983)

Site: Dr Awkward 17_8 Federal Com Well: Dr Pi Fed Unit 17_8 DA 11H

Wellbore: Wellbore #1 Design: Permitting Plan Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference: **Survey Calculation Method:** Well Dr Pi Fed Unit 17_8 DA 11H

RKB=25' @ 3717.00ft RKB=25' @ 3717.00ft

Grid

Minimum Curvature

Project PRD NM DIRECTIONAL PLANS (NAD 1983)

US State Plane 1983 Map System: North American Datum 1983 Geo Datum:

Map Zone: New Mexico Eastern Zone System Datum: Mean Sea Level

Using geodetic scale factor

Site Dr Awkward 17_8 Federal Com

Site Position: Northing: 504,334.74 usft Latitude: 32.384846 From: Мар Easting: 739,795.94 usft Longitude: -103.690426

Position Uncertainty: 49.91 ft Slot Radius: 13.200 in

Well Dr Pi Fed Unit 17_8 DA 11H

Well Position +N/-S 0.00 ft Northing: 504.478.70 usf Latitude: 32.385290 736,805.86 usf +E/-W 0.00 ft Easting: Longitude: -103.700109

Position Uncertainty 2.00 ft Wellhead Elevation: ft **Ground Level:** 3,692.00 ft

Grid Convergence: 0.34°

Wellbore #1 Wellbore

Model Name Declination Magnetics Sample Date Dip Angle Field Strength (°) (nT) HDGM FILE 6.35 59.98 47,616.60000000 9/25/2023

Design Permitting Plan

Audit Notes:

Version: Phase: **PROTOTYPE** Tie On Depth: 0.00

Vertical Section: Depth From (TVD) +N/-S +E/-W Direction (ft) (ft) (ft) (°) 0.00 0.00 0.00 357.26

Date 9/26/2023 **Plan Survey Tool Program**

Depth From Depth To

(ft) (ft) Remarks Survey (Wellbore) **Tool Name**

0.00 20,164.32 Permitting Plan (Wellbore #1) B005Mc_MWD+HRGM+SA

ISCWSA MWD + HRGM +

Plan Sections Measured Vertical Dogleg Build Turn Depth Depth +N/-S Inclination Azimuth +E/-W Rate Rate Rate **TFO** (ft) (ft) (°/100ft) (°/100ft) (°/100ft) (ft) (°) (°) (ft) (°) **Target** 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 3,105.00 0.00 0.00 3,105.00 0.00 0.00 0.00 0.00 0.00 0.00 4,105.45 10.00 203.92 4,100.37 -79.64 -35.33 1.00 1.00 0.00 203.92 8,733.54 10.00 203.92 8,658.09 -814.57 -361.39 0.00 0.00 0.00 0.00 90.00 359.60 9,320.00 -249.19 -413.48 10.00 155.34 FTP (Dr Pi Fed Unit 9,724.62 8 07 15 71 20,164.39 90.00 359.60 9,320.00 10,190.32 -487.10 0.00 0.00 0.00 0.00 PBHL (Dr Pi Fed

Planning Report

Database: Company: HOPSPP

ENGINEERING DESIGNS

Project: PRD NM DIRECTIONAL PLANS (NAD 1983)

Site: Dr Awkward 17_8 Federal Com Well: Dr Pi Fed Unit 17_8 DA 11H

Wellbore: Wellbore #1

Design: Permitting Plan

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well Dr Pi Fed Unit 17_8 DA 11H

RKB=25' @ 3717.00ft RKB=25' @ 3717.00ft

Grid

| anned Survey | | | | | | | | | |
|---------------------------|-----------------|----------------|---------------------------|---------------|---------------|-----------------------------|-----------------------------|----------------------------|---------------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 300.00 | 0.00 | 0.00 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 400.00 | 0.00 | 0.00 | 400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | |
| 500.00 | 0.00 | 0.00 | 500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 600.00 | 0.00 | 0.00 | 600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 700.00 | 0.00 | 0.00 | 700.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 800.00 | 0.00 | 0.00 | 800.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 900.00 | 0.00 | 0.00 | 900.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4 000 00 | 0.00 | 0.00 | 4 000 00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,000.00 | 0.00 | 0.00 | 1,000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,100.00 | 0.00 | 0.00 | 1,100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,200.00 | 0.00 | 0.00 | 1,200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,300.00 | 0.00 | 0.00 | 1,300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,400.00 | 0.00 | 0.00 | 1,400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,500.00 | 0.00 | 0.00 | 1,500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,600.00 | 0.00 | 0.00 | 1,600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | |
| 1,700.00 | 0.00 | 0.00 | 1,700.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 0.00 | 0.00 | 1,800.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 0.00 | 0.00 | 1,900.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 0.00 | 0.00 | 2.000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 0.00 | 0.00 | 2,100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 0.00 | | 2,200.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 |
| , | | 0.00 | , | | | 0.00 | | | |
| 2,300.00 | 0.00 | 0.00 | 2,300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 0.00 | 0.00 | 2,400.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 0.00 | 0.00 | 2,500.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,600.00 | 0.00 | 0.00 | 2,600.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 0.00 | 0.00 | 2,700.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 0.00 | 0.00 | 2,800.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 0.00 | | 2,900.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 0.00 | 0.00 | 2,900.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,000.00 | 0.00 | 0.00 | 3,000.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 0.00 | 0.00 | 3,100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,105.00 | 0.00 | 0.00 | 3.105.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 0.95 | 203.92 | 3,200.00 | -0.72 | -0.32 | -0.70 | 1.00 | 1.00 | 0.00 |
| 3,300.00 | 1.95 | 203.92 | 3,299.96 | -3.03 | -1.35 | -2.97 | 1.00 | 1.00 | 0.00 |
| | | | | | | | | | |
| 3,400.00 | 2.95 | 203.92 | 3,399.87 | -6.94 | -3.08 | -6.79 | 1.00 | 1.00 | 0.00 |
| 3,500.00 | 3.95 | 203.92 | 3,499.69 | -12.44 | -5.52 | -12.16 | 1.00 | 1.00 | 0.00 |
| 3,600.00 | 4.95 | 203.92 | 3,599.38 | -19.53 | -8.67 | -19.10 | 1.00 | 1.00 | 0.00 |
| 3,700.00 | 5.95 | 203.92 | 3,698.93 | -28.21 | -12.52 | -27.58 | 1.00 | 1.00 | 0.00 |
| 3,800.00 | 6.95 | 203.92 | 3,798.30 | -38.48 | -17.07 | -37.62 | 1.00 | 1.00 | 0.00 |
| , | | | * | | | | | | |
| 3,900.00 | 7.95 | 203.92 | 3,897.45 | -50.33 | -22.33 | -49.21 | 1.00 | 1.00 | 0.00 |
| 4,000.00 | 8.95 | 203.92 | 3,996.36 | -63.77 | -28.29 | -62.34 | 1.00 | 1.00 | 0.00 |
| 4,100.00 | 9.95 | 203.92 | 4,095.01 | -78.77 | -34.95 | -77.02 | 1.00 | 1.00 | 0.00 |
| 4,105.45 | 10.00 | 203.92 | 4,100.37 | -79.64 | -35.33 | -77.86 | 1.00 | 1.00 | 0.00 |
| 4,200.00 | 10.00 | 203.92 | 4,193.49 | -94.65 | -41.99 | -92.54 | 0.00 | 0.00 | 0.00 |
| 4.300.00 | 10.00 | 202.02 | 4.291.97 | 110 50 | | | 0.00 | 0.00 | 0.00 |
| | 10.00 | 203.92 | , | -110.53 | -49.04 | -108.06 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 10.00 | 203.92 | 4,390.45 | -126.41 | -56.08 | -123.59 | 0.00 | 0.00 | 0.00 |
| 4,500.00 | 10.00 | 203.92 | 4,488.92 | -142.29 | -63.13 | -139.12 | 0.00 | 0.00 | 0.00 |
| 4,600.00 | 10.00 | 203.92 | 4,587.40 | -158.17 | -70.17 | -154.64 | 0.00 | 0.00 | 0.00 |
| 4,700.00 | 10.00 | 203.92 | 4,685.88 | -174.05 | -77.22 | -170.17 | 0.00 | 0.00 | 0.00 |
| 4.800.00 | 10.00 | 203.92 | 4.784.36 | -189.93 | -84.26 | -185.69 | 0.00 | 0.00 | 0.00 |
| 4,900.00 | 10.00 | 203.92 | 4,882.84 | -205.81 | -91.31 | -201.22 | 0.00 | 0.00 | 0.00 |
| 5,000.00 | | | 4,981.32 | | | -201.22 -216.74 | | | |
| | 10.00 | 203.92 | | -221.69 | -98.35 | | 0.00 | 0.00 | 0.00 |
| 5,100.00 | 10.00 | 203.92 | 5,079.80 | -237.57 | -105.40 | -232.27 | 0.00 | 0.00 | 0.00 |
| 5,200.00 | 10.00 | 203.92 | 5,178.28 | -253.45 | -112.44 | -247.79 | 0.00 | 0.00 | 0.00 |

