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

# Sundry Print Report

11/01/2024

**Well Name:** POKER LAKE UNIT 22-3 BS

**Well Location:** T25S / R31E / SEC 22 / SWSW / 32.109827 / -103.772899

**County or Parish/State:** EDDY / NM

**Well Number:** 123H

**Type of Well:** CONVENTIONAL GAS WELL

**Allottee or Tribe Name:**

**Lease Number:** NMLC070707A

**Unit or CA Name:** POKER LAKE UNIT

**Unit or CA Number:** NMNM71016X

**US Well Number:** 3001553900

**Operator:** XTO PERMIAN OPERATING LLC

## Notice of Intent

**Sundry ID:** 2784417

**Type of Submission:** Notice of Intent

**Type of Action:** APD Change

**Date Sundry Submitted:** 04/10/2024

**Time Sundry Submitted:** 03:22

**Date proposed operation will begin:** 04/30/2024

**Procedure Description:** XTO Permian Operating, LLC. respectfully requests approval to make the following changes to the approved APD. Changes to include SHL, FTP, LTP, BHL, casing sizes, cement, and proposed total depth. FROM: TO: SHL: 465' FSL & 486' FWL of Section 22-T25S-R31E 485' FSL & 486' FWL of Section 22-T25S-R31E FTP: 950' FSL & 220' FWL of Section 22-T25S-R31E 1224' FSL & 790' FWL of Section 22-T25S-R31E LTP: 2490' FNL & 220' FWL of Section 3-T26S-R31E 2540' FNL & 990' FWL of Section 3-T26S-R31E BHL: 2540' FNL & 220' FWL of Section 3-T26S-R31E 2590' FNL & 990' FWL of Section 3-T26S-R31E PPP1: 0' FNL & 788' FWL PPP2: 1323' FNL & 792' FWL PPP3: 2649' FSL & 795' FWL PPP4: 1326' FSL & 989' FWL P1: 1650' FNL & 790' FWL P2: 1980' FSL & 990' FWL Proposed total depth will change from 26149' MD; 11673' TVD (Wolfcamp) to 25794' MD; TVD 10911' (Bone Spring 3 Shale). See attached Drilling Plan for updated cement and casing program. A saturated salt brine will be utilized while drilling through the salt formations. Attachments: C-102, Drilling Plan, Directional Drilling Plan, MBS

## NOI Attachments

**Procedure Description**

Poker_Lake_Unit_22_3_BS_123H_Sundry_Documents_20240729131635.pdf

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**Unit or CA Number:** NMNM71016X

**US Well Number:** 3001553900

**Operator:** XTO PERMIAN OPERATING LLC

## Conditions of Approval

**Additional**

Poker_Lake_Unit_22_3_BS_123H_COA_20241030111710.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:** TERRA SEBASTIAN

**Signed on:** JUL 29, 2024 01:16 PM

**Name:** XTO PERMIAN OPERATING LLC

**Title:** Regulatory Advisor

**Street Address:** 6401 HOLIDAY HILL ROAD SUITE 200

**City:** MIDLAND **State:** TX

**Phone:** (432) 999-3107

**Email address:** TERRA.B.SEBASTIAN@EXXONMOBIL.COM

## Field

**Representative Name:**

**Street Address:**

**City:** **State:** **Zip:**

**Phone:**

**Email address:**

## 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:** 11/01/2024

Signature: Chris Walls

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

***Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.***

***SUBMIT IN TRIPLICATE*** *- Other instructions on page 2*

5. Lease Serial No. NMLC070707A

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No. POKER LAKE UNIT/NMNM71016X

1. Type of Well
☐ Oil Well ☑ Gas Well ☐ Other

8. Well Name and No. POKER LAKE UNIT 22-3 BS/123H

2. Name of Operator XTO PERMIAN OPERATING LLC

9. API Well No. 3001553900

3a. Address 6401 HOLIDAY HILL ROAD BLDG 5, MIDLAND,

3b. Phone No. *(include area code)* (432) 683-2277

10. Field and Pool or Exploratory Area PURPLE SAGE; WOLFCAMP (GAS)/PURPLE SAGE WOLFCAMP (98220)

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* SEC 22/T25S/R31E/NMP

11. Country or Parish, State EDDY/NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|---|---|---|---|---|
| ☑ Notice of Intent | ☐ Acidize | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| | ☐ Alter Casing | ☐ Hydraulic Fracturing | ☐ Reclamation | ☐ Well Integrity |
| ☐ Subsequent Report | ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ☐ Other |
| | ☑ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | |
| ☐ Final Abandonment Notice | ☐ Convert to Injection | ☐ Plug Back | ☐ Water Disposal | |

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

XTO Permian Operating, LLC. respectfully requests approval to make the following changes to the approved APD. Changes to include SHL, FTP, LTP, BHL, casing sizes, cement, and proposed total depth.

FROM: TO:
SHL: 465' FSL & 486' FWL of Section 22-T25S-R31E 485' FSL & 486' FWL of Section 22-T25S-R31E
FTP: 950' FSL & 220' FWL of Section 22-T25S-R31E 1224' FSL & 790' FWL of Section 22-T25S-R31E
LTP: 2490' FNL & 220' FWL of Section 3-T26S-R31E 2540' FNL & 990' FWL of Section 3-T26S-R31E
BHL: 2540' FNL & 220' FWL of Section 3-T26S-R31E 2590' FNL & 990' FWL of Section 3-T26S-R31E

PPP1: 0 FNL & 788 FWL
PPP2: 1323 FNL & 792 FWL
PPP3: 2649 FSL & 795 FWL

Continued on page 3 additional information

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)* TERRA SEBASTIAN / Ph: (432) 999-3107

Title Regulatory Advisor

Signature (Electronic Submission)

Date 07/29/2024

**THE SPACE FOR FEDERAL OR STATE OFICE USE**

Approved by CHRISTOPHER WALLS / Ph: (575) 234-2234 / Approved

Title Petroleum Engineer

Date 11/01/2024

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office CARLSBAD

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.

(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 ofthis form to U.S. Department ofthe Interior, Bureau ofLand 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

### Additional Remarks

PPP4: 1326 FSL & 989 FWL

P1: 1650 FNL & 790 FWL

P2: 1980 FSL & 990 FWL

Proposed total depth will change from 26149 MD; 11673 TVD (Wolfcamp) to 25794 MD; TVD 10911 (Bone Spring 3 Shale).

See attached Drilling Plan for updated cement and casing program.

A saturated salt brine will be utilized while drilling through the salt formations.

Attachments: C-102, Drilling Plan, Directional Drilling Plan, MBS

### Location of Well

0. SHL: SWSW / 465 FSL / 486 FWL / TWSP: 25S / RANGE: 31E / SECTION: 22 / LAT: 32.109827 / LONG: -103.772899 ( TVD: 0 feet, MD: 0 feet )

PPP: SWSW / 950 FSL / 220 FWL / TWSP: 25S / RANGE: 31E / SECTION: 34 / LAT: 32.084897 / LONG: -103.772458 ( TVD: 11673 feet, MD: 22500 feet )

PPP: NWNW / 950 FSL / 220 FWL / TWSP: 25S / RANGE: 31E / SECTION: 27 / LAT: 32.10673 / LONG: -103.772352 ( TVD: 11673 feet, MD: 13400 feet )

PPP: SWNW / 950 FSL / 220 FWL / TWSP: 25S / RANGE: 31E / SECTION: 27 / LAT: 32.103092 / LONG: -103.772384 ( TVD: 11673 feet, MD: 14700 feet )

PPP: NWSW / 950 FSL / 220 FWL / TWSP: 25S / RANGE: 31E / SECTION: 27 / LAT: 32.103092 / LONG: -103.772384 ( TVD: 11673 feet, MD: 16000 feet )

PPP: NWNW / 950 FSL / 220 FWL / TWSP: 25S / RANGE: 31E / SECTION: 34 / LAT: 32.088537 / LONG: -103.772457 ( TVD: 11673 feet, MD: 18600 feet )

PPP: SWSW / 950 FSL / 220 FWL / TWSP: 25S / RANGE: 31E / SECTION: 22 / LAT: 32.109827 / LONG: -103.772899 ( TVD: 11673 feet, MD: 12066 feet )

BHL: SWNW / 2540 FNL / 220 FWL / TWSP: 26S / RANGE: 31E / SECTION: 3 / LAT: 32.072445 / LONG: -103.773911 ( TVD: 11673 feet, MD: 26149 feet )

# PECOS DISTRICT
# DRILLING CONDITIONS OF APPROVAL

| | |
|---|---|
| **OPERATOR'S NAME:** | XTO |
| **LEASE NO.:** | **NMLC070707A** |
| **LOCATION:** | Sec. 22, T.25 S, R 31 E |
| **COUNTY:** | Eddy County, New Mexico |
| **WELL NAME & NO.:** | Poker Lake Unit 22-3 BS 123H |
| **SURFACE HOLE FOOTAGE:** | 45'/S & 486'/W |
| **BOTTOM HOLE FOOTAGE:** | 2590'/N & 990'/W |

*Changes approved through engineering via **Sundry 2784417_** on 10-30-2024_. Any previous COAs not addressed within the updated COAs still apply.*

COA

| | | | | |
|---|---|---|---|---|
| **$H_2S$** | ○ No | | ○ Yes | |
| **Potash / WIPP** | ◉ None | ○ Secretary | ○ R-111-Q | ☐ Open Annulus |
| | Choose an option (including blank option.) | | | ☐ WIPP |
| **Cave / Karst** | ○ Low | ○ Medium | ◉ High | ○ Critical |
| **Wellhead** | ○ Conventional | ◉ Multibowl | ○ Both | ○ Diverter |
| **Cementing** | ☑ Primary Squeeze | ☐ Cont. Squeeze | ☑ EchoMeter | ☐ DV Tool |
| **Special Req** | ☐ Capitan Reef | ☐ Water Disposal | ☐ COM | ☑ Unit |
| **Waste Prev.** | ○ Self-Certification | ○ Waste Min. Plan | ◉ APD Submitted prior to 06/10/2024 | |
| **Additional Language** | ☑ Flex Hose | ☑ Casing Clearance | ☐ Pilot Hole | ☑ Break Testing |
| | ☐ Four-String | ☑ Offline Cementing | ☐ Fluid-Filled | |

## A. HYDROGEN SULFIDE

Hydrogen Sulfide (H2S) monitors shall be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the Hydrogen Sulfide area shall meet 43 CFR 3176 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.

## B. CASING

1. The **9-5/8** inch surface casing shall be set at approximately **980** feet (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite, above the salt, and below usable fresh water) 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.

**Intermediate casing must be kept fluid filled to meet BLM minimum collapse requirement.**

2. The minimum required fill of cement behind the **7-5/8** inch intermediate casing is:
Operator has proposed to cement in two stages by conventionally cementing the first stage and performing a bradenhead squeeze on the second stage, contingent upon no returns to surface.

a. **First stage:** Operator will cement with intent to reach the top of the **Brushy Canyon at 6772'**

b. **Second stage:** Operator will perform bradenhead squeeze and top-out. Cement to surface. If cement does not reach surface, the appropriate BLM office shall be notified. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst.**

❖ In High Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

**Operator has proposed to pump down Surface X Intermediate 1 annulus after primary cementing stage. Operator must run Echo-meter to verify Cement Slurry/Fluid top in the annulus OR operator shall run a CBL from TD of the Surface casing to tieback requirements listed above after the second stage BH to verify TOC.** Submit results to the BLM. No displacement fluid/wash out shall be utilized at the top of the cement slurry between second stage BH and top out. Operator must use a limited flush fluid volume of 1 bbl following backside cementing procedures.

If cement does not reach surface, the next casing string must come to surface.

3. The minimum required fill of cement behind the **5-1/2** inch production casing is:
- Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

**C. PRESSURE CONTROL**

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

2. Operator has proposed a multi-bowl wellhead assembly. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.
a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
c. Manufacturer representative shall install the test plug for the initial BOP test.
d. If the cement does not circulate and one-inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
e. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172 must be followed.

**D. SPECIAL REQUIREMENT (S)**

**Unit Wells**

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

**Commercial Well Determination**

A commercial well determination shall be submitted after production has been established for at least six months. **(This is not necessary for secondary recovery unit wells)**

**BOPE Break Testing Variance**

- BOPE Break Testing is ONLY permitted for intervals utilizing a 5M BOPE or less. **(Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP.)**
- BOPE Break Testing is NOT permitted to drilling the production hole section.
- Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation.
- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer **(575-706-2779)** prior to the commencement of any BOPE Break Testing operations.
- A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
- The BLM is to be contacted (575-361-2822 Eddy County) 4 hours prior to BOPE tests.
- As a minimum, a full BOPE test shall be performed at 21-day intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per **43 CFR 3172**.