Planning Report

Database: Company: Project: HOPSPP

ENGINEERING DESIGNS

PRD NM DIRECTIONAL PLANS (NAD 1983)

Site: Dr Awkward 17_8 Federal Com Well: Dr Pi Fed Unit 17_8 DA 11H

Wellbore: Wellbore #1

Design: Permitting Plan

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Dr Pi Fed Unit 17_8 DA 11H

RKB=25' @ 3717.00ft RKB=25' @ 3717.00ft

Grid

| Design: | Permitting Pla | an | | | | | | | |
|---------------------------|--------------------|------------------|---------------------------|--------------------|--------------------|-----------------------------|-----------------------------|----------------------------|---------------------------|
| Planned Survey | | | | | | | | | |
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 5,300.00 | 10.00 | 203.92 | 5,276.76 | -269.33 | -119.49 | -263.32 | 0.00 | 0.00 | 0.00 |
| 5,400.00 | 10.00 | 203.92 | 5,375.24 | -285.21 | -126.53 | -278.84 | 0.00 | 0.00 | 0.00 |
| 5,500.00 5,600.00 | 10.00 10.00 | 203.92 203.92 | 5,473.72 5,572.20 | -301.09 -316.97 | -133.58 -140.62 | -294.37 -309.89 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| 5,700.00 | 10.00 | 203.92 | 5,670.68 | -332.85 | -147.67 | -325.42 | 0.00 | 0.00 | 0.00 |
| 5,800.00 | 10.00 | 203.92 | 5,769.16 | -348.73 | -154.72 | -340.95 | 0.00 | 0.00 | 0.00 |
| 5,900.00 | 10.00 | 203.92 | 5,867.64 | -364.61 | -161.76 | -356.47 | 0.00 | 0.00 | 0.00 |
| 6,000.00 | 10.00 | 203.92 | 5,966.12 | -380.49 | -168.81 | -372.00 | 0.00 | 0.00 | 0.00 |
| 6,100.00 | 10.00 | 203.92 | 6,064.60 | -396.37 | -175.85 | -387.52 | 0.00 | 0.00 | 0.00 |
| 6,200.00 | 10.00 | 203.92 | 6,163.07 | -412.25 | -182.90 | -403.05 | 0.00 | 0.00 | 0.00 |
| 6,300.00 | 10.00 | 203.92 | 6,261.55 | -428.13 | -189.94 | -418.57 | 0.00 | 0.00 | 0.00 |
| 6,400.00 | 10.00 | 203.92 | 6,360.03 | -444.01 | -196.99 | -434.10 | 0.00 | 0.00 | 0.00 |
| 6,500.00 | 10.00 | 203.92 | 6,458.51 | -459.89 | -204.03 | -449.62 | 0.00 | 0.00 | 0.00 |
| 6,600.00 | 10.00 | 203.92 | 6,556.99 | -475.77 | -211.08 | -465.15 | 0.00 | 0.00 | 0.00 |
| 6,700.00 | 10.00 | 203.92 | 6,655.47 | -491.65 | -218.12 | -480.67 | 0.00 | 0.00 | 0.00 |
| 6,800.00 | 10.00 | 203.92 | 6,753.95 | -507.53 | -225.17 | -496.20 | 0.00 | 0.00 | 0.00 |
| 6,900.00 | 10.00 | 203.92 | 6,852.43 | -523.41 | -232.21 | -511.73 | 0.00 | 0.00 | 0.00 |
| 7,000.00 | 10.00 | 203.92 | 6,950.91 | -539.29 | -239.26 | -527.25 | 0.00 | 0.00 | 0.00 |
| 7,100.00 | 10.00 10.00 | 203.92 | 7,049.39 | -555.17 | -246.30 | -542.78 -558.30 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| 7,200.00 | | 203.92 | 7,147.87 | -571.05 | -253.35 | | | | |
| 7,300.00 | 10.00 | 203.92 | 7,246.35 | -586.93 | -260.39 | -573.83 | 0.00 | 0.00 | 0.00 |
| 7,400.00 | 10.00 | 203.92 | 7,344.83 | -602.81 | -267.44 | -589.35 | 0.00 | 0.00 | 0.00 |
| 7,500.00 7,600.00 | 10.00 10.00 | 203.92 203.92 | 7,443.31 7,541.79 | -618.69 -634.57 | -274.48 -281.53 | -604.88 -620.40 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| 7,700.00 | 10.00 | 203.92 | 7,640.27 | -650.45 | -288.57 | -635.93 | 0.00 | 0.00 | 0.00 |
| | 10.00 | 203.92 | 7,738.75 | | -295.62 | -651.45 | 0.00 | | 0.00 |
| 7,800.00 7,900.00 | 10.00 | 203.92 | 7,736.73 | -666.33 -682.21 | -302.66 | -651.45 -666.98 | 0.00 | 0.00 0.00 | 0.00 |
| 8,000.00 | 10.00 | 203.92 | 7,935.70 | -698.09 | -302.00 | -682.50 | 0.00 | 0.00 | 0.00 |
| 8,100.00 | 10.00 | 203.92 | 8,034.18 | -713.97 | -316.75 | -698.03 | 0.00 | 0.00 | 0.00 |
| 8,200.00 | 10.00 | 203.92 | 8,132.66 | -729.85 | -323.80 | -713.56 | 0.00 | 0.00 | 0.00 |
| 8,300.00 | 10.00 | 203.92 | 8,231.14 | -745.73 | -330.84 | -729.08 | 0.00 | 0.00 | 0.00 |
| 8,400.00 | 10.00 | 203.92 | 8,329.62 | -761.61 | -337.89 | -744.61 | 0.00 | 0.00 | 0.00 |
| 8,500.00 | 10.00 | 203.92 | 8,428.10 | -777.49 | -344.93 | -760.13 | 0.00 | 0.00 | 0.00 |
| 8,600.00 | 10.00 | 203.92 | 8,526.58 | -793.37 | -351.98 | -775.66 | 0.00 | 0.00 | 0.00 |
| 8,700.00 | 10.00 | 203.92 | 8,625.06 | -809.25 | -359.02 | -791.18 | 0.00 | 0.00 | 0.00 |
| 8,733.54 | 10.00 | 203.92 | 8,658.09 | -814.57 | -361.39 | -796.39 | 0.00 | 0.00 | 0.00 |
| 8,800.00 | 4.83 | 238.92 | 8,724.00 | -821.30 | -366.13 | -802.88 | 10.00 | -7.79 | 52.65 |
| 8,900.00 | 8.60 | 330.88 | 8,823.51 | -816.93 | -373.39 | -798.17 | 10.00 | 3.77 | 91.96 |
| 9,000.00 9,100.00 | 18.01 27.83 | 346.68 351.68 | 8,920.75 9,012.75 | -795.30 -757.07 | -380.61 -387.57 | -776.22 -737.70 | 10.00 10.00 | 9.41 9.82 | 15.79 5.00 |
| | | | | | | | | | |
| 9,200.00 | 37.73 | 354.21 | 9,096.73 | -703.39 | -394.05 | -683.78 | 10.00 | 9.91 | 2.53 |
| 9,300.00 9,400.00 | 47.68 57.63 | 355.80 356.96 | 9,170.12 9,230.71 | -635.91 -556.67 | -399.86 -404.82 | -616.10 -536.71 | 10.00 10.00 | 9.94 9.96 | 1.59 1.15 |
| 9,400.00 | 67.60 | 350.96 357.88 | 9,230.71 | -556.67 -468.08 | -404.82 -408.79 | -536.71 -448.03 | 10.00 | 9.96 9.97 | 0.92 |
| 9,600.00 | 77.57 | 358.68 | 9,306.54 | -372.82 | -411.63 | -352.75 | 10.00 | 9.97 | 0.80 |
| 9,700.00 | 87.54 | 359.42 | 9,319.47 | -273.80 | -413.27 | -253.76 | 10.00 | 9.97 | 0.74 |
| 9,724.62 | 90.00 | 359.60 | 9,320.00 | -249.19 | -413.48 | -233.70 | 10.00 | 9.97 | 0.74 |
| 9,800.00 | 90.00 | 359.60 | 9,320.00 | -173.82 | -414.01 | -153.85 | 0.00 | 0.00 | 0.00 |
| 9,900.00 | 90.00 | 359.60 | 9,320.00 | -73.82 | -414.72 | -53.93 | 0.00 | 0.00 | 0.00 |
| 10,000.00 | 90.00 | 359.60 | 9,320.00 | 26.18 | -415.42 | 45.98 | 0.00 | 0.00 | 0.00 |
| 10,100.00 | 90.00 | 359.60 | 9,320.00 | 126.18 | -416.13 | 145.90 | 0.00 | 0.00 | 0.00 |
| 10,200.00 | 90.00 | 359.60 | 9,320.00 | 226.17 | -416.83 | 245.82 | 0.00 | 0.00 | 0.00 |
| 10,300.00 | 90.00 | 359.60 | 9,320.00 | 326.17 | -417.54 | 345.74 | 0.00 | 0.00 | 0.00 |
| 10,400.00 | 90.00 | 359.60 | 9,320.00 | 426.17 | -418.24 | 445.65 | 0.00 | 0.00 | 0.00 |
| 10,500.00 | 90.00 | 359.60 | 9,320.00 | 526.17 | -418.95 | 545.57 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | |

Planning Report

Database: Company: HOPSPP

ENGINEERING DESIGNS

Project: PRD NM DIRECTIONAL PLANS (NAD 1983)

Site: Dr Awkward 17_8 Federal Com Well: Dr Pi Fed Unit 17_8 DA 11H

Wellbore: Wellbore #1

Design: Permitting Plan

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well Dr Pi Fed Unit 17_8 DA 11H

RKB=25' @ 3717.00ft RKB=25' @ 3717.00ft

Grid

| Design: | Permitting Pla | an | | | | | | | |
|---------------------------|-----------------|------------------|---------------------------|----------------------|--------------------|-----------------------------|-----------------------------|----------------------------|---------------------------|
| Planned Survey | | | | | | | | | |
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 10,600.00 | 90.00 | 359.60 | 9,320.00 | 626.16 | -419.65 | 645.49 | 0.00 | 0.00 | 0.00 |
| 10,700.00 10,800.00 | 90.00 90.00 | 359.60 359.60 | 9,320.00 9,320.00 | 726.16 826.16 | -420.36 -421.06 | 745.40 845.32 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| 10,900.00 | 90.00 | 359.60 | 9,320.00 | 926.16 | -421.00 -421.77 | 945.24 | 0.00 | 0.00 | 0.00 |
| 11,000.00 | 90.00 | 359.60 | 9,320.00 | 1,026.15 | -422.47 | 1,045.16 | 0.00 | 0.00 | 0.00 |
| 11,100.00 | 90.00 | 359.60 | 9,320.00 | 1,126.15 | -423.18 | 1,145.07 | 0.00 | 0.00 | 0.00 |
| 11,200.00 | 90.00 | 359.60 | 9,320.00 | 1,226.15 | -423.89 | 1,244.99 | 0.00 | 0.00 | 0.00 |
| 11,300.00 | 90.00 | 359.60 | 9,320.00 | 1,326.15 | -424.59 | 1,344.91 | 0.00 | 0.00 | 0.00 |
| 11,400.00 11,500.00 | 90.00 90.00 | 359.60 359.60 | 9,320.00 9,320.00 | 1,426.14 1,526.14 | -425.30 -426.00 | 1,444.82 1,544.74 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| | | | | | | | | | |
| 11,600.00 11,700.00 | 90.00 90.00 | 359.60 359.60 | 9,320.00 9,320.00 | 1,626.14 1,726.14 | -426.71 -427.41 | 1,644.66 1,744.58 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| 11,800.00 | 90.00 | 359.60 | 9,320.00 | 1,726.14 | -427.41 -428.12 | 1,744.36 | 0.00 | 0.00 | 0.00 |
| 11,900.00 | 90.00 | 359.60 | 9,320.00 | 1,926.13 | -428.82 | 1,944.41 | 0.00 | 0.00 | 0.00 |
| 12,000.00 | 90.00 | 359.60 | 9,320.00 | 2,026.13 | -429.53 | 2,044.33 | 0.00 | 0.00 | 0.00 |
| 12,100.00 | 90.00 | 359.60 | 9,320.00 | 2,126.13 | -430.23 | 2,144.24 | 0.00 | 0.00 | 0.00 |
| 12,200.00 | 90.00 | 359.60 | 9,320.00 | 2,226.13 | -430.94 | 2,244.16 | 0.00 | 0.00 | 0.00 |
| 12,300.00 | 90.00 | 359.60 | 9,320.00 | 2,326.12 | -431.64 | 2,344.08 | 0.00 | 0.00 | 0.00 |
| 12,400.00 | 90.00 | 359.60 | 9,320.00 | 2,426.12 | -432.35 | 2,444.00 | 0.00 | 0.00 | 0.00 |
| 12,500.00 | 90.00 | 359.60 | 9,320.00 | 2,526.12 | -433.05 | 2,543.91 | 0.00 | 0.00 | 0.00 |
| 12,600.00 | 90.00 | 359.60 | 9,320.00 | 2,626.12 | -433.76 | 2,643.83 | 0.00 | 0.00 | 0.00 |
| 12,700.00 | 90.00 | 359.60 | 9,320.00 | 2,726.11 | -434.46 | 2,743.75 | 0.00 | 0.00 0.00 | 0.00 |
| 12,800.00 12,900.00 | 90.00 90.00 | 359.60 359.60 | 9,320.00 9,320.00 | 2,826.11 2,926.11 | -435.17 -435.87 | 2,843.66 2,943.58 | 0.00 0.00 | 0.00 | 0.00 0.00 |
| 13,000.00 | 90.00 | 359.60 | 9,320.00 | 3,026.11 | -436.58 | 3,043.50 | 0.00 | 0.00 | 0.00 |
| 13,100.00 | 90.00 | 359.60 | 9,320.00 | 3,126.10 | -437.28 | 3,143.42 | 0.00 | 0.00 | 0.00 |
| 13,200.00 | 90.00 | 359.60 | 9,320.00 | 3,226.10 | -437.99 | 3,243.33 | 0.00 | 0.00 | 0.00 |
| 13,300.00 | 90.00 | 359.60 | 9,320.00 | 3,326.10 | -438.69 | 3,343.25 | 0.00 | 0.00 | 0.00 |
| 13,400.00 | 90.00 | 359.60 | 9,320.00 | 3,426.10 | -439.40 | 3,443.17 | 0.00 | 0.00 | 0.00 |
| 13,500.00 | 90.00 | 359.60 | 9,320.00 | 3,526.09 | -440.11 | 3,543.08 | 0.00 | 0.00 | 0.00 |
| 13,600.00 | 90.00 | 359.60 | 9,320.00 | 3,626.09 | -440.81 | 3,643.00 | 0.00 | 0.00 | 0.00 |
| 13,700.00 | 90.00 | 359.60 | 9,320.00 | 3,726.09 | -441.52 | 3,742.92 | 0.00 | 0.00 | 0.00 |
| 13,800.00 | 90.00 | 359.60 | 9,320.00 | 3,826.09 | -442.22 | 3,842.84 | 0.00 | 0.00 | 0.00 |
| 13,900.00 14,000.00 | 90.00 90.00 | 359.60 359.60 | 9,320.00 9,320.00 | 3,926.08 4,026.08 | -442.93 -443.63 | 3,942.75 4,042.67 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| | | | | 4,020.08 | | | | | |
| 14,100.00 14,200.00 | 90.00 90.00 | 359.60 359.60 | 9,320.00 9,320.00 | 4,126.08 4,226.08 | -444.34 -445.04 | 4,142.59 4,242.50 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| 14,300.00 | 90.00 | 359.60 | 9,320.00 | 4,326.07 | -445.75 | 4,242.30 | 0.00 | 0.00 | 0.00 |
| 14,400.00 | 90.00 | 359.60 | 9,320.00 | 4,426.07 | -446.45 | 4,442.34 | 0.00 | 0.00 | 0.00 |
| 14,500.00 | 90.00 | 359.60 | 9,320.00 | 4,526.07 | -447.16 | 4,542.26 | 0.00 | 0.00 | 0.00 |
| 14,600.00 | 90.00 | 359.60 | 9,320.00 | 4,626.07 | -447.86 | 4,642.17 | 0.00 | 0.00 | 0.00 |
| 14,700.00 | 90.00 | 359.60 | 9,320.00 | 4,726.06 | -448.57 | 4,742.09 | 0.00 | 0.00 | 0.00 |
| 14,800.00 | 90.00 | 359.60 | 9,320.00 | 4,826.06 | -449.27 | 4,842.01 | 0.00 | 0.00 | 0.00 |
| 14,900.00 | 90.00 | 359.60 | 9,320.00 | 4,926.06 | -449.98 | 4,941.92 | 0.00 | 0.00 | 0.00 |
| 15,000.00 | 90.00 | 359.60 | 9,320.00 | 5,026.06 | -450.68 | 5,041.84 | 0.00 | 0.00 | 0.00 |
| 15,100.00 15,200.00 | 90.00 90.00 | 359.60 359.60 | 9,320.00 9,320.00 | 5,126.05 5,226.05 | -451.39 -452.09 | 5,141.76 5,241.68 | 0.00 0.00 | 0.00 0.00 | 0.00 0.00 |
| 15,300.00 | 90.00 | 359.60 | 9,320.00 | 5,326.05 | -452.80 | 5,341.59 | 0.00 | 0.00 | 0.00 |
| 15,400.00 | 90.00 | 359.60 | 9,320.00 | 5,426.05 | -453.50 | 5,441.51 | 0.00 | 0.00 | 0.00 |
| 15,500.00 | 90.00 | 359.60 | 9,320.00 | 5,526.04 | -454.21 | 5,541.43 | 0.00 | 0.00 | 0.00 |
| 15,600.00 | 90.00 | 359.60 | 9,320.00 | 5,626.04 | -454.91 | 5,641.34 | 0.00 | 0.00 | 0.00 |
| 15,700.00 | 90.00 | 359.60 | 9,320.00 | 5,726.04 | -455.62 | 5,741.26 | 0.00 | 0.00 | 0.00 |
| 15,800.00 | 90.00 | 359.60 | 9,320.00 | 5,826.04 | -456.33 | 5,841.18 | 0.00 | 0.00 | 0.00 |
| 15,900.00 | 90.00 | 359.60 | 9,320.00 | 5,926.03 | -457.03 | 5,941.10 | 0.00 | 0.00 | 0.00 |
| 16,000.00 | 90.00 | 359.60 | 9,320.00 | 6,026.03 | -457.74 | 6,041.01 | 0.00 | 0.00 | 0.00 |