- If in the event break testing is not utilized, then a full BOPE test would be conducted.

**Offline Cementing**
Contact the BLM prior to the commencement of any offline cementing procedure.

Engineer may elect to vary this language. Speak with Chris about implementing changes and whether that change seems reasonable.

**Casing Clearance**
String does not meet 0.422" clearance requirement per 43 CFR 3172. Cement tieback requirement increased 100' for Production casing tieback. Operator may contact approving engineer to discuss changing casing set depth or grade to meet clearance requirement.

# 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)

**Contact Eddy County Petroleum Engineering Inspection Staff:**
Email or call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220;
**BLM_NM_CFO_DrillingNotifications@BLM.GOV**; (575) 361-2822

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
        i. Notify the BLM when moving in and removing the Spudder Rig.
        ii. 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.
        iii. BOP/BOPE test to be conducted per **43 CFR 3172** 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. For intervals in which cement to surface is required, cement to surface should be verified with a visual check and density or pH check to differentiate cement from spacer and drilling mud. The results should be documented in the driller's log and daily reports.

## 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 of both lead and tail cement, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. The casing integrity 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 integrity 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-Q 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 **43 CFR 3172**.
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:
    i. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
    ii. 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.
    iii. Manufacturer representative shall install the test plug for the initial BOP test.
    iv. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
    v. 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.
    i. 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).
    ii. 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.)

iii. 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 **43 CFR 3172** 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 8 hours or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).

iv. 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.

v. The results of the test shall be reported to the appropriate BLM office.

vi. 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.

vii. 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.

viii. 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 **43 CFR 3172**.

**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.

**Approved by Zota Stevens on 10/30/2024**
575-234-5998 / zstevens@blm.gov

Santa Fe Main Office
Phone: (505) 476-3441 Fax: (55) 476-3462
General Information
Phone: (505) 629-6116

Online Phone Directory Visit:
https://www.emnrd.nm.gov/ocd/contact-us/

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION

C-102
Revised July 9, 2024
Submit Electronically via OCD Permitting

Submittal Type: ☐ Initial Submittal ☒ Amended Report ☐ As Drilled

**WELL LOCATION INFORMATION**

| | | |
|---|---|---|
| API Number 30-015-53900 | Pool Code 96641 | Pool Name PADUCA;BONE SPRING |
| Property Code 334166 | Property Name Poker Lake Unit 22-3 BS | Well Number 123H |
| OGRID No. 005380 | Operator Name XTO Energy, INC. | Ground Level Elevation 3,341' |
| Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal | Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal | |

**Surface Location**

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|---|---|---|---|---|---|---|---|---|---|
| M | 22 | 25 S | 31 E | | 485 S | 486 W | 32.109882 | -103.772899 | Eddy |

**Bottom Hole Location**

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|---|---|---|---|---|---|---|---|---|---|
| E | 3 | 26 S | 31 E | | 2,590 N | 990 W | 32.072313 | -103.771426 | Eddy |

| Dedicated Acres | Infill or Defining Well | Defining Well API | Overlapping Spacing Unit (Y/N) | Consolidation Code |
|---|---|---|---|---|
| 440 | INFILL | | No | U |
| Order Numbers. | | | Well setbacks are under Common Ownership: ☒Yes ☐No | |

**Kick Off Point (KOP)**

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|---|---|---|---|---|---|---|---|---|---|
| M | 22 | 25 S | 31 E | | 485 S | 486 W | 32.109882 | -103.772899 | Eddy |

**First Take Point (FTP)**

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|---|---|---|---|---|---|---|---|---|---|
| M | 22 | 25 S | 31 E | | 1224 S | 790 W | 32.111914 | -103.771910 | Eddy |

**Last Take Point (LTP)**

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|---|---|---|---|---|---|---|---|---|---|
| E | 3 | 26 S | 31 E | | 2540 N | 990 W | 32.072450 | -103.771425 | Eddy |

| Unitized Area or Area of Uniform Interest | Spacing Unit Type ☒ Horizontal ☐ Vertical | Ground Floor Elevation: |
|---|---|---|
| NMNM-071016X | | 3,341' feet |

OPERATOR CERTIFICATIONS

*I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.*

*If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.*

Terra Sebastian — 11/19/2024

Signature — Date

Terra Sebastian

Printed Name

terra.b.sebastian@exxonmobil.com

Email Address

SURVEYOR CERTIFICATIONS

*I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.*

Please see signature below

Signature and Seal of Professional Surveyor

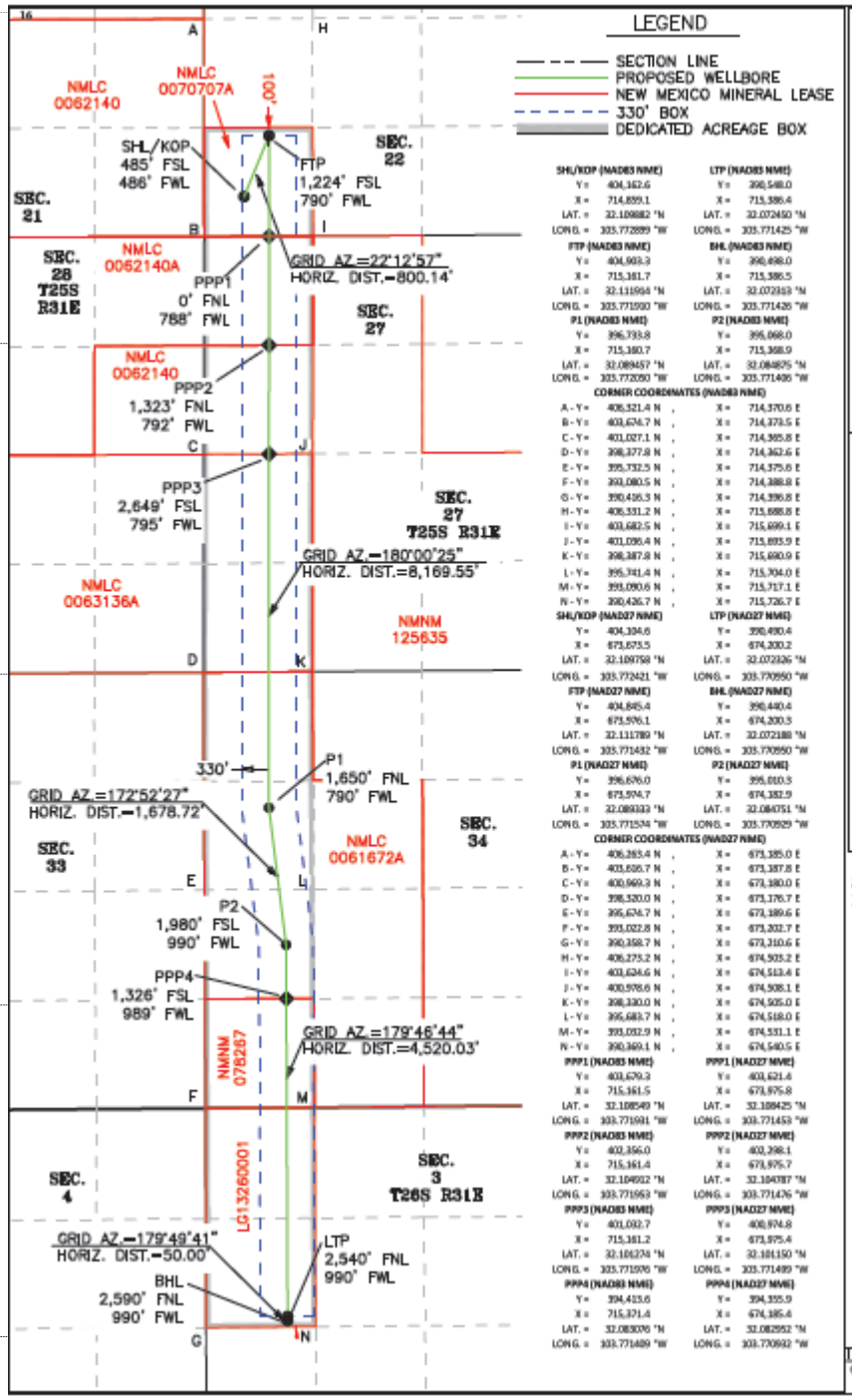
Certificate Number | Date of Survey

*Note: 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.*

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.




LEGEND

- SECTION LINE
- PROPOSED WELLBORE
- NEW MEXICO MINERAL LEASE
- 330' BOX
- DEDICATED ACREAGE BOX

| SHL/KOP (NAD83 NME) | | LTP (NAD83 NME) | |
|---|---|---|---|
| Y = | 404,162.6 | Y = | 390,548.0 |
| X = | 714,899.1 | X = | 715,386.4 |
| LAT. = | 32.109882 °N | LAT. = | 32.072450 °N |
| LONG. = | 103.772899 °W | LONG. = | 103.771425 °W |
| FTP (NAD83 NME) | | BHL (NAD83 NME) | |
| Y = | 404,903.3 | Y = | 390,498.0 |
| X = | 715,181.7 | X = | 715,386.5 |
| LAT. = | 32.111994 °N | LAT. = | 32.072313 °N |
| LONG. = | 103.771930 °W | LONG. = | 103.771426 °W |
| P1 (NAD83 NME) | | P2 (NAD83 NME) | |
| Y = | 396,733.8 | Y = | 395,068.0 |
| X = | 715,180.7 | X = | 715,368.9 |
| LAT. = | 32.089457 °N | LAT. = | 32.084875 °N |
| LONG. = | 103.772050 °W | LONG. = | 103.771406 °W |
| CORNER COORDINATES (NAD83 NME) | | | |
| A - Y = | 406,321.4 N | X = | 714,370.6 E |
| B - Y = | 403,674.7 N | X = | 714,373.5 E |
| C - Y = | 401,027.1 N | X = | 714,395.8 E |
| D - Y = | 398,377.8 N | X = | 714,362.6 E |
| E - Y = | 395,732.5 N | X = | 714,375.6 E |
| F - Y = | 393,080.5 N | X = | 714,388.8 E |
| G - Y = | 390,436.3 N | X = | 714,396.8 E |
| H - Y = | 406,331.2 N | X = | 715,688.8 E |
| I - Y = | 403,682.5 N | X = | 715,699.1 E |
| J - Y = | 401,036.4 N | X = | 715,693.9 E |
| K - Y = | 398,387.8 N | X = | 715,680.9 E |
| L - Y = | 395,741.4 N | X = | 715,704.0 E |
| M - Y = | 393,090.6 N | X = | 715,717.1 E |
| N - Y = | 390,426.7 N | X = | 715,726.7 E |