Planning Report

Database: Company: HOPSPP

ENGINEERING DESIGNS

Project: PRD NM DIRECTIONAL PLANS (NAD 1983)

Site: Dr Awkward 17_8 Federal Com
Well: Dr Pi Fed Unit 17_8 DA 11H

Wellbore: Wellbore #1

Design: Permitting Plan

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Dr Pi Fed Unit 17_8 DA 11H

RKB=25' @ 3717.00ft RKB=25' @ 3717.00ft

Grid

| Design: | Permitting Pla | an | | | | | | | |
|---------------------------|--------------------|----------------|---------------------------|---------------|--------------------|-----------------------------|-----------------------------|----------------------------|---------------------------|
| Planned Survey | | | | | | | | | |
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 16,100.00 | 90.00 | 359.60 | 9,320.00 | 6,126.03 | -458.44 | 6,140.93 | 0.00 | 0.00 | 0.00 |
| 16,200.00 | 90.00 | 359.60 | 9,320.00 | 6,226.03 | -459.15 | 6,240.85 | 0.00 | 0.00 | 0.00 |
| 16,300.00 | 90.00 | 359.60 | 9,320.00 | 6,326.02 | -459.85 | 6,340.76 | 0.00 | 0.00 | 0.00 |
| 16,400.00 | 90.00 | 359.60 | 9,320.00 | 6,426.02 | -460.56 | 6,440.68 | 0.00 | 0.00 | 0.00 |
| 16,500.00 | 90.00 | 359.60 | 9,320.00 | 6,526.02 | -461.26 | 6,540.60 | 0.00 | 0.00 | 0.00 |
| 16,600.00 | 90.00 | 359.60 | 9,320.00 | 6,626.02 | -461.97 | 6,640.52 | 0.00 | 0.00 | 0.00 |
| 16,700.00 | 90.00 | 359.60 | 9,320.00 | 6,726.01 | -462.67 | 6,740.43 | 0.00 | 0.00 | 0.00 |
| 16,800.00 | 90.00 | 359.60 | 9,320.00 | 6,826.01 | -463.38 | 6,840.35 | 0.00 | 0.00 | 0.00 |
| 16,900.00 | 90.00 | 359.60 | 9,320.00 | 6,926.01 | -464.08 | 6,940.27 | 0.00 | 0.00 | 0.00 |
| 17,000.00 | 90.00 | 359.60 | 9,320.00 | 7,026.01 | -464.79 | 7,040.18 | 0.00 | 0.00 | 0.00 |
| • | | | * | , | | 7,040.10 | | | |
| 17,100.00 | 90.00 | 359.60 | 9,320.00 | 7,126.00 | -465.49 | 7,140.10 | 0.00 | 0.00 | 0.00 |
| 17,200.00 | 90.00 | 359.60 | 9,320.00 | 7,226.00 | -466.20 | 7,240.02 | 0.00 | 0.00 | 0.00 |
| 17,300.00 | 90.00 | 359.60 | 9,320.00 | 7,326.00 | -466.90 | 7,339.94 | 0.00 | 0.00 | 0.00 |
| 17,400.00 | 90.00 | 359.60 | 9,320.00 | 7,426.00 | -467.61 | 7,439.85 | 0.00 | 0.00 | 0.00 |
| 17,500.00 | 90.00 | 359.60 | 9,320.00 | 7,525.99 | -468.31 | 7,539.77 | 0.00 | 0.00 | 0.00 |
| 17,600.00 | 90.00 | 359.60 | 9,320.00 | 7,625.99 | -469.02 | 7,639.69 | 0.00 | 0.00 | 0.00 |
| 17,700.00 | 90.00 | 359.60 | 9,320.00 | 7,725.99 | -469.72 | 7,739.60 | 0.00 | 0.00 | 0.00 |
| 17,800.00 | 90.00 | 359.60 | 9,320.00 | 7,825.99 | -470.43 | 7,839.52 | 0.00 | 0.00 | 0.00 |
| 17,900.00 | 90.00 | 359.60 | 9,320.00 | 7,825.99 | -470.43 -471.13 | 7,039.32 | 0.00 | 0.00 | 0.00 |
| 18,000.00 | 90.00 | 359.60 | 9,320.00 | 8,025.98 | -471.13 -471.84 | 8,039.36 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | |
| 18,100.00 | 90.00 | 359.60 | 9,320.00 | 8,125.98 | -472.55 | 8,139.27 | 0.00 | 0.00 | 0.00 |
| 18,200.00 | 90.00 | 359.60 | 9,320.00 | 8,225.98 | -473.25 | 8,239.19 | 0.00 | 0.00 | 0.00 |
| 18,300.00 | 90.00 | 359.60 | 9,320.00 | 8,325.97 | -473.96 | 8,339.11 | 0.00 | 0.00 | 0.00 |
| 18,400.00 | 90.00 | 359.60 | 9,320.00 | 8,425.97 | -474.66 | 8,439.02 | 0.00 | 0.00 | 0.00 |
| 18,500.00 | 90.00 | 359.60 | 9,320.00 | 8,525.97 | -475.37 | 8,538.94 | 0.00 | 0.00 | 0.00 |
| 18,600.00 | 90.00 | 359.60 | 9,320.00 | 8,625.97 | -476.07 | 8,638.86 | 0.00 | 0.00 | 0.00 |
| 18,700.00 | 90.00 | 359.60 | 9,320.00 | 8,725.96 | -476.78 | 8,738.78 | 0.00 | 0.00 | 0.00 |
| 18,800.00 | 90.00 | 359.60 | 9,320.00 | 8,825.96 | -477.48 | 8,838.69 | 0.00 | 0.00 | 0.00 |
| 18,900.00 | 90.00 | 359.60 | 9,320.00 | 8,925.96 | -478.19 | 8,938.61 | 0.00 | 0.00 | 0.00 |
| 19,000.00 | 90.00 | 359.60 | 9,320.00 | 9,025.96 | -478.89 | 9,038.53 | 0.00 | 0.00 | 0.00 |