| SHL/KOP (NAD27 NME) | | LTP (NAD27 NME) | |
|---|---|---|---|
| Y = | 404,104.6 | Y = | 390,490.4 |
| X = | 673,673.5 | X = | 674,200.2 |
| LAT. = | 32.109758 °N | LAT. = | 32.072326 °N |
| LONG. = | 103.772421 °W | LONG. = | 103.770950 °W |
| FTP (NAD27 NME) | | BHL (NAD27 NME) | |
| Y = | 404,845.4 | Y = | 390,440.4 |
| X = | 673,976.1 | X = | 674,200.3 |
| LAT. = | 32.111789 °N | LAT. = | 32.072188 °N |
| LONG. = | 103.771432 °W | LONG. = | 103.770950 °W |
| P1 (NAD27 NME) | | P2 (NAD27 NME) | |
| Y = | 396,676.0 | Y = | 395,010.3 |
| X = | 673,974.7 | X = | 674,182.9 |
| LAT. = | 32.089333 °N | LAT. = | 32.084751 °N |
| LONG. = | 103.771574 °W | LONG. = | 103.770929 °W |
| CORNER COORDINATES (NAD27 NME) | | | |
| A - Y = | 406,265.4 N | X = | 673,185.0 E |
| B - Y = | 403,616.7 N | X = | 673,187.8 E |
| C - Y = | 400,969.3 N | X = | 673,180.0 E |
| D - Y = | 398,320.0 N | X = | 673,176.7 E |
| E - Y = | 395,674.7 N | X = | 673,189.6 E |
| F - Y = | 393,022.8 N | X = | 673,202.7 E |
| G - Y = | 390,358.7 N | X = | 673,210.6 E |
| H - Y = | 406,275.2 N | X = | 674,503.2 E |
| I - Y = | 403,624.6 N | X = | 674,513.4 E |
| J - Y = | 400,976.6 N | X = | 674,508.1 E |
| K - Y = | 398,330.0 N | X = | 674,505.0 E |
| L - Y = | 395,683.7 N | X = | 674,518.0 E |
| M - Y = | 393,032.9 N | X = | 674,531.1 E |
| N - Y = | 390,369.1 N | X = | 674,540.5 E |
| PPP1 (NAD83 NME) | | PPP1 (NAD27 NME) | |
| Y = | 403,679.3 | Y = | 403,621.6 |
| X = | 715,161.5 | X = | 673,975.8 |
| LAT. = | 32.108549 °N | LAT. = | 32.108425 °N |
| LONG. = | 103.771591 °W | LONG. = | 103.771453 °W |
| PPP2 (NAD83 NME) | | PPP2 (NAD27 NME) | |
| Y = | 402,356.0 | Y = | 402,298.1 |
| X = | 715,161.4 | X = | 673,975.7 |
| LAT. = | 32.104912 °N | LAT. = | 32.104787 °N |
| LONG. = | 103.771593 °W | LONG. = | 103.771476 °W |
| PPP3 (NAD83 NME) | | PPP3 (NAD27 NME) | |
| Y = | 401,032.7 | Y = | 400,974.8 |
| X = | 715,161.2 | X = | 673,975.4 |
| LAT. = | 32.101274 °N | LAT. = | 32.101150 °N |
| LONG. = | 103.771596 °W | LONG. = | 103.771489 °W |
| PPP4 (NAD83 NME) | | PPP4 (NAD27 NME) | |
| Y = | 394,415.6 | Y = | 394,355.9 |
| X = | 715,171.4 | X = | 674,185.4 |
| LAT. = | 32.083076 °N | LAT. = | 32.082952 °N |
| LONG. = | 103.771489 °W | LONG. = | 103.770932 °W |

## 17 OPERATOR CERTIFICATION

*I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.*

Emily Rivera — Signature — 7/16/2024 — Date

Emily Rivera — Printed Name

emily.a.rivera@exxonmobil.com — E-mail Address

## 18 SURVEYOR CERTIFICATION

*I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.*

7-9-2024 — Date of Survey

LM 20220711181

Signature and Seal of Professional Surveyor:

I, TIM C. PAPPAS, NEW MEXICO PROFESSIONAL SURVEYOR NO. 21209, DO HEREBY CERTIFY THAT THIS SURVEY PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO, AND THAT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

TIM C. PAPPAS
REGISTERED PROFESSIONAL LAND SURVEYOR
STATE OF NEW MEXICO NO. 21209

TIM C. PAPPAS NEW MEXICO 21209 PROFESSIONAL SURVEYOR

TIM C. PAPPAS 21290
Certificate Number

DRILLING PLAN: BLM COMPLIANCE
(Supplement to BLM 3160-3)

XTO Energy Inc.
POKER LAKE UNIT 22-3 BS 123H
Projected TD: 25794' MD / 10911' TVD
SHL: 485' FSL & 486' FWL , Section 22, T25S, R31E
BHL: 2590' FNL & 990' FWL , Section 3, T26S, R31E
EDDY County, NM

**1. Geologic Name of Surface Formation**

A. Quaternary

**2. Estimated Tops of Geological Markers & Depths of Anticipated Fresh Water, Oil or Gas**

| Formation | Well Depth (TVD) | Water/Oil/Gas |
|---|---|---|
| Rustler | 880' | Water |
| Top of Salt | 1196' | Water |
| Base of Salt | 4066' | Water |
| Delaware | 4281' | Water |
| Brushy Canyon | 6772' | Water/Oil/Gas |
| Bone Spring | 8246' | Water |
| Avalon | 8364' | Water/Oil/Gas |
| 1st Bone Spring | 9086' | Water/Oil/Gas |
| 2nd Bone Spring | 9645' | Water/Oil/Gas |
| 3rd Bone Spring | 10328' | Water/Oil/Gas |
| **Target/Land Curve** | 10911' | Water/Oil/Gas |
| | | |

*** Hydrocarbons @ Brushy Canyon
*** Groundwater depth 40' (per NM State Engineers Office).

No other formations are expected to yield oil, gas or fresh water in measurable volumes. The surface fresh water sands will be protected by setting 9.625 inch casing @ 980' (216' above the salt) and circulating cement back to surface. The intermediate will isolate from the top of salt down to the next casing seat by setting 7.625 inch casing at 10051' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 25794 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 9751 feet).

**3. Casing Design**

| Hole Size | Depth | OD Csg | Weight | Grade | Collar | New/Used | SF Burst | SF Collapse | SF Tension |
|---|---|---|---|---|---|---|---|---|---|
| 12.25 | 0' – 980' | 9.625 | 40 | J-55 | BTC | New | 1.43 | 6.42 | 16.07 |
| 8.75 | 0' – 4000' | 7.625 | 29.7 | RY P-110 | Flush Joint | New | 2.46 | 2.71 | 1.87 |
| 8.75 | 4000' – 10051' | 7.625 | 29.7 | HC L-80 | Flush Joint | New | 1.79 | 2.07 | 2.26 |
| 6.75 | 0' – 9951' | 5.5 | 20 | RY P-110 | Semi-Premium | New | 1.26 | 1.95 | 1.95 |
| 6.75 | 9951' - 25794' | 5.5 | 20 | RY P-110 | Semi-Flush | New | 1.26 | 1.78 | 1.95 |

· XTO requests the option to utilize a spudder rig (Atlas Copco RD20 or Equivalent) to set and cement surface casing per this Sundry
· 7.625 Collapse analyzed using 50% evacuation based on regional experience.
· 5.5 Tension calculated using vertical hanging weight plus the lateral weight multiplied by a friction factor of 0.35

**Wellhead:**

*Permanent Wellhead – Multibowl System*

A. Starting Head: 20” 10M top flange x 9-5/8” bottom

B. Tubing Head: 11” 10M bottom flange x 7-1/16” 15M top flange

- Wellhead will be installed by manufacturer’s representatives.
- Manufacturer will monitor welding process to ensure appropriate temperature of seal.

**4. Cement Program**

***Surface Casing: 9.625, 40 New BTC, J-55 casing to be set at +/- 980'***

Lead: 220 sxs EconoCem-HLTRRC (mixed at 10.5 ppg, 1.87 ft3/sx, 10.13 gal/sx water)
Tail: 130 sxs Class C + 2% CaCl (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)
Top of Cement: Surface
Compressives: 12-hr = 900 psi 24 hr = 1500 psi

***2nd Intermediate Casing: 7.625, 29.7 New casing to be set at +/- 10051'***
*1st Stage*
Optional Lead: 360 sxs Class C (mixed at 10.5 ppg, 2.77 ft3/sx, 15.59 gal/sx water)
TOC: Surface
Tail: 300 sxs Class C (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)
TOC: Brushy Canyon @ 6772
Compressives: 12-hr = 900 psi 24 hr = 1150 psi

*2nd Stage*
Lead: 0 sxs Class C (mixed at 12.9 ppg, 2.16 ft3/sx, 9.61 gal/sx water)
Tail: 760 sxs Class C (mixed at 14.8 ppg, 1.33 ft3/sx, 6.39 gal/sx water)
Top of Cement: 0
Compressives: 12-hr = 900 psi 24 hr = 1150 psi

XTO requests to pump a two stage cement job on the 7-5/8" intermediate casing string with the first stage being pumped conventionally with the calculated top of cement at the Brush Canyon (6772') and the second stage performed as a bradenhead squeeze with planned cement from the Brushy Canyon to surface. If cement is not visually confirmed to circulate to surface, the final cement top after the second stage job will be verified by Echo-meter. If necessary, a top out consisting of 1,500 sack of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (2.30 yld, 12.91 ppg) will be executed as a contingency. If cement is still unable to circulate to surface, another Echo-meter run will be performed for cement top verification.

XTO will report to the BLM the volume of fluid (limited to 5 bbls) used to flush intermediate casing valves following backside cementing procedures.

XTO requests to pump an Optional Lead if well conditions dictate in an attempt to bring cement inside the first intermediate casing. If cement reaches the desired height, the BLM will be notified and the second stage bradenhead squeeze and subsequent TOC verification will be negated.

XTO requests the option to conduct the bradenhead squeeze and TOC verification offline as per standard approval from BLM when unplanned remediation is needed and batch drilling is approved. In the event the bradenhead is conducted, we will ensure the first stage cement job is cemented properly and the well is static with floats holding and no pressure on the csg annulus as with all other casing strings where batch drilling operations occur before moving off the rig. The TA cap will also be installed per Cactus procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops.

***Production Casing: 5.5, 20 New Semi-Flush, RY P-110 casing to be set at +/- 25794'***

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft3/sx, 15.00 gal/sx water) Top of Cement: 9751 feet
Tail: 1110 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft3/sx, 8.38 gal/sx water) Top of Cement: 10251 feet
Compressives: 12-hr = 800 psi 24 hr = 1500 psi

XTO requests the option to offline cement and remediate (if needed) surface and intermediate casing strings where batch drilling is approved and if unplanned remediation is needed. XTO will ensure well is static with no pressure on the csg annulus, as with all other casing strings where batch drilling operations occur before moving off the rig. The TA cap will also be installed when applicable per Cactus procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops. Offline cement operations will then be conducted after the rig is moved off the current well to the next well in the batch sequence.

**5. Pressure Control Equipment**

Once the permanent WH is installed on the 9.625 casing, the blow out preventer equipment (BOP) will consist of a 13-5/8" minimum 5M Hydril and a 13-5/8" minimum 10M Double Ram BOP. MASP should not exceed 3841 psi. In any instance where 10M BOP is required by BLM, XTO requests a variance to utilize 5M annular with 10M ram preventers (a common BOP configuration, which allows use of 10M rams in unlikely event that pressures exceed 5M).

All BOP testing will be done by an independent service company. Annular pressure tests will be limited to 50% of the working pressure. When nippling up on the 9.625, 5M bradenhead and flange, the BOP test will be limited to 5000 psi. When nippling up on the 7.625, the BOP will be tested to a minimum of 5000 psi. All BOP tests will include a low pressure test as per BLM regulations. The 5M BOP diagrams are attached. Blind rams will be functioned tested each trip, pipe rams will be functioned tested each day.

A variance is requested to allow use of a flex hose as the choke line from the BOP to the Choke Manifold. If this hose is used, a copy of the manufacturer's certification and pressure test chart will be kept on the rig. Attached is an example of a certification and pressure test chart. The manufacturer does not require anchors.

XTO requests a variance to be able to batch drill this well if necessary. In doing so, XTO will set casing and ensure that the well is cemented properly (unless approval is given for offline cementing) and the well is static. With floats holding, no pressure on the csg annulus, and the installation of a 10K TA cap as per Cactus recommendations, XTO will contact the BLM to skid the rig to drill the remaining wells on the pad. Once surface and both intermediate strings are all completed, XTO will begin drilling the production

hole on each of the wells.

A variance is requested to **ONLY** test broken pressure seals on the BOP equipment when moving from wellhead to wellhead which is in compliance with API Standard 53. API standard 53 states, that for pad drilling operation, moving from one wellhead to another within 21 days, pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken. We will request permission to **ONLY** retest broken pressure seals if the following conditions are met: 1. After a full BOP test is conducted on the first well on the pad 2. When skidding to drill an intermediate section that does not penetrate into the Wolfcamp.

**6. Proposed Mud Circulation System**

| INTERVAL | Hole Size | Mud Type | MW (ppg) | Viscosity (sec/qt) | Fluid Loss (cc) | Additional Comments |
|---|---|---|---|---|---|---|
| 0' - 981' | 12.25 | FW/Native | 8.7-9.2 | 35-40 | NC | Fresh Water or Native Water |
| 981'-4282' | | Salt Saturated | 10.5-11 | | | Fully Saturated salt across salado / /salt |
| 4282' - 12005' | 8.75 | BDE / OBM | 9-9.5 | 30-32 | NC | N/A |
| 12005' - 27327' | 6.75 | OBM | 11.5-12 | 50-60 | NC - 20 | N/A |

The necessary mud products for weight addition and fluid loss control will be on location at all times.