| | 90.00 | 359.60 | | 9.125.95 | -479.60 | 9.138.44 | 0.00 | 0.00 | 0.00 |
| 19,100.00 | | | 9,320.00 | -, | | -, | | | |
| 19,200.00 | 90.00 | 359.60 | 9,320.00 | 9,225.95 | -480.30 | 9,238.36 | 0.00 | 0.00 | 0.00 |
| 19,300.00 | 90.00 | 359.60 | 9,320.00 | 9,325.95 | -481.01 | 9,338.28 | 0.00 | 0.00 | 0.00 |
| 19,400.00 | 90.00 | 359.60 | 9,320.00 | 9,425.95 | -481.71 | 9,438.20 | 0.00 | 0.00 | 0.00 |
| 19,500.00 | 90.00 | 359.60 | 9,320.00 | 9,525.94 | -482.42 | 9,538.11 | 0.00 | 0.00 | 0.00 |
| 19,600.00 | 90.00 | 359.60 | 9,320.00 | 9,625.94 | -483.12 | 9,638.03 | 0.00 | 0.00 | 0.00 |
| 19,700.00 | 90.00 | 359.60 | 9,320.00 | 9,725.94 | -483.83 | 9,737.95 | 0.00 | 0.00 | 0.00 |
| 19,800.00 | 90.00 | 359.60 | 9,320.00 | 9,825.94 | -484.53 | 9,837.86 | 0.00 | 0.00 | 0.00 |
| 19,900.00 | 90.00 | 359.60 | 9,320.00 | 9,925.93 | -485.24 | 9,937.78 | 0.00 | 0.00 | 0.00 |
| 20,000.00 | 90.00 | 359.60 | 9,320.00 | 10,025.93 | -485.94 | 10,037.70 | 0.00 | 0.00 | 0.00 |
| 20,100.00 | 90.00 | 359.60 | 9,320.00 | 10,125.93 | -486.65 | 10,137.62 | 0.00 | 0.00 | 0.00 |
| 20,164.39 | 90.00 | 359.60 | 9,320.00 | 10,123.93 | -487.10 | 10,137.02 | 0.00 | 0.00 | 0.00 |
| 20,104.39 | 90.00 | 339.00 | 9,520.00 | 10,130.32 | -407.10 | 10,201.90 | 0.00 | 0.00 | 0.00 |
| | | | | | | | | | |

Planning Report

Database: HOPSPP

Company: ENGINEERING DESIGNS

Project: PRD NM DIRECTIONAL PLANS (NAD 1983)

Site: Dr Awkward 17_8 Federal Com Well: Dr Pi Fed Unit 17_8 DA 11H

Wellbore: Wellbore #1

Design: Permitting Plan

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well Dr Pi Fed Unit 17_8 DA 11H

RKB=25' @ 3717.00ft RKB=25' @ 3717.00ft

Grid

| Design Targets | | | | | | | | | |
|----------------------------------------------------------|----------------------|----------------------|------------------------|-------------------------|--------------------------|--------------------------|-------------------|-----------|-------------|
| Target Name - hit/miss target - Shape | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
| KOP (Dr Pi Fed Unit - plan misses target - Point | 0.00 center by 51 | 0.00 6.35ft at 86 | 8,686.68 83.50ft MD | -299.18 (8608.81 TVD | -413.14), -806.63 N, | 504,179.53 -357.86 E) | 736,392.74 | 32.384475 | -103.701453 |
| FTP (Dr Pi Fed Unit - plan hits target cer - Point | 0.00 nter | 0.00 | 9,320.00 | -249.19 | -413.48 | 504,229.52 | 736,392.40 | 32.384612 | -103.701454 |
| PBHL (Dr Pi Fed Unit - plan hits target cer - Point | 0.00 nter | 0.00 | 9,320.00 | 10,190.32 | -487.10 | 514,668.52 | 736,318.78 | 32.413307 | -103.701492 |

| Formations | | | | | | | |
|------------|---------------------------|---------------------------|---------------|-----------|------------|-------------------------|--|
| | Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| | 898.00 | 898.00 | RUSTLER | | | | |
| | 1,196.00 | 1,196.00 | SALADO | | | | |
| | 2,824.00 | 2,824.00 | CASTILE | | | | |
| | 4,785.42 | 4,770.00 | DELAWARE | | | | |
| | 4,847.36 | 4,831.00 | BELL CANYON | | | | |
| | 5,709.47 | 5,680.00 | CHERRY CANYON | | | | |
| | 6,925.96 | 6,878.00 | BRUSHY CANYON | | | | |
| | 8,693.85 | 8,619.00 | BONE SPRING | | | | |

| Plan Annota | tions | | | | |
|-------------|---------------|---------------|---------------|---------------|---------------------|
| | Measured | Vertical | Local Coor | dinates | |
| | Depth (ft) | Depth (ft) | +N/-S (ft) | +E/-W (ft) | Comment |
| | 3,105.00 | 3,105.00 | 0.00 | 0.00 | Build 1°/100' |
| | 4,105.45 | 4,100.37 | -79.64 | -35.33 | Hold 10° Tangent |
| | 8,733.54 | 8,658.09 | -814.57 | -361.39 | KOP, Build 10°/100' |
| | 9,724.62 | 9,320.00 | -249.19 | -413.48 | Landing Point |
| | 20,164.39 | 9,320.00 | 10,190.32 | -487.10 | TD at 20164.39' MD |