Spud with fresh water/native mud. Drill out from under surface casing with Saturated Salt solution. Saturated Salt mud will be used while drilling through the salt formation. Use fibrous materials as needed to control seepage and lost circulation. Pump viscous sweeps as needed for hole cleaning. Pump speed will be recorded on a daily drilling report after mudding up. A Pason or Totco will be used to detect changes in loss or gain of mud volume. A mud test will be performed every 24 hours to determine: density, viscosity, strength, filtration and pH as necessary. Use available solids controls equipment to help keep mud weight down after mud up. Rig up solids control equipment to operate as a closed loop system."

**7. Auxiliary Well Control and Monitoring Equipment**

A. A Kelly cock will be in the drill string at all times.
B. A full opening drill pipe stabbing valve having appropriate connections will be on the rig floor at all times.
C. H2S monitors will be on location when drilling below the 9.625 casing.

**8. Logging, Coring and Testing Program**

Open hole logging will not be done on this well.

**9. Abnormal Pressures and Temperatures / Potential Hazards**

None Anticipated. BHT of 175 to 195 F is anticipated. No H2S is expected but monitors will be in place to detect any H2S occurrences. Should these circumstances be encountered the operator and drilling contractor are prepared to take all necessary steps to ensure safety of all personnel and environment. Lost circulation could occur but is not expected to be a serious problem in this area and hole seepage will be compensated for by additions of small amounts of LCM in the drilling fluid. The maximum anticipated bottom hole pressure for this well is 6241 psi.

**10. Anticipated Starting Date and Duration of Operations**

Anticipated spud date will be after BLM approval. Move in operations and drilling is expected to take 40 days.

# Well Plan Report - PLU 22-3 BS 123H

| | |
|---|---|
| **Measured Depth:** | 25793.55 ft |
| **TVD RKB:** | 10911.00 ft |
| **Location** | |
| **Cartographic Reference System:** | New Mexico East - NAD 27 |
| **Northing:** | 404845.40 ft |
| **Easting:** | 673673.50 ft |
| **RKB:** | 3373.00 ft |
| **Ground Level:** | 3341.00 ft |
| **North Reference:** | Grid |
| **Convergence Angle:** | 0.30 Deg |

**Plan Sections** PLU 22-3 BS 123H

| Measured Depth (ft) | Inclination (Deg) | Azimuth (Deg) | TVD RKB (ft) | Y Offset (ft) | X Offset (ft) | Build Rate (Deg/100ft) | Turn Rate (Deg/100ft) | Dogleg Rate (Deg/100ft) | Target |
|---|---|---|---|---|---|---|---|---|---|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1100.00 | 0.00 | 0.00 | 1100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1527.51 | 8.55 | 22.91 | 1525.92 | 29.33 | 12.40 | 2.00 | 0.00 | 2.00 | |
| 6329.02 | 8.55 | 22.91 | 6274.08 | 686.87 | 290.33 | 0.00 | 0.00 | 0.00 | |
| 6756.53 | 0.00 | 0.00 | 6700.00 | 716.20 | 302.72 | -2.00 | 0.00 | 2.00 | |
| 10251.34 | 0.00 | 0.00 | 10194.80 | 716.20 | 302.72 | 0.00 | 0.00 | 0.00 | |
| 11376.34 | 90.00 | 180.01 | 10911.00 | 0.00 | 302.60 | 8.00 | 0.00 | 8.00 | FTP 123H |
| 19226.34 | 90.00 | 180.01 | 10911.00 | -7850.00 | 301.25 | 0.00 | 0.00 | 0.00 | |
| 19552.79 | 90.00 | 173.48 | 10911.00 | -8175.75 | 319.78 | 0.00 | -2.00 | 2.00 | |
| 21222.94 | 90.00 | 173.48 | 10911.00 | -9835.10 | 509.40 | 0.00 | 0.00 | 0.00 | P2 123H |
| 21549.73 | 90.00 | 180.02 | 10911.00 | -10161.19 | 527.92 | -0.00 | 2.00 | 2.00 | |
| 25743.54 | 90.00 | 180.02 | 10911.00 | -14355.00 | 526.70 | 0.00 | 0.00 | 0.00 | LTP 123H |
| 25793.55 | 90.00 | 180.02 | 10911.00 | -14405.00 | 526.69 | 0.00 | 0.00 | 0.00 | BHL 123H |

**Position Uncertainty** PLU 22-3 BS 123H

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | TVD RKB (ft) | Highside Error (ft) | Highside Bias (ft) | Lateral Error (ft) | Lateral Bias (ft) | Vertical Error (ft) | Vertical Bias (ft) | Magnitude of Bias (ft) | Semi-major Error (ft) | Semi-minor Error (ft) | Semi-minor Azimuth (°) | Tool Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | XOM_R2OWSG MWD+IFR1+MS |
| 100.000 | 0.000 | 0.000 | 100.000 | 0.358 | 0.000 | 0.179 | 0.000 | 2.300 | 0.000 | 0.000 | 0.358 | 0.179 | 90.000 | XOM_R2OWSG MWD+IFR1+MS |
| 200.000 | 0.000 | 0.000 | 200.000 | 0.717 | 0.000 | 0.538 | 0.000 | 2.310 | 0.000 | 0.000 | 0.717 | 0.538 | 90.000 | XOM_R2OWSG MWD+IFR1+MS |
| 300.000 | 0.000 | 0.000 | 300.000 | 1.075 | 0.000 | 0.896 | 0.000 | 2.325 | 0.000 | 0.000 | 1.075 | 0.896 | 90.000 | XOM_R2OWSG MWD+IFR1+MS |
| 400.000 | 0.000 | 0.000 | 400.000 | 1.434 | 0.000 | 1.255 | 0.000 | 2.347 | 0.000 | 0.000 | 1.434 | 1.255 | 90.000 | XOM_R2OWSG MWD+IFR1+MS |
| 500.000 | 0.000 | 0.000 | 500.000 | 1.792 | 0.000 | 1.613 | 0.000 | 2.374 | 0.000 | 0.000 | 1.792 | 1.613 | 90.000 | XOM_R2OWSG MWD+IFR1+MS |
| 600.000 | 0.000 | 0.000 | 600.000 | 2.151 | 0.000 | 1.972 | 0.000 | 2.406 | 0.000 | 0.000 | 2.151 | 1.972 | 90.000 | XOM_R2OWSG MWD+IFR1+MS |
| 700.000 | 0.000 | 0.000 | 700.000 | 2.509 | 0.000 | 2.330 | 0.000 | 2.443 | 0.000 | 0.000 | 2.509 | 2.330 | 90.000 | XOM_R2OWSG MWD+IFR1+MS |
| 800.000 | 0.000 | 0.000 | 800.000 | 2.868 | 0.000 | 2.689 | 0.000 | 2.485 | 0.000 | 0.000 | 2.868 | 2.689 | 90.000 | XOM_R2OWSG MWD+IFR1+MS |
| 900.000 | 0.000 | 0.000 | 900.000 | 3.226 | 0.000 | 3.047 | 0.000 | 2.531 | 0.000 | 0.000 | 3.226 | 3.047 | 90.000 | XOM_R2OWSG MWD+IFR1+MS |
| 1000.000 | 0.000 | 0.000 | 1000.000 | 3.585 | 0.000 | 3.405 | 0.000 | 2.581 | 0.000 | 0.000 | 3.585 | 3.405 | 90.000 | XOM_R2OWSG MWD+IFR1+MS |
| 1100.000 | 0.000 | 0.000 | 1100.000 | 3.943 | 0.000 | 3.764 | 0.000 | 2.634 | 0.000 | 0.000 | 3.943 | 3.764 | 90.000 | XOM_R2OWSG MWD+IFR1+MS |
| 1200.000 | 2.000 | 22.913 | 1199.980 | 4.272 | 0.000 | 4.149 | 0.000 | 2.690 | 0.000 | 0.000 | 4.301 | 4.121 | 90.064 | XOM_R2OWSG MWD+IFR1+MS |
| 1300.000 | 4.000 | 22.913 | 1299.838 | 4.623 | 0.000 | 4.504 | 0.000 | 2.747 | 0.000 | 0.000 | 4.660 | 4.477 | 90.312 | XOM_R2OWSG MWD+IFR1+MS |
| 1400.000 | 6.000 | 22.913 | 1399.452 | 4.969 | 0.000 | 4.859 | 0.000 | 2.805 | 0.000 | 0.000 | 5.018 | 4.832 | 90.597 | XOM_R2OWSG MWD+IFR1+MS |
| 1500.000 | 8.000 | 22.913 | 1498.702 | 5.310 | 0.000 | 5.214 | 0.000 | 2.865 | 0.000 | 0.000 | 5.377 | 5.187 | 90.862 | XOM_R2OWSG MWD+IFR1+MS |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1527.509 | 8.550 | 22.913 | 1525.925 | 5.403 | 0.000 | 5.312 | 0.000 | 2.878 | 0.000 | 0.000 | 5.478 | 5.285 | 91.121 | XOM_R2OWSG MWD+IFR1+MS |
| 1600.000 | 8.550 | 22.913 | 1597.609 | 5.663 | 0.000 | 5.569 | 0.000 | 2.928 | 0.000 | 0.000 | 5.736 | 5.542 | 90.991 | XOM_R2OWSG MWD+IFR1+MS |
| 1700.000 | 8.550 | 22.913 | 1696.498 | 6.024 | 0.000 | 5.926 | 0.000 | 3.000 | 0.000 | 0.000 | 6.093 | 5.898 | 90.743 | XOM_R2OWSG MWD+IFR1+MS |
| 1800.000 | 8.550 | 22.913 | 1795.387 | 6.386 | 0.000 | 6.284 | 0.000 | 3.076 | 0.000 | 0.000 | 6.452 | 6.255 | 90.543 | XOM_R2OWSG MWD+IFR1+MS |
| 1900.000 | 8.550 | 22.913 | 1894.275 | 6.749 | 0.000 | 6.643 | 0.000 | 3.154 | 0.000 | 0.000 | 6.812 | 6.613 | 90.382 | XOM_R2OWSG MWD+IFR1+MS |
| 2000.000 | 8.550 | 22.913 | 1993.164 | 7.114 | 0.000 | 7.002 | 0.000 | 3.234 | 0.000 | 0.000 | 7.173 | 6.972 | 90.254 | XOM_R2OWSG MWD+IFR1+MS |
| 2100.000 | 8.550 | 22.913 | 2092.052 | 7.479 | 0.000 | 7.363 | 0.000 | 3.317 | 0.000 | 0.000 | 7.534 | 7.332 | 90.156 | XOM_R2OWSG MWD+IFR1+MS |
| 2200.000 | 8.550 | 22.913 | 2190.941 | 7.845 | 0.000 | 7.724 | 0.000 | 3.402 | 0.000 | 0.000 | 7.897 | 7.693 | 90.082 | XOM_R2OWSG MWD+IFR1+MS |
| 2300.000 | 8.550 | 22.913 | 2289.830 | 8.212 | 0.000 | 8.086 | 0.000 | 3.489 | 0.000 | 0.000 | 8.260 | 8.054 | 90.029 | XOM_R2OWSG MWD+IFR1+MS |
| 2400.000 | 8.550 | 22.913 | 2388.718 | 8.580 | 0.000 | 8.448 | 0.000 | 3.579 | 0.000 | 0.000 | 8.624 | 8.416 | 89.993 | XOM_R2OWSG MWD+IFR1+MS |
| 2500.000 | 8.550 | 22.913 | 2487.607 | 8.948 | 0.000 | 8.810 | 0.000 | 3.669 | 0.000 | 0.000 | 8.988 | 8.778 | 89.974 | XOM_R2OWSG MWD+IFR1+MS |
| 2600.000 | 8.550 | 22.913 | 2586.495 | 9.316 | 0.000 | 9.173 | 0.000 | 3.762 | 0.000 | 0.000 | 9.353 | 9.141 | 89.968 | XOM_R2OWSG MWD+IFR1+MS |
| 2700.000 | 8.550 | 22.913 | 2685.384 | 9.685 | 0.000 | 9.536 | 0.000 | 3.857 | 0.000 | 0.000 | 9.718 | 9.503 | 89.973 | XOM_R2OWSG MWD+IFR1+MS |
| 2800.000 | 8.550 | 22.913 | 2784.273 | 10.054 | 0.000 | 9.900 | 0.000 | 3.953 | 0.000 | 0.000 | 10.083 | 9.867 | 89.988 | XOM_R2OWSG MWD+IFR1+MS |
| 2900.000 | 8.550 | 22.913 | 2883.161 | 10.424 | 0.000 | 10.264 | 0.000 | 4.050 | 0.000 | 0.000 | 10.449 | 10.230 | 90.012 | XOM_R2OWSG MWD+IFR1+MS |
| 3000.000 | 8.550 | 22.913 | 2982.050 | 10.793 | 0.000 | 10.628 | 0.000 | 4.149 | 0.000 | 0.000 | 10.815 | 10.594 | 90.044 | XOM_R2OWSG MWD+IFR1+MS |
| 3100.000 | 8.550 | 22.913 | 3080.938 | 11.163 | 0.000 | 10.992 | 0.000 | 4.250 | 0.000 | 0.000 | 11.182 | 10.958 | 90.082 | XOM_R2OWSG MWD+IFR1+MS |
| 3200.000 | 8.550 | 22.913 | 3179.827 | 11.534 | 0.000 | 11.356 | 0.000 | 4.352 | 0.000 | 0.000 | 11.548 | 11.322 | 90.126 | XOM_R2OWSG MWD+IFR1+MS |
| 3300.000 | 8.550 | 22.913 | 3278.716 | 11.904 | 0.000 | 11.721 | 0.000 | 4.456 | 0.000 | 0.000 | 11.915 | 11.686 | 90.175 | XOM_R2OWSG MWD+IFR1+MS |
| 3400.000 | 8.550 | 22.913 | 3377.604 | 12.275 | 0.000 | 12.085 | 0.000 | 4.561 | 0.000 | 0.000 | 12.282 | 12.051 | 90.228 | XOM_R2OWSG MWD+IFR1+MS |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3500.000 | 8.550 | 22.913 | 3476.493 | 12.646 | 0.000 | 12.450 | 0.000 | 4.668 | 0.000 | 0.000 | 12.649 | 12.415 | 90.285 | XOM_R2OWSG MWD+IFR1+MS |
| 3600.000 | 8.550 | 22.913 | 3575.381 | 13.017 | 0.000 | 12.815 | 0.000 | 4.776 | 0.000 | 0.000 | 13.016 | 12.780 | 90.346 | XOM_R2OWSG MWD+IFR1+MS |
| 3700.000 | 8.550 | 22.913 | 3674.270 | 13.388 | 0.000 | 13.180 | 0.000 | 4.886 | 0.000 | 0.000 | 13.384 | 13.145 | 90.409 | XOM_R2OWSG MWD+IFR1+MS |
| 3800.000 | 8.550 | 22.913 | 3773.159 | 13.759 | 0.000 | 13.546 | 0.000 | 4.997 | 0.000 | 0.000 | 13.752 | 13.510 | 90.475 | XOM_R2OWSG MWD+IFR1+MS |
| 3900.000 | 8.550 | 22.913 | 3872.047 | 14.131 | 0.000 | 13.911 | 0.000 | 5.109 | 0.000 | 0.000 | 14.119 | 13.875 | 90.543 | XOM_R2OWSG MWD+IFR1+MS |
| 4000.000 | 8.550 | 22.913 | 3970.936 | 14.502 | 0.000 | 14.276 | 0.000 | 5.223 | 0.000 | 0.000 | 14.487 | 14.240 | 90.612 | XOM_R2OWSG MWD+IFR1+MS |
| 4100.000 | 8.550 | 22.913 | 4069.824 | 14.874 | 0.000 | 14.642 | 0.000 | 5.339 | 0.000 | 0.000 | 14.855 | 14.606 | 90.684 | XOM_R2OWSG MWD+IFR1+MS |
| 4200.000 | 8.550 | 22.913 | 4168.713 | 15.246 | 0.000 | 15.007 | 0.000 | 5.456 | 0.000 | 0.000 | 15.223 | 14.971 | 90.756 | XOM_R2OWSG MWD+IFR1+MS |
| 4300.000 | 8.550 | 22.913 | 4267.602 | 15.618 | 0.000 | 15.373 | 0.000 | 5.575 | 0.000 | 0.000 | 15.592 | 15.337 | 90.830 | XOM_R2OWSG MWD+IFR1+MS |
| 4400.000 | 8.550 | 22.913 | 4366.490 | 15.990 | 0.000 | 15.739 | 0.000 | 5.695 | 0.000 | 0.000 | 15.960 | 15.702 | 90.905 | XOM_R2OWSG MWD+IFR1+MS |
| 4500.000 | 8.550 | 22.913 | 4465.379 | 16.362 | 0.000 | 16.104 | 0.000 | 5.817 | 0.000 | 0.000 | 16.328 | 16.068 | 90.981 | XOM_R2OWSG MWD+IFR1+MS |
| 4600.000 | 8.550 | 22.913 | 4564.267 | 16.734 | 0.000 | 16.470 | 0.000 | 5.940 | 0.000 | 0.000 | 16.697 | 16.434 | 91.058 | XOM_R2OWSG MWD+IFR1+MS |
| 4700.000 | 8.550 | 22.913 | 4663.156 | 17.106 | 0.000 | 16.836 | 0.000 | 6.065 | 0.000 | 0.000 | 17.065 | 16.799 | 91.135 | XOM_R2OWSG MWD+IFR1+MS |
| 4800.000 | 8.550 | 22.913 | 4762.045 | 17.478 | 0.000 | 17.202 | 0.000 | 6.192 | 0.000 | 0.000 | 17.434 | 17.165 | 91.213 | XOM_R2OWSG MWD+IFR1+MS |
| 4900.000 | 8.550 | 22.913 | 4860.933 | 17.850 | 0.000 | 17.568 | 0.000 | 6.321 | 0.000 | 0.000 | 17.803 | 17.531 | 91.291 | XOM_R2OWSG MWD+IFR1+MS |
| 5000.000 | 8.550 | 22.913 | 4959.822 | 18.223 | 0.000 | 17.934 | 0.000 | 6.451 | 0.000 | 0.000 | 18.172 | 17.897 | 91.369 | XOM_R2OWSG MWD+IFR1+MS |
| 5100.000 | 8.550 | 22.913 | 5058.710 | 18.595 | 0.000 | 18.300 | 0.000 | 6.583 | 0.000 | 0.000 | 18.540 | 18.263 | 91.448 | XOM_R2OWSG MWD+IFR1+MS |
| 5200.000 | 8.550 | 22.913 | 5157.599 | 18.968 | 0.000 | 18.666 | 0.000 | 6.717 | 0.000 | 0.000 | 18.909 | 18.629 | 91.527 | XOM_R2OWSG MWD+IFR1+MS |
| 5300.000 | 8.550 | 22.913 | 5256.488 | 19.340 | 0.000 | 19.032 | 0.000 | 6.853 | 0.000 | 0.000 | 19.278 | 18.995 | 91.606 | XOM_R2OWSG MWD+IFR1+MS |
| 5400.000 | 8.550 | 22.913 | 5355.376 | 19.713 | 0.000 | 19.399 | 0.000 | 6.990 | 0.000 | 0.000 | 19.647 | 19.361 | 91.686 | XOM_R2OWSG MWD+IFR1+MS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5500.000 | 8.550 | 22.913 | 5454.265 | 20.085 | 0.000 | 19.765 | 0.000 | 7.130 | 0.000 | 0.000 | 20.016 | 19.727 | 91.765 | XOM_R2OWSG MWD+IFR1+MS |
| 5600.000 | 8.550 | 22.913 | 5553.153 | 20.458 | 0.000 | 20.131 | 0.000 | 7.271 | 0.000 | 0.000 | 20.386 | 20.093 | 91.844 | XOM_R2OWSG MWD+IFR1+MS |
| 5700.000 | 8.550 | 22.913 | 5652.042 | 20.831 | 0.000 | 20.497 | 0.000 | 7.414 | 0.000 | 0.000 | 20.755 | 20.459 | 91.924 | XOM_R2OWSG MWD+IFR1+MS |
| 5800.000 | 8.550 | 22.913 | 5750.931 | 21.203 | 0.000 | 20.864 | 0.000 | 7.559 | 0.000 | 0.000 | 21.124 | 20.825 | 92.003 | XOM_R2OWSG MWD+IFR1+MS |
| 5900.000 | 8.550 | 22.913 | 5849.819 | 21.576 | 0.000 | 21.230 | 0.000 | 7.707 | 0.000 | 0.000 | 21.493 | 21.192 | 92.083 | XOM_R2OWSG MWD+IFR1+MS |
| 6000.000 | 8.550 | 22.913 | 5948.708 | 21.949 | 0.000 | 21.596 | 0.000 | 7.856 | 0.000 | 0.000 | 21.863 | 21.558 | 92.162 | XOM_R2OWSG MWD+IFR1+MS |
| 6100.000 | 8.550 | 22.913 | 6047.596 | 22.322 | 0.000 | 21.963 | 0.000 | 8.007 | 0.000 | 0.000 | 22.232 | 21.924 | 92.241 | XOM_R2OWSG MWD+IFR1+MS |
| 6200.000 | 8.550 | 22.913 | 6146.485 | 22.694 | 0.000 | 22.329 | 0.000 | 8.160 | 0.000 | 0.000 | 22.601 | 22.291 | 92.320 | XOM_R2OWSG MWD+IFR1+MS |
| 6300.000 | 8.550 | 22.913 | 6245.374 | 23.067 | 0.000 | 22.696 | 0.000 | 8.316 | 0.000 | 0.000 | 22.971 | 22.657 | 92.399 | XOM_R2OWSG MWD+IFR1+MS |
| 6329.024 | 8.550 | 22.913 | 6274.075 | 23.176 | 0.000 | 22.802 | 0.000 | 8.362 | 0.000 | 0.000 | 23.078 | 22.763 | 92.424 | XOM_R2OWSG MWD+IFR1+MS |
| 6400.000 | 7.131 | 22.913 | 6344.386 | 23.448 | 0.000 | 23.061 | 0.000 | 8.474 | 0.000 | 0.000 | 23.339 | 23.022 | 92.464 | XOM_R2OWSG MWD+IFR1+MS |
| 6500.000 | 5.131 | 22.913 | 6443.809 | 23.805 | 0.000 | 23.423 | 0.000 | 8.631 | 0.000 | 0.000 | 23.703 | 23.384 | 92.513 | XOM_R2OWSG MWD+IFR1+MS |
| 6600.000 | 3.131 | 22.913 | 6543.544 | 24.130 | 0.000 | 23.780 | 0.000 | 8.787 | 0.000 | 0.000 | 24.062 | 23.741 | 92.551 | XOM_R2OWSG MWD+IFR1+MS |
| 6700.000 | 1.131 | 22.913 | 6643.470 | 24.423 | 0.000 | 24.133 | 0.000 | 8.940 | 0.000 | 0.000 | 24.415 | 24.094 | 92.557 | XOM_R2OWSG MWD+IFR1+MS |
| 6756.534 | 0.000 | 0.000 | 6700.000 | 24.612 | 0.000 | 24.292 | 0.000 | 9.026 | 0.000 | 0.000 | 24.612 | 24.292 | 92.499 | XOM_R2OWSG MWD+IFR1+MS |
| 6800.000 | 0.000 | 0.000 | 6743.466 | 24.762 | 0.000 | 24.443 | 0.000 | 9.092 | 0.000 | 0.000 | 24.763 | 24.442 | 92.421 | XOM_R2OWSG MWD+IFR1+MS |
| 6900.000 | 0.000 | 0.000 | 6843.466 | 25.109 | 0.000 | 24.790 | 0.000 | 9.245 | 0.000 | 0.000 | 25.110 | 24.790 | 92.244 | XOM_R2OWSG MWD+IFR1+MS |
| 7000.000 | 0.000 | 0.000 | 6943.466 | 25.456 | 0.000 | 25.138 | 0.000 | 9.401 | 0.000 | 0.000 | 25.457 | 25.137 | 92.072 | XOM_R2OWSG MWD+IFR1+MS |
| 7100.000 | 0.000 | 0.000 | 7043.466 | 25.804 | 0.000 | 25.486 | 0.000 | 9.559 | 0.000 | 0.000 | 25.804 | 25.485 | 91.903 | XOM_R2OWSG MWD+IFR1+MS |
| 7200.000 | 0.000 | 0.000 | 7143.466 | 26.152 | 0.000 | 25.834 | 0.000 | 9.721 | 0.000 | 0.000 | 26.152 | 25.834 | 91.739 | XOM_R2OWSG MWD+IFR1+MS |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7300.000 | 0.000 | 0.000 | 7243.466 | 26.500 | 0.000 | 26.182 | 0.000 | 9.885 | 0.000 | 0.000 | 26.500 | 26.182 | 91.578 | XOM_R2OWSG MWD+IFR1+MS |
| 7400.000 | 0.000 | 0.000 | 7343.466 | 26.848 | 0.000 | 26.531 | 0.000 | 10.052 | 0.000 | 0.000 | 26.848 | 26.531 | 91.422 | XOM_R2OWSG MWD+IFR1+MS |
| 7500.000 | 0.000 | 0.000 | 7443.466 | 27.197 | 0.000 | 26.880 | 0.000 | 10.221 | 0.000 | 0.000 | 27.197 | 26.880 | 91.269 | XOM_R2OWSG MWD+IFR1+MS |
| 7600.000 | 0.000 | 0.000 | 7543.466 | 27.546 | 0.000 | 27.229 | 0.000 | 10.394 | 0.000 | 0.000 | 27.546 | 27.229 | 91.119 | XOM_R2OWSG MWD+IFR1+MS |
| 7700.000 | 0.000 | 0.000 | 7643.466 | 27.895 | 0.000 | 27.579 | 0.000 | 10.569 | 0.000 | 0.000 | 27.895 | 27.578 | 90.973 | XOM_R2OWSG MWD+IFR1+MS |
| 7800.000 | 0.000 | 0.000 | 7743.466 | 28.244 | 0.000 | 27.928 | 0.000 | 10.747 | 0.000 | 0.000 | 28.244 | 27.928 | 90.830 | XOM_R2OWSG MWD+IFR1+MS |
| 7900.000 | 0.000 | 0.000 | 7843.466 | 28.594 | 0.000 | 28.278 | 0.000 | 10.928 | 0.000 | 0.000 | 28.594 | 28.278 | 90.690 | XOM_R2OWSG MWD+IFR1+MS |
| 8000.000 | 0.000 | 0.000 | 7943.466 | 28.943 | 0.000 | 28.628 | 0.000 | 11.111 | 0.000 | 0.000 | 28.943 | 28.628 | 90.553 | XOM_R2OWSG MWD+IFR1+MS |
| 8100.000 | 0.000 | 0.000 | 8043.466 | 29.293 | 0.000 | 28.979 | 0.000 | 11.298 | 0.000 | 0.000 | 29.293 | 28.979 | 90.420 | XOM_R2OWSG MWD+IFR1+MS |
| 8200.000 | 0.000 | 0.000 | 8143.466 | 29.644 | 0.000 | 29.329 | 0.000 | 11.487 | 0.000 | 0.000 | 29.644 | 29.329 | 90.289 | XOM_R2OWSG MWD+IFR1+MS |
| 8300.000 | 0.000 | 0.000 | 8243.466 | 29.994 | 0.000 | 29.680 | 0.000 | 11.679 | 0.000 | 0.000 | 29.994 | 29.680 | 90.161 | XOM_R2OWSG MWD+IFR1+MS |
| 8400.000 | 0.000 | 0.000 | 8343.466 | 30.344 | 0.000 | 30.031 | 0.000 | 11.875 | 0.000 | 0.000 | 30.344 | 30.031 | 90.035 | XOM_R2OWSG MWD+IFR1+MS |
| 8500.000 | 0.000 | 0.000 | 8443.466 | 30.695 | 0.000 | 30.382 | 0.000 | 12.073 | 0.000 | 0.000 | 30.695 | 30.382 | 89.913 | XOM_R2OWSG MWD+IFR1+MS |
| 8600.000 | 0.000 | 0.000 | 8543.466 | 31.046 | 0.000 | 30.733 | 0.000 | 12.274 | 0.000 | 0.000 | 31.046 | 30.733 | 89.793 | XOM_R2OWSG MWD+IFR1+MS |
| 8700.000 | 0.000 | 0.000 | 8643.466 | 31.397 | 0.000 | 31.084 | 0.000 | 12.478 | 0.000 | 0.000 | 31.397 | 31.084 | 89.675 | XOM_R2OWSG MWD+IFR1+MS |
| 8800.000 | 0.000 | 0.000 | 8743.466 | 31.749 | 0.000 | 31.436 | 0.000 | 12.685 | 0.000 | 0.000 | 31.749 | 31.436 | 89.560 | XOM_R2OWSG MWD+IFR1+MS |
| 8900.000 | 0.000 | 0.000 | 8843.466 | 32.100 | 0.000 | 31.788 | 0.000 | 12.895 | 0.000 | 0.000 | 32.100 | 31.788 | 89.447 | XOM_R2OWSG MWD+IFR1+MS |
| 9000.000 | 0.000 | 0.000 | 8943.466 | 32.452 | 0.000 | 32.139 | 0.000 | 13.108 | 0.000 | 0.000 | 32.452 | 32.139 | 89.337 | XOM_R2OWSG MWD+IFR1+MS |
| 9100.000 | 0.000 | 0.000 | 9043.466 | 32.803 | 0.000 | 32.491 | 0.000 | 13.323 | 0.000 | 0.000 | 32.803 | 32.491 | 89.228 | XOM_R2OWSG MWD+IFR1+MS |
| 9200.000 | 0.000 | 0.000 | 9143.466 | 33.155 | 0.000 | 32.844 | 0.000 | 13.542 | 0.000 | 0.000 | 33.155 | 32.843 | 89.122 | XOM_R2OWSG MWD+IFR1+MS |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9300.000 | 0.000 | 0.000 | 9243.466 | 33.507 | 0.000 | 33.196 | 0.000 | 13.764 | 0.000 | 0.000 | 33.507 | 33.196 | 89.018 | XOM_R2OWSG MWD+IFR1+MS |
| 9400.000 | 0.000 | 0.000 | 9343.466 | 33.859 | 0.000 | 33.548 | 0.000 | 13.989 | 0.000 | 0.000 | 33.859 | 33.548 | 88.916 | XOM_R2OWSG MWD+IFR1+MS |
| 9500.000 | 0.000 | 0.000 | 9443.466 | 34.212 | 0.000 | 33.901 | 0.000 | 14.217 | 0.000 | 0.000 | 34.212 | 33.901 | 88.816 | XOM_R2OWSG MWD+IFR1+MS |
| 9600.000 | 0.000 | 0.000 | 9543.466 | 34.564 | 0.000 | 34.253 | 0.000 | 14.448 | 0.000 | 0.000 | 34.564 | 34.253 | 88.718 | XOM_R2OWSG MWD+IFR1+MS |
| 9700.000 | 0.000 | 0.000 | 9643.466 | 34.917 | 0.000 | 34.606 | 0.000 | 14.682 | 0.000 | 0.000 | 34.917 | 34.606 | 88.622 | XOM_R2OWSG MWD+IFR1+MS |
| 9800.000 | 0.000 | 0.000 | 9743.466 | 35.269 | 0.000 | 34.959 | 0.000 | 14.919 | 0.000 | 0.000 | 35.269 | 34.959 | 88.527 | XOM_R2OWSG MWD+IFR1+MS |
| 9900.000 | 0.000 | 0.000 | 9843.466 | 35.622 | 0.000 | 35.312 | 0.000 | 15.159 | 0.000 | 0.000 | 35.622 | 35.312 | 88.435 | XOM_R2OWSG MWD+IFR1+MS |
| 10000.000 | 0.000 | 0.000 | 9943.466 | 35.975 | 0.000 | 35.665 | 0.000 | 15.402 | 0.000 | 0.000 | 35.975 | 35.665 | 88.344 | XOM_R2OWSG MWD+IFR1+MS |
| 10100.000 | 0.000 | 0.000 | 10043.466 | 36.328 | 0.000 | 36.018 | 0.000 | 15.648 | 0.000 | 0.000 | 36.328 | 36.018 | 88.254 | XOM_R2OWSG MWD+IFR1+MS |
| 10200.000 | 0.000 | 0.000 | 10143.466 | 36.681 | 0.000 | 36.372 | 0.000 | 15.897 | 0.000 | 0.000 | 36.681 | 36.371 | 88.167 | XOM_R2OWSG MWD+IFR1+MS |
| 10251.337 | 0.000 | 0.000 | 10194.803 | 36.862 | 0.000 | 36.553 | 0.000 | 16.026 | 0.000 | 0.000 | 36.863 | 36.553 | 88.122 | XOM_R2OWSG MWD+IFR1+MS |
| 10300.000 | 3.893 | 180.010 | 10243.429 | 36.800 | -0.000 | 36.716 | 0.000 | 16.148 | 0.000 | 0.000 | 37.024 | 36.716 | 88.038 | XOM_R2OWSG MWD+IFR1+MS |
| 10400.000 | 11.893 | 180.010 | 10342.401 | 36.210 | -0.000 | 37.022 | 0.000 | 16.390 | 0.000 | 0.000 | 37.320 | 37.021 | 87.667 | XOM_R2OWSG MWD+IFR1+MS |
| 10500.000 | 19.893 | 180.010 | 10438.500 | 35.042 | -0.000 | 37.308 | 0.000 | 16.616 | 0.000 | 0.000 | 37.588 | 37.307 | 87.064 | XOM_R2OWSG MWD+IFR1+MS |
| 10600.000 | 27.893 | 180.010 | 10529.856 | 33.340 | -0.000 | 37.570 | 0.000 | 16.825 | 0.000 | 0.000 | 37.820 | 37.568 | 86.173 | XOM_R2OWSG MWD+IFR1+MS |
| 10700.000 | 35.893 | 180.010 | 10614.691 | 31.173 | -0.000 | 37.805 | 0.000 | 17.016 | 0.000 | 0.000 | 38.014 | 37.804 | 84.855 | XOM_R2OWSG MWD+IFR1+MS |
| 10800.000 | 43.893 | 180.010 | 10691.353 | 28.644 | -0.000 | 38.013 | 0.000 | 17.192 | 0.000 | 0.000 | 38.167 | 38.010 | 82.703 | XOM_R2OWSG MWD+IFR1+MS |
| 10900.000 | 51.893 | 180.010 | 10758.350 | 25.895 | -0.000 | 38.191 | 0.000 | 17.359 | 0.000 | 0.000 | 38.281 | 38.187 | 78.088 | XOM_R2OWSG MWD+IFR1+MS |
| 11000.000 | 59.893 | 180.010 | 10814.378 | 23.131 | -0.000 | 38.340 | 0.000 | 17.523 | 0.000 | 0.000 | 38.364 | 38.330 | 56.799 | XOM_R2OWSG MWD+IFR1+MS |
| 11100.000 | 67.893 | 180.010 | 10858.347 | 20.637 | -0.000 | 38.459 | 0.000 | 17.694 | 0.000 | 0.000 | 38.461 | 38.399 | 9.387 | XOM_R2OWSG MWD+IFR1+MS |