Oxy USA Inc. - Dr Pi Fed Unit 17_8 DA 11H Drill Plan

1. Geologic Formations

| TVD of Target (ft): | 9320 | Pilot Hole Depth (ft): | |
|----------------------------|-------|------------------------------------|-----|
| Total Measured Depth (ft): | 20164 | Deepest Expected Fresh Water (ft): | 898 |

Delaware Basin

| Formation | MD-RKB (ft) | TVD-RKB (ft) | Expected Fluids |
|-----------------|-------------|--------------|------------------------|
| Rustler | 898 | 898 | |
| Salado | 1196 | 1196 | Salt |
| Castile | 2824 | 2824 | Salt |
| Delaware | 4785 | 4770 | Oil/Gas/Brine |
| Bell Canyon | 4847 | 4831 | Oil/Gas/Brine |
| Cherry Canyon | 5709 | 5680 | Oil/Gas/Brine |
| Brushy Canyon | 6926 | 6878 | Losses |
| Bone Spring | 8694 | 8619 | Oil/Gas |
| Bone Spring 1st | | | Oil/Gas |
| Bone Spring 2nd | | | Oil/Gas |
| Bone Spring 3rd | | | Oil/Gas |
| Wolfcamp | | | Oil/Gas |
| Penn | | | Oil/Gas |
| Strawn | | | Oil/Gas |

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

2. Casing Program

| | | MD | | TVD | | | | | |
|--------------|-----------|------|-------|------|------|---------|---------|-------|-----------|
| | Hole | From | То | From | То | Csg. | Csg Wt. | | |
| Section | Size (in) | (ft) | (ft) | (ft) | (ft) | OD (in) | (ppf) | Grade | Conn. |
| Surface | 17.5 | 0 | 958 | 0 | 958 | 13.375 | 54.5 | J-55 | ВТС |
| Intermediate | 12.25 | 0 | 8634 | 0 | 8558 | 7.827 | 39.3 | P110S | Wedge 463 |
| Production | 6.75 | 8434 | 20164 | 8358 | 9320 | 5.5 | 20 | P-110 | Wedge 461 |

All casing strings will be tested in accordance with 43 CFR part 3170 Subpart 3172

*Oxy requests the option to run the 10.75" Intermediate I as a contingency string to be run only if severe hole conditions dictate an additional casing string necessary. This would make the planned 7.625" / 7.827" Casing the Intermediate II.

**If 4S Contingency is not required, Oxy requests permission to transition from 12.25" to 9.875" Intermediate I at 1st trip point below Brushy top (estimated top in formation table above). Cement volumes will be updated on C103 submission.

| All Casing SF Values will meet or exceed | | | | | | | |
|------------------------------------------|-------|---------|----------|--|--|--|--|
| those below | | | | | | | |
| SF | SF | Body SE | Joint SF | | | | |
| ٥. | 31 | Dody 31 | Joint Ji | | | | |
| Collapse | Burst | | Tension | | | | |

*If Production Casing Connection OD does not meet 0.422" annular clearance inside casing:

- Cement excess will be circulated from Top of Liner to surface (Cement Confirmation)
- Liner Top will be tested to confirm seal
- If ICP in Bone Spring Pool and lateral landed in Wolfcamp Pool, a CBL will be ran.

| | Y or N |
|-------------------------------------------------------------------------------------------------|--------|
| Is casing new? If used, attach certification as required in 43 CFR 3160 | 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? | Y |
| If not provide justification (loading assumptions, casing design criteria). | 1 |
| Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching | Y |
| the collapse pressure rating of the casing? | 1 |
| | |
| 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? | |

Occidental - Permian New Mexico Dr Pi Fed Unit 17_8 DA 11H

3. Cementing Program

| Section | Stage | Slurry: | Sacks | Yield (ft^3/ft) | Density (lb/gal) | Excess: | тос | Placement | Description |
|---------|-------|---------------------------|-------|--------------------|---------------------|---------|-------|------------|-------------------------------|
| Surface | 1 | Surface - Tail | 1001 | 1.33 | 14.8 | 100% | - | Circulate | Class C+Accel. |
| Int. | 1 | Intermediate 1S - Tail | 449 | 1.65 | 13.2 | 5% | 7,176 | Circulate | Class H+Accel., Disper., Salt |
| Int. | 2 | Intermediate 2S - Tail BH | 2501 | 1.71 | 13.3 | 25% | - | Bradenhead | Class C+Accel. |
| Prod. | 1 | Production - Tail | 885 | 1.38 | 13.2 | 25% | 8,434 | Circulate | Class H+Ret., Disper., Salt |

Offline Cementing Request

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. Please see Offline Cementing Variance attachment for further details.

Bradenhead CBL Request

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. Please see Bradenhead CBL Variance attachment for further details.

Cement Top and Liner Overlap

• Oxy is requesting permission to have minimum fill of cement behind the 5-1/2" production liner to be 200 ft into previous casing string

The reason for this is so that we can come back and develop shallower benches from the same 7.625"/7.827" mainbore in the future

Cement will be brought to the top of this liner hanger

4. Pressure Control Equipment

| BOP installed and tested before drilling which hole? | Size? | Min. Required WP | | Туре | • | Tested to: | Deepest TVD Depth (ft) per Section: | |
|------------------------------------------------------|---------|------------------------|------------|------------|----------|-------------------------|-------------------------------------------|--|
| | | 5M | | Annular | ✓ | 70% of working pressure | | |
| | | | | Blind Ram | ✓ | | | |
| 12.25" Hole | 13-5/8" | 5M | Pipe Ram | | | 250 psi / 5000 psi | 8558 | |
| | | | Double Ram | | ✓ | 230 psi / 3000 psi | | |
| | | | Other* | | | | | |
| | | 5M | | Annular | ✓ | 70% of working pressure | | |
| | 13-5/8" | 5M | | Blind Ram | | | | |
| 6.75" Hole | | | | Pipe Ram | | 250 psi / 5000 psi | 9320 | |
| | | | | Double Ram | ✓ | 230 psi / 3000 psi | | |
| | | | Other* | | | | | |

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per 43 CFR part 3170 Subpart 3172 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.

^{*}Specify if additional ram is utilized

Formation integrity test will be performed per 43 CFR part 3170 Subpart 3172.

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 43 CFR part 3170 Subpart 3172.

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.

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 43 CFR part 3170 Subpart 3172 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. Please see BOP Break Testing Variance attachment for further details.

Oxy will use Cameron ADAPT wellhead system that uses an OEC top flange connection. This connection has been fully vetted and verified by API to Spec 6A and carries an API monogram.

Created On: 9/26/2023 at 1:20 PM

5. Mud Program

| Section | Depth - MD | | Depth - TVD | | Tomo | Weight | Vigagity | Water |
|--------------|------------|---------|-------------|---------|-------------------------------------------|------------|-----------|-------|
| Section | From (ft) | To (ft) | From (ft) | To (ft) | Туре | (ppg) | Viscosity | Loss |
| Surface | 0 | 958 | 0 | 958 | Water-Based Mud | 8.6 - 8.8 | 40-60 | N/C |
| Intermediate | 958 | 8634 | 958 | 8558 | Saturated Brine-Based or Oil-Based Mud | 8.0 - 10.0 | 35-45 | N/C |
| Production | 8634 | 20164 | 8558 | 9320 | Water-Based or Oil- Based Mud | 8.0 - 9.6 | 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

| Loggi | ng, 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 | | | | | |

| Addit | ional logs planned | Interval |
|-------|--------------------|-------------------|
| No | Resistivity | |
| No | Density | |
| Yes | CBL | Production string |
| Yes | Mud log | Bone Spring – TD |
| No | PEX | |

Occidental - Permian New Mexico

7. Drilling Conditions

| Condition | Specify what type and where? |
|-------------------------------|------------------------------|
| BH Pressure at deepest TVD | 4653 psi |
| Abnormal Temperature | No |
| BH Temperature at deepest TVD | 155°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 43 CFR part 3170 Subpart 3172. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.

| tile i | the BEIVI. | | | | | |
|--------|-------------------|--|--|--|--|--|
| N | H2S is present | | | | | |
| Υ | 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 2 well pad in batch by section: all surface sections, intermediate | Yes |
| sections and production sections. The wellhead will be secured with a night cap whenever | res |
| the rig is not over the well. | |
| 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, | Yes |
| 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. | |

Total Estimated Cuttings Volume: 1915 bbls

TenarisHydril

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



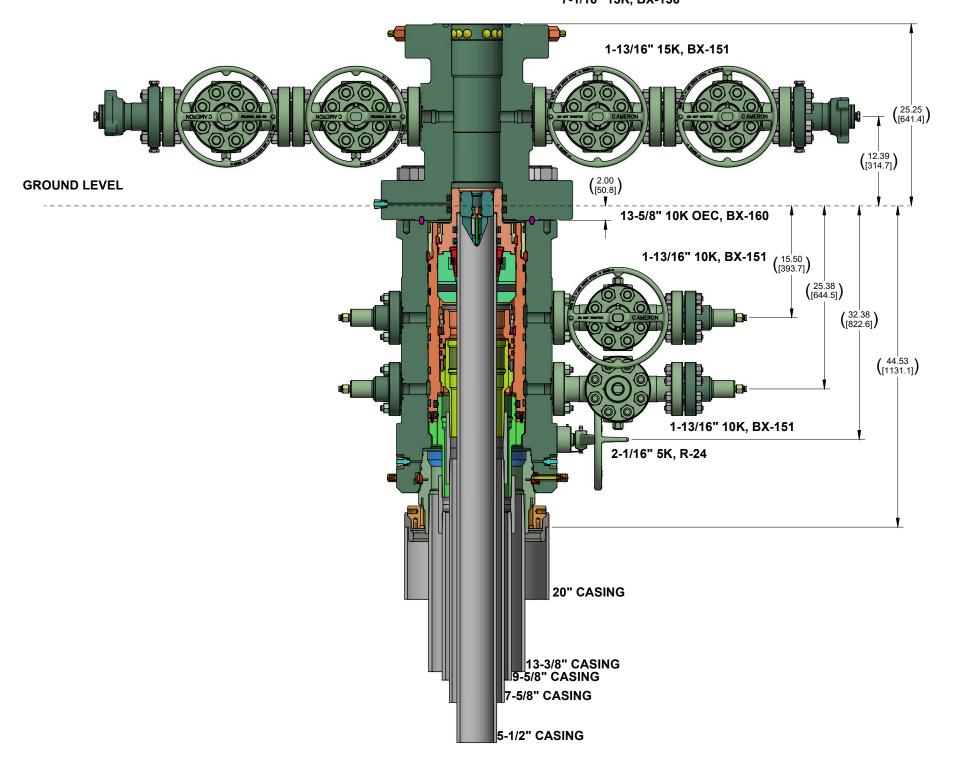
Special Data Sheet TH DS-20.0359 12 August 2020 Rev 00

| Nominal OD | 5.500 in. | Wall Thickness | 0.361 in. | Grade | P110-CY |
|-------------------------|------------------|------------------------|----------------|---------------------------|------------------|
| Min Wall Thickness | 87.5% | Туре | 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 | 5 |
| 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

7-1/16" 15K, BX-156



OXY's Minimum Design Criteria

Burst, Collapse, and Tensile SF are calculated using Landmark's Stress Check (Casing Design) software. A sundry will be requested if any lesser grade or different size casing is substituted.

1) Casing Design Assumptions

a) Burst Loads

CSG Test (Surface)

- Internal: Displacement fluid + pressure required to comply with regulatory casing test pressures. This will comply with both 43 CFR part 3170 Subpart 3172 and 19.15.16 of the OCD Rules.
- External: Pore pressure in open hole.
 - CSG Test (Intermediate)
- Internal: Displacement fluid + pressure required to comply with regulatory casing test pressures. This will comply with both 43 CFR part 3170 Subpart 3172 and 19.15.16 of the OCD Rules.
- External: Mud Weight to TOC, cement mix water gradient (8.4 ppg) below TOC, and pore pressure in open hole.

CSG Test (Production)

- o Internal:
 - For Drilling: Displacement fluid + pressure required to comply with regulatory casing test pressures. This will comply with both 43 CFR part 3170 Subpart 3172 and 19.15.16 of the OCD Rules.
 - For Production: The design pressure test should be the greater of (1) the planned test pressure prior to stimulation down the casing. (2) the regulatory test pressure, and (3) the expected gas lift system pressure. The design test fluid should be the fluid associated with pressure test having the greatest pressure.

External:

- For Drilling: Mud Weight to TOC, cement mix water gradient (8.4 ppg) below TOC, and pore pressure in open hole.
- For Production: Mud base-fluid density to TOC, cement mix water gradient (8.4 ppg) below TOC, and pore pressure in open hole.

Gas Column (Surface)

- Internal: Assumes a full column of gas in the casing with a Gas/Oil Gradient of 0.1 psi/ft
 in the absence of better information. It is limited to the controlling pressure based on the
 fracture pressure at the shoe or the maximum expected pore pressure within the next
 drilling interval, whichever results in a lower surface pressure.
- External: Fluid gradient below TOC, pore pressure from the TOC to the Intermediate CSG shoe (if applicable), and MW of the drilling mud that was in the hole when the CSG was run from Intermediate CSG shoe to surface.

Bullheading (Surface / Intermediate)

- Internal: The string must be designed to withstand a pressure profile based on the fracture pressure at the casing shoe with a column of water above the shoe plus an additional surface pressure (in psi) of 0.02 X MD of the shoe to account for pumping friction pressure.
- External: Mud weight to TOC, cement mix water gradient (8.4 ppg) below TOC, and pore pressure in open hole.

Gas Kick (Intermediate)

- The string must be designed to at least a gas kick load case unless the rig is unable to detect a kick. For the gas kick load case, the internal pressure profile must be based on a minimum volume of 50 bbl or the minimum kick detection capability of the rig, whichever is greater, and a kick intensity of 2.0 ppg for Class 1, 1.0 ppg of Class 2, and 0.5 ppg for Class 3 and 4 wells.
- Internal: Influx depth of the maximum pore pressure of 0.55 "gas kick gravity" of gas to surface while drilling the next hole section.
- External: Mud weight to the TOC, cement mix water gradient below TOC, and pore pressure in open hole.

Tubing Leak Near Surface While Producing (Production)

- o Internal: SITP plus a packer fluid gradient to the shoe or top of packer.
- External: Mud base-fluid density to TOC, cement mix water gradient (8.4 ppg) below TOC, and pore pressure in open hole.

Tubing Leak Near Surface While Stimulating (Production)

- Internal: Surface pressure or pressure-relief system pressure, whichever is lower plus packer fluid gradient.
- External: Mud base-fluid density to TOC, cement mix water gradient (8.4 ppg) below TOC, and pore pressure in open hole.

Injection / Stimulation Down Casing (Production)

- Internal: Surface pressure plus injection fluid gradient.
- External: Mud base-fluid density to TOC, cement mix water gradient (8.4 ppg) below TOC, and pore pressure in open hole.

b) Collapse Loads

Lost Circulation (Surface / Intermediate)

- Internal: Lost circulation at the TD of the next hole section, and the fluid level falls to a depth where the hydrostatic of the mud equals pore pressure at the depth of the lost circulation zone.
- External: MW of the drilling mud that was in the hole when the casing was run. Cementing (Surface / Intermediate / Production)
- o Internal: Displacement fluid density.
- External: Mud weight from TOC to surface and cement slurry weight from TOC to casing shoe.

Full Evacuation (Production)

- Internal: Full void pipe.
- External: MW of drilling mud in the hole when the casing was run.

c) Tension Loads

Running Casing (Surface / Intermediate / Production)

 Axial: Buoyant weight of the string plus the lesser of 100,000 lb or the string weight in air.