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| 11200.000 | 75.893 | 180.010 | 10889.401 | 18.791 | -0.000 | 38.548 | 0.000 | 17.879 | 0.000 | 0.000 | 38.548 | 38.423 | 0.447 | XOM_R2OWSG MWD+IFR1+MS |
| 11300.000 | 83.893 | 180.010 | 10906.936 | 17.994 | -0.000 | 38.606 | 0.000 | 18.081 | 0.000 | 0.000 | 38.607 | 38.430 | -3.694 | XOM_R2OWSG MWD+IFR1+MS |
| 11376.337 | 90.000 | 180.010 | 10911.000 | 18.249 | 0.000 | 38.629 | 0.000 | 18.249 | 0.000 | 0.000 | 38.632 | 38.432 | -6.618 | XOM_R2OWSG MWD+IFR1+MS |
| 11400.000 | 90.000 | 180.010 | 10911.000 | 18.304 | 0.000 | 38.634 | 0.000 | 18.304 | 0.000 | 0.000 | 38.637 | 38.432 | -7.567 | XOM_R2OWSG MWD+IFR1+MS |
| 11500.000 | 90.000 | 180.010 | 10911.000 | 18.554 | 0.000 | 38.664 | 0.000 | 18.554 | 0.000 | 0.000 | 38.672 | 38.430 | -10.471 | XOM_R2OWSG MWD+IFR1+MS |
| 11600.000 | 90.000 | 180.010 | 10911.000 | 18.834 | 0.000 | 38.710 | 0.000 | 18.834 | 0.000 | 0.000 | 38.722 | 38.430 | -11.997 | XOM_R2OWSG MWD+IFR1+MS |
| 11700.000 | 90.000 | 180.010 | 10911.000 | 19.142 | 0.000 | 38.771 | 0.000 | 19.142 | 0.000 | 0.000 | 38.787 | 38.430 | -12.555 | XOM_R2OWSG MWD+IFR1+MS |
| 11800.000 | 90.000 | 180.010 | 10911.000 | 19.476 | 0.000 | 38.846 | 0.000 | 19.476 | 0.000 | 0.000 | 38.866 | 38.432 | -12.526 | XOM_R2OWSG MWD+IFR1+MS |
| 11900.000 | 90.000 | 180.010 | 10911.000 | 19.836 | 0.000 | 38.937 | 0.000 | 19.836 | 0.000 | 0.000 | 38.960 | 38.435 | -12.172 | XOM_R2OWSG MWD+IFR1+MS |
| 12000.000 | 90.000 | 180.010 | 10911.000 | 20.220 | 0.000 | 39.042 | 0.000 | 20.220 | 0.000 | 0.000 | 39.067 | 38.439 | -11.657 | XOM_R2OWSG MWD+IFR1+MS |
| 12100.000 | 90.000 | 180.010 | 10911.000 | 20.627 | 0.000 | 39.162 | 0.000 | 20.627 | 0.000 | 0.000 | 39.189 | 38.444 | -11.076 | XOM_R2OWSG MWD+IFR1+MS |
| 12200.000 | 90.000 | 180.010 | 10911.000 | 21.055 | 0.000 | 39.296 | 0.000 | 21.055 | 0.000 | 0.000 | 39.325 | 38.450 | -10.482 | XOM_R2OWSG MWD+IFR1+MS |
| 12300.000 | 90.000 | 180.010 | 10911.000 | 21.503 | 0.000 | 39.445 | 0.000 | 21.503 | 0.000 | 0.000 | 39.475 | 38.458 | -9.904 | XOM_R2OWSG MWD+IFR1+MS |
| 12400.000 | 90.000 | 180.010 | 10911.000 | 21.970 | 0.000 | 39.608 | 0.000 | 21.970 | 0.000 | 0.000 | 39.638 | 38.466 | -9.356 | XOM_R2OWSG MWD+IFR1+MS |
| 12500.000 | 90.000 | 180.010 | 10911.000 | 22.455 | 0.000 | 39.785 | 0.000 | 22.455 | 0.000 | 0.000 | 39.816 | 38.475 | -8.845 | XOM_R2OWSG MWD+IFR1+MS |
| 12600.000 | 90.000 | 180.010 | 10911.000 | 22.957 | 0.000 | 39.975 | 0.000 | 22.957 | 0.000 | 0.000 | 40.007 | 38.485 | -8.371 | XOM_R2OWSG MWD+IFR1+MS |
| 12700.000 | 90.000 | 180.010 | 10911.000 | 23.474 | 0.000 | 40.180 | 0.000 | 23.474 | 0.000 | 0.000 | 40.212 | 38.496 | -7.935 | XOM_R2OWSG MWD+IFR1+MS |
| 12800.000 | 90.000 | 180.010 | 10911.000 | 24.005 | 0.000 | 40.398 | 0.000 | 24.005 | 0.000 | 0.000 | 40.430 | 38.507 | -7.534 | XOM_R2OWSG MWD+IFR1+MS |
| 12900.000 | 90.000 | 180.010 | 10911.000 | 24.550 | 0.000 | 40.629 | 0.000 | 24.550 | 0.000 | 0.000 | 40.661 | 38.519 | -7.165 | XOM_R2OWSG MWD+IFR1+MS |
| 13000.000 | 90.000 | 180.010 | 10911.000 | 25.108 | 0.000 | 40.873 | 0.000 | 25.108 | 0.000 | 0.000 | 40.905 | 38.532 | -6.827 | XOM_R2OWSG MWD+IFR1+MS |

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| 13100.000 | 90.000 | 180.010 | 10911.000 | 25.678 | 0.000 | 41.130 | 0.000 | 25.678 | 0.000 | 0.000 | 41.162 | 38.546 | -6.515 | XOM_R2OWSG MWD+IFR1+MS |
| 13200.000 | 90.000 | 180.010 | 10911.000 | 26.259 | 0.000 | 41.399 | 0.000 | 26.259 | 0.000 | 0.000 | 41.432 | 38.560 | -6.227 | XOM_R2OWSG MWD+IFR1+MS |
| 13300.000 | 90.000 | 180.010 | 10911.000 | 26.850 | 0.000 | 41.681 | 0.000 | 26.850 | 0.000 | 0.000 | 41.713 | 38.575 | -5.962 | XOM_R2OWSG MWD+IFR1+MS |
| 13400.000 | 90.000 | 180.010 | 10911.000 | 27.451 | 0.000 | 41.974 | 0.000 | 27.451 | 0.000 | 0.000 | 42.007 | 38.591 | -5.717 | XOM_R2OWSG MWD+IFR1+MS |
| 13500.000 | 90.000 | 180.010 | 10911.000 | 28.061 | 0.000 | 42.280 | 0.000 | 28.061 | 0.000 | 0.000 | 42.312 | 38.607 | -5.489 | XOM_R2OWSG MWD+IFR1+MS |
| 13600.000 | 90.000 | 180.010 | 10911.000 | 28.679 | 0.000 | 42.597 | 0.000 | 28.679 | 0.000 | 0.000 | 42.629 | 38.624 | -5.278 | XOM_R2OWSG MWD+IFR1+MS |
| 13700.000 | 90.000 | 180.010 | 10911.000 | 29.305 | 0.000 | 42.925 | 0.000 | 29.305 | 0.000 | 0.000 | 42.957 | 38.642 | -5.082 | XOM_R2OWSG MWD+IFR1+MS |
| 13800.000 | 90.000 | 180.010 | 10911.000 | 29.939 | 0.000 | 43.264 | 0.000 | 29.939 | 0.000 | 0.000 | 43.296 | 38.661 | -4.898 | XOM_R2OWSG MWD+IFR1+MS |
| 13900.000 | 90.000 | 180.010 | 10911.000 | 30.580 | 0.000 | 43.614 | 0.000 | 30.580 | 0.000 | 0.000 | 43.646 | 38.680 | -4.727 | XOM_R2OWSG MWD+IFR1+MS |
| 14000.000 | 90.000 | 180.010 | 10911.000 | 31.228 | 0.000 | 43.974 | 0.000 | 31.228 | 0.000 | 0.000 | 44.006 | 38.699 | -4.567 | XOM_R2OWSG MWD+IFR1+MS |
| 14100.000 | 90.000 | 180.010 | 10911.000 | 31.881 | 0.000 | 44.345 | 0.000 | 31.881 | 0.000 | 0.000 | 44.377 | 38.720 | -4.417 | XOM_R2OWSG MWD+IFR1+MS |
| 14200.000 | 90.000 | 180.010 | 10911.000 | 32.541 | 0.000 | 44.726 | 0.000 | 32.541 | 0.000 | 0.000 | 44.757 | 38.741 | -4.276 | XOM_R2OWSG MWD+IFR1+MS |
| 14300.000 | 90.000 | 180.010 | 10911.000 | 33.206 | 0.000 | 45.116 | 0.000 | 33.206 | 0.000 | 0.000 | 45.148 | 38.763 | -4.144 | XOM_R2OWSG MWD+IFR1+MS |
| 14400.000 | 90.000 | 180.010 | 10911.000 | 33.876 | 0.000 | 45.516 | 0.000 | 33.876 | 0.000 | 0.000 | 45.547 | 38.785 | -4.019 | XOM_R2OWSG MWD+IFR1+MS |
| 14500.000 | 90.000 | 180.010 | 10911.000 | 34.550 | 0.000 | 45.926 | 0.000 | 34.550 | 0.000 | 0.000 | 45.956 | 38.808 | -3.901 | XOM_R2OWSG MWD+IFR1+MS |
| 14600.000 | 90.000 | 180.010 | 10911.000 | 35.230 | 0.000 | 46.344 | 0.000 | 35.230 | 0.000 | 0.000 | 46.374 | 38.832 | -3.790 | XOM_R2OWSG MWD+IFR1+MS |
| 14700.000 | 90.000 | 180.010 | 10911.000 | 35.913 | 0.000 | 46.771 | 0.000 | 35.913 | 0.000 | 0.000 | 46.801 | 38.856 | -3.684 | XOM_R2OWSG MWD+IFR1+MS |
| 14800.000 | 90.000 | 180.010 | 10911.000 | 36.601 | 0.000 | 47.206 | 0.000 | 36.601 | 0.000 | 0.000 | 47.236 | 38.881 | -3.585 | XOM_R2OWSG MWD+IFR1+MS |
| 14900.000 | 90.000 | 180.010 | 10911.000 | 37.293 | 0.000 | 47.650 | 0.000 | 37.293 | 0.000 | 0.000 | 47.680 | 38.907 | -3.490 | XOM_R2OWSG MWD+IFR1+MS |
| 15000.000 | 90.000 | 180.010 | 10911.000 | 37.988 | 0.000 | 48.102 | 0.000 | 37.988 | 0.000 | 0.000 | 48.131 | 38.933 | -3.400 | XOM_R2OWSG MWD+IFR1+MS |

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| 15100.000 | 90.000 | 180.010 | 10911.000 | 38.687 | 0.000 | 48.561 | 0.000 | 38.687 | 0.000 | 0.000 | 48.590 | 38.960 | -3.314 | XOM_R2OWSG MWD+IFR1+MS |
| 15200.000 | 90.000 | 180.010 | 10911.000 | 39.388 | 0.000 | 49.029 | 0.000 | 39.388 | 0.000 | 0.000 | 49.057 | 38.988 | -3.233 | XOM_R2OWSG MWD+IFR1+MS |
| 15300.000 | 90.000 | 180.010 | 10911.000 | 40.093 | 0.000 | 49.503 | 0.000 | 40.093 | 0.000 | 0.000 | 49.532 | 39.016 | -3.155 | XOM_R2OWSG MWD+IFR1+MS |
| 15400.000 | 90.000 | 180.010 | 10911.000 | 40.801 | 0.000 | 49.985 | 0.000 | 40.801 | 0.000 | 0.000 | 50.013 | 39.045 | -3.081 | XOM_R2OWSG MWD+IFR1+MS |
| 15500.000 | 90.000 | 180.010 | 10911.000 | 41.512 | 0.000 | 50.474 | 0.000 | 41.512 | 0.000 | 0.000 | 50.502 | 39.074 | -3.010 | XOM_R2OWSG MWD+IFR1+MS |
| 15600.000 | 90.000 | 180.010 | 10911.000 | 42.225 | 0.000 | 50.969 | 0.000 | 42.225 | 0.000 | 0.000 | 50.997 | 39.104 | -2.943 | XOM_R2OWSG MWD+IFR1+MS |
| 15700.000 | 90.000 | 180.010 | 10911.000 | 42.941 | 0.000 | 51.471 | 0.000 | 42.941 | 0.000 | 0.000 | 51.499 | 39.135 | -2.878 | XOM_R2OWSG MWD+IFR1+MS |
| 15800.000 | 90.000 | 180.010 | 10911.000 | 43.659 | 0.000 | 51.980 | 0.000 | 43.659 | 0.000 | 0.000 | 52.007 | 39.166 | -2.816 | XOM_R2OWSG MWD+IFR1+MS |
| 15900.000 | 90.000 | 180.010 | 10911.000 | 44.379 | 0.000 | 52.495 | 0.000 | 44.379 | 0.000 | 0.000 | 52.522 | 39.199 | -2.757 | XOM_R2OWSG MWD+IFR1+MS |
| 16000.000 | 90.000 | 180.010 | 10911.000 | 45.102 | 0.000 | 53.015 | 0.000 | 45.102 | 0.000 | 0.000 | 53.042 | 39.231 | -2.700 | XOM_R2OWSG MWD+IFR1+MS |
| 16100.000 | 90.000 | 180.010 | 10911.000 | 45.827 | 0.000 | 53.542 | 0.000 | 45.827 | 0.000 | 0.000 | 53.569 | 39.265 | -2.645 | XOM_R2OWSG MWD+IFR1+MS |
| 16200.000 | 90.000 | 180.010 | 10911.000 | 46.553 | 0.000 | 54.074 | 0.000 | 46.553 | 0.000 | 0.000 | 54.101 | 39.298 | -2.592 | XOM_R2OWSG MWD+IFR1+MS |
| 16300.000 | 90.000 | 180.010 | 10911.000 | 47.281 | 0.000 | 54.612 | 0.000 | 47.281 | 0.000 | 0.000 | 54.638 | 39.333 | -2.542 | XOM_R2OWSG MWD+IFR1+MS |
| 16400.000 | 90.000 | 180.010 | 10911.000 | 48.012 | 0.000 | 55.155 | 0.000 | 48.012 | 0.000 | 0.000 | 55.181 | 39.368 | -2.493 | XOM_R2OWSG MWD+IFR1+MS |
| 16500.000 | 90.000 | 180.010 | 10911.000 | 48.744 | 0.000 | 55.704 | 0.000 | 48.744 | 0.000 | 0.000 | 55.729 | 39.404 | -2.446 | XOM_R2OWSG MWD+IFR1+MS |
| 16600.000 | 90.000 | 180.010 | 10911.000 | 49.477 | 0.000 | 56.257 | 0.000 | 49.477 | 0.000 | 0.000 | 56.282 | 39.440 | -2.401 | XOM_R2OWSG MWD+IFR1+MS |
| 16700.000 | 90.000 | 180.010 | 10911.000 | 50.212 | 0.000 | 56.815 | 0.000 | 50.212 | 0.000 | 0.000 | 56.840 | 39.478 | -2.358 | XOM_R2OWSG MWD+IFR1+MS |
| 16800.000 | 90.000 | 180.010 | 10911.000 | 50.949 | 0.000 | 57.378 | 0.000 | 50.949 | 0.000 | 0.000 | 57.403 | 39.515 | -2.316 | XOM_R2OWSG MWD+IFR1+MS |
| 16900.000 | 90.000 | 180.010 | 10911.000 | 51.687 | 0.000 | 57.946 | 0.000 | 51.687 | 0.000 | 0.000 | 57.970 | 39.553 | -2.275 | XOM_R2OWSG MWD+IFR1+MS |
| 17000.000 | 90.000 | 180.010 | 10911.000 | 52.426 | 0.000 | 58.518 | 0.000 | 52.426 | 0.000 | 0.000 | 58.542 | 39.592 | -2.236 | XOM_R2OWSG MWD+IFR1+MS |