Green Cement (Surface / Intermediate / Production)

Axial: Buoyant weight of the string plus cement plug bump pressure load.

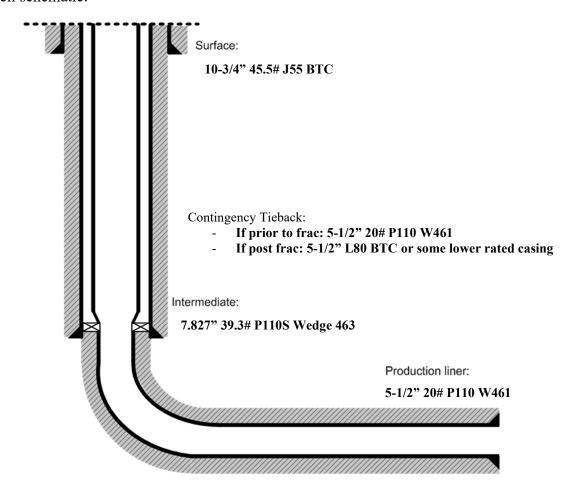
OXY USA WTP LP

Falcon SL1 Contingnecy Tieback Details

Below is a summary that describes the general operational steps to drill and complete the well.

- Drill 14-3/4" hole x 10-3/4" casing for surface section. Cement to surface.
- Drill 9-7/8" hole x 7.827" casing for intermediate section. Cement to surface.
- Drill 6-3/4" hole x 5-1/2" liner for production section. Cement to top of liner, 100' inside 7.827" shoe.
- Release drilling rig from location.
- If contingency tieback required pre-frac:
 - Move in workover rig and run a 5-1/2" 20# P110 Wedge 461 tie-back frac string and seal assembly. Tie into liner hanger Polished Bore Receptacle (PBR) with seal assembly.
 - o Pump hydraulic fracture job.
 - o Flowback and produce well.
- If contingency tieback required post-frac:
 - o Move in workover rig and run a 5-1/2" L80 BTC or lesser rated tie-back string and seal assembly. Tie into liner hanger Polished Bore Receptacle (PBR) with seal assembly.
 - o Return well to production.

General well schematic:



Bradenhead Cement CBL Variance Request

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

Four string wells:

- CBL is not required
- 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

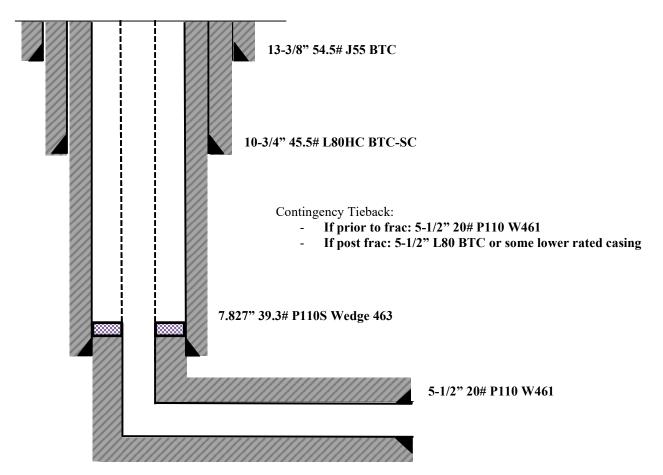
OXY USA WTP LP

4S Falcon SL1 Contingnecy Tieback Details

Below is a summary that describes the general operational steps to drill and complete the well.

- Drill 17-1/2" hole x 13-3/8" casing for surface section. Cement to surface.
- Drill 12-1/4" hole x 10-3/4" casing for intermediate #1 section. Cement to surface.
- Drill 9-7/8" hole x 7.827" casing for intermediate #2 section. Cement to surface.
- Drill 6-3/4" hole x 5-1/2" liner for production section. Cement to top of liner, 200' inside 7.827" shoe.
- Release drilling rig from location.
- If contingency tieback required pre-frac:
 - Move in workover rig and run a 5-1/2" 20# P110 Wedge 461 tie-back frac string and seal assembly. Tie into liner hanger Polished Bore Receptacle (PBR) with seal assembly.
 - o Pump hydraulic fracture job.
 - Flowback and produce well.
- If contingency tieback required post-frac:
 - o Move in workover rig and run a 5-1/2" L80 BTC or lesser rated tie-back string and seal assembly. Tie into liner hanger Polished Bore Receptacle (PBR) with seal assembly.
 - o Return well to production.

General well schematic:



■Tenaris

API BTC -Special Clearance

Coupling Pipe Body Grade: I 80-IC Grade: I 80-IC Body: Red 1st Band: Red 1st Band: Brown 2nd Band: Brown 2nd Band: -3rd Band: Pale Green 3rd Band: -4th Band: -

| Outside Diameter | 10.750 in. | Wall Thickness | 0.400 in. | Grade | L80-IC |
|----------------------|-------------------|-----------------|-------------------|-------|--------|
| Min. Wall Thickness | 87.50 % | Pipe Body Drift | Alternative Drift | Туре | Casing |
| Connection OD Option | Special Clearance | | | | |

Pipe Body Data

| Geometry | | | |
|----------------|--------------|------------------|-------------|
| Nominal OD | 10.750 in. | Drift | 9.875 in. |
| Wall Thickness | 0.400 in. | Plain End Weight | 44.26 lb/ft |
| Nominal Weight | 45.500 lb/ft | OD Tolerance | API |
| Nominal ID | 9.950 in. | | |

| Performance | |
|------------------------------|---------------|
| SMYS | 80,000 psi |
| Min UTS | 95,000 psi |
| Body Yield Strength | 1040 x1000 lb |
| Min. Internal Yield Pressure | 5210 psi |
| Collapse Pressure | 2950 psi |
| Max. Allowed Bending | 34 °/100 ft |

Connection Data

| Geometry | |
|----------------------|------------|
| Thread per In | 5 |
| Connection OD | 11.250 in. |
| Hand Tight Stand Off | 1 in. |

| Performance | |
|----------------------------|---------------|
| Joint Strength | 1041 x1000 lb |
| Coupling Face Load | 478 x1000 lb |
| Internal Pressure Capacity | 4150 psi |

Notes

For products according to API Standards 5CT & 5B; Performance calculated considering API Technical Report 5C3 (Sections 9 & 10) equations.

For geometrical and steel grades combinations not considered in the API Standards 5CT and/or 5B; Performance calculations indirectly derived from API Technical Report 5C3 (Sections 9 & 10) equations.

Couplings OD are shown according to current API 5CT 10th Edition.

Tenaris has issued this document for general information only, and the information in this document, including, without limitation, any pictures, drawings or designs ("Information") is not intended to constitute professional or any other type of advice or recommendation and is provided on an "as is" basis. No warranty is given. Tenaris has not independently verified any information—if any- provided by the user in connection with, or for the purpose of, the Information contained hereunder. The use of the Information is at user's own risk and Tenaris does not assume any responsibility or liability of any kind for any loss, damage or injury resulting from, or in connection with any Information contained hereunder or any use thereof. The Information in this document is subject to change or modification without notice. Tenaris's products and services are subject to Tenaris's standard terms and conditions or otherwise to the terms resulting from the respective contracts of sale or services, as the case may be, between petitioner and Tenaris. For more complete information please contact a Tenaris's representative or visit our website at www.tenaris.com. ©Tenaris 2023. All rights reserved.

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

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 325853

CONDITIONS

| Operator: | OGRID: |
|-----------------------|--------------------------------------|
| OXY USA INC | 16696 |
| P.O. Box 4294 | Action Number: |
| Houston, TX 772104294 | 325853 |
| | Action Type: |
| | [C-103] NOI Change of Plans (C-103A) |

CONDITIONS

| Created By | | Condition Date |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| ward.rikala | All original COA's still apply. Additionally, if cement is not circulated to surface during cementing operations, then a CBL is required. | 4/9/2024 |