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| 17100.000 | 90.000 | 180.010 | 10911.000 | 53.166 | 0.000 | 59.094 | 0.000 | 53.166 | 0.000 | 0.000 | 59.118 | 39.632 | -2.198 | XOM_R2OWSG MWD+IFR1+MS |
| 17200.000 | 90.000 | 180.010 | 10911.000 | 53.908 | 0.000 | 59.675 | 0.000 | 53.908 | 0.000 | 0.000 | 59.699 | 39.672 | -2.161 | XOM_R2OWSG MWD+IFR1+MS |
| 17300.000 | 90.000 | 180.010 | 10911.000 | 54.651 | 0.000 | 60.260 | 0.000 | 54.651 | 0.000 | 0.000 | 60.283 | 39.713 | -2.126 | XOM_R2OWSG MWD+IFR1+MS |
| 17400.000 | 90.000 | 180.010 | 10911.000 | 55.396 | 0.000 | 60.849 | 0.000 | 55.396 | 0.000 | 0.000 | 60.872 | 39.754 | -2.091 | XOM_R2OWSG MWD+IFR1+MS |
| 17500.000 | 90.000 | 180.010 | 10911.000 | 56.141 | 0.000 | 61.441 | 0.000 | 56.141 | 0.000 | 0.000 | 61.464 | 39.796 | -2.058 | XOM_R2OWSG MWD+IFR1+MS |
| 17600.000 | 90.000 | 180.010 | 10911.000 | 56.887 | 0.000 | 62.038 | 0.000 | 56.887 | 0.000 | 0.000 | 62.061 | 39.839 | -2.026 | XOM_R2OWSG MWD+IFR1+MS |
| 17700.000 | 90.000 | 180.010 | 10911.000 | 57.635 | 0.000 | 62.638 | 0.000 | 57.635 | 0.000 | 0.000 | 62.660 | 39.882 | -1.995 | XOM_R2OWSG MWD+IFR1+MS |
| 17800.000 | 90.000 | 180.010 | 10911.000 | 58.383 | 0.000 | 63.241 | 0.000 | 58.383 | 0.000 | 0.000 | 63.264 | 39.925 | -1.964 | XOM_R2OWSG MWD+IFR1+MS |
| 17900.000 | 90.000 | 180.010 | 10911.000 | 59.132 | 0.000 | 63.848 | 0.000 | 59.132 | 0.000 | 0.000 | 63.871 | 39.970 | -1.935 | XOM_R2OWSG MWD+IFR1+MS |
| 18000.000 | 90.000 | 180.010 | 10911.000 | 59.883 | 0.000 | 64.459 | 0.000 | 59.883 | 0.000 | 0.000 | 64.481 | 40.015 | -1.906 | XOM_R2OWSG MWD+IFR1+MS |
| 18100.000 | 90.000 | 180.010 | 10911.000 | 60.634 | 0.000 | 65.072 | 0.000 | 60.634 | 0.000 | 0.000 | 65.094 | 40.060 | -1.879 | XOM_R2OWSG MWD+IFR1+MS |
| 18200.000 | 90.000 | 180.010 | 10911.000 | 61.386 | 0.000 | 65.689 | 0.000 | 61.386 | 0.000 | 0.000 | 65.711 | 40.106 | -1.852 | XOM_R2OWSG MWD+IFR1+MS |
| 18300.000 | 90.000 | 180.010 | 10911.000 | 62.138 | 0.000 | 66.309 | 0.000 | 62.138 | 0.000 | 0.000 | 66.330 | 40.153 | -1.826 | XOM_R2OWSG MWD+IFR1+MS |
| 18400.000 | 90.000 | 180.010 | 10911.000 | 62.892 | 0.000 | 66.932 | 0.000 | 62.892 | 0.000 | 0.000 | 66.953 | 40.200 | -1.800 | XOM_R2OWSG MWD+IFR1+MS |
| 18500.000 | 90.000 | 180.010 | 10911.000 | 63.646 | 0.000 | 67.557 | 0.000 | 63.646 | 0.000 | 0.000 | 67.579 | 40.248 | -1.775 | XOM_R2OWSG MWD+IFR1+MS |
| 18600.000 | 90.000 | 180.010 | 10911.000 | 64.401 | 0.000 | 68.186 | 0.000 | 64.401 | 0.000 | 0.000 | 68.207 | 40.297 | -1.751 | XOM_R2OWSG MWD+IFR1+MS |
| 18700.000 | 90.000 | 180.010 | 10911.000 | 65.157 | 0.000 | 68.817 | 0.000 | 65.157 | 0.000 | 0.000 | 68.838 | 40.346 | -1.728 | XOM_R2OWSG MWD+IFR1+MS |
| 18800.000 | 90.000 | 180.010 | 10911.000 | 65.913 | 0.000 | 69.451 | 0.000 | 65.913 | 0.000 | 0.000 | 69.472 | 40.395 | -1.705 | XOM_R2OWSG MWD+IFR1+MS |
| 18900.000 | 90.000 | 180.010 | 10911.000 | 66.670 | 0.000 | 70.088 | 0.000 | 66.670 | 0.000 | 0.000 | 70.108 | 40.445 | -1.683 | XOM_R2OWSG MWD+IFR1+MS |
| 19000.000 | 90.000 | 180.010 | 10911.000 | 67.428 | 0.000 | 70.727 | 0.000 | 67.428 | 0.000 | 0.000 | 70.747 | 40.496 | -1.661 | XOM_R2OWSG MWD+IFR1+MS |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19100.000 | 90.000 | 180.010 | 10911.000 | 68.186 | 0.000 | 71.369 | 0.000 | 68.186 | 0.000 | 0.000 | 71.389 | 40.547 | -1.640 | XOM_R2OWSG MWD+IFR1+MS |
| 19200.000 | 90.000 | 180.010 | 10911.000 | 68.945 | 0.000 | 72.013 | 0.000 | 68.945 | 0.000 | 0.000 | 72.032 | 40.599 | -1.619 | XOM_R2OWSG MWD+IFR1+MS |
| 19226.340 | 90.000 | 180.010 | 10911.000 | 69.145 | 0.000 | 72.182 | 0.000 | 69.145 | 0.000 | 0.000 | 72.202 | 40.613 | -1.614 | XOM_R2OWSG MWD+IFR1+MS |
| 19300.000 | 90.000 | 178.537 | 10911.000 | 69.705 | 0.000 | 72.678 | -0.000 | 69.705 | 0.000 | 0.000 | 72.679 | 40.652 | -1.605 | XOM_R2OWSG MWD+IFR1+MS |
| 19400.000 | 90.000 | 176.537 | 10911.000 | 70.465 | 0.000 | 73.304 | -0.000 | 70.465 | 0.000 | 0.000 | 73.331 | 40.705 | -1.613 | XOM_R2OWSG MWD+IFR1+MS |
| 19500.000 | 90.000 | 174.537 | 10911.000 | 71.225 | 0.000 | 73.873 | -0.000 | 71.225 | 0.000 | 0.000 | 73.987 | 40.758 | -1.645 | XOM_R2OWSG MWD+IFR1+MS |
| 19552.789 | 90.000 | 173.481 | 10911.000 | 71.627 | 0.000 | 74.149 | -0.000 | 71.627 | 0.000 | 0.000 | 74.335 | 40.787 | -1.671 | XOM_R2OWSG MWD+IFR1+MS |
| 19600.000 | 90.000 | 173.481 | 10911.000 | 71.987 | 0.000 | 74.461 | -0.000 | 71.987 | 0.000 | 0.000 | 74.646 | 40.812 | -1.698 | XOM_R2OWSG MWD+IFR1+MS |
| 19700.000 | 90.000 | 173.481 | 10911.000 | 72.748 | 0.000 | 75.124 | -0.000 | 72.748 | 0.000 | 0.000 | 75.308 | 40.867 | -1.756 | XOM_R2OWSG MWD+IFR1+MS |
| 19800.000 | 90.000 | 173.481 | 10911.000 | 73.510 | 0.000 | 75.790 | -0.000 | 73.510 | 0.000 | 0.000 | 75.972 | 40.922 | -1.813 | XOM_R2OWSG MWD+IFR1+MS |
| 19900.000 | 90.000 | 173.481 | 10911.000 | 74.273 | 0.000 | 76.458 | -0.000 | 74.273 | 0.000 | 0.000 | 76.639 | 40.978 | -1.868 | XOM_R2OWSG MWD+IFR1+MS |
| 20000.000 | 90.000 | 173.481 | 10911.000 | 75.036 | 0.000 | 77.129 | -0.000 | 75.036 | 0.000 | 0.000 | 77.307 | 41.034 | -1.922 | XOM_R2OWSG MWD+IFR1+MS |
| 20100.000 | 90.000 | 173.481 | 10911.000 | 75.799 | 0.000 | 77.801 | -0.000 | 75.799 | 0.000 | 0.000 | 77.978 | 41.091 | -1.975 | XOM_R2OWSG MWD+IFR1+MS |
| 20200.000 | 90.000 | 173.481 | 10911.000 | 76.563 | 0.000 | 78.475 | -0.000 | 76.563 | 0.000 | 0.000 | 78.651 | 41.148 | -2.027 | XOM_R2OWSG MWD+IFR1+MS |
| 20300.000 | 90.000 | 173.481 | 10911.000 | 77.327 | 0.000 | 79.152 | -0.000 | 77.327 | 0.000 | 0.000 | 79.325 | 41.206 | -2.077 | XOM_R2OWSG MWD+IFR1+MS |
| 20400.000 | 90.000 | 173.481 | 10911.000 | 78.092 | 0.000 | 79.830 | -0.000 | 78.092 | 0.000 | 0.000 | 80.002 | 41.264 | -2.127 | XOM_R2OWSG MWD+IFR1+MS |
| 20500.000 | 90.000 | 173.481 | 10911.000 | 78.857 | 0.000 | 80.510 | -0.000 | 78.857 | 0.000 | 0.000 | 80.681 | 41.323 | -2.175 | XOM_R2OWSG MWD+IFR1+MS |
| 20600.000 | 90.000 | 173.481 | 10911.000 | 79.623 | 0.000 | 81.192 | -0.000 | 79.623 | 0.000 | 0.000 | 81.361 | 41.383 | -2.222 | XOM_R2OWSG MWD+IFR1+MS |
| 20700.000 | 90.000 | 173.481 | 10911.000 | 80.389 | 0.000 | 81.875 | -0.000 | 80.389 | 0.000 | 0.000 | 82.043 | 41.443 | -2.269 | XOM_R2OWSG MWD+IFR1+MS |
| 20800.000 | 90.000 | 173.481 | 10911.000 | 81.155 | 0.000 | 82.561 | -0.000 | 81.155 | 0.000 | 0.000 | 82.727 | 41.503 | -2.314 | XOM_R2OWSG MWD+IFR1+MS |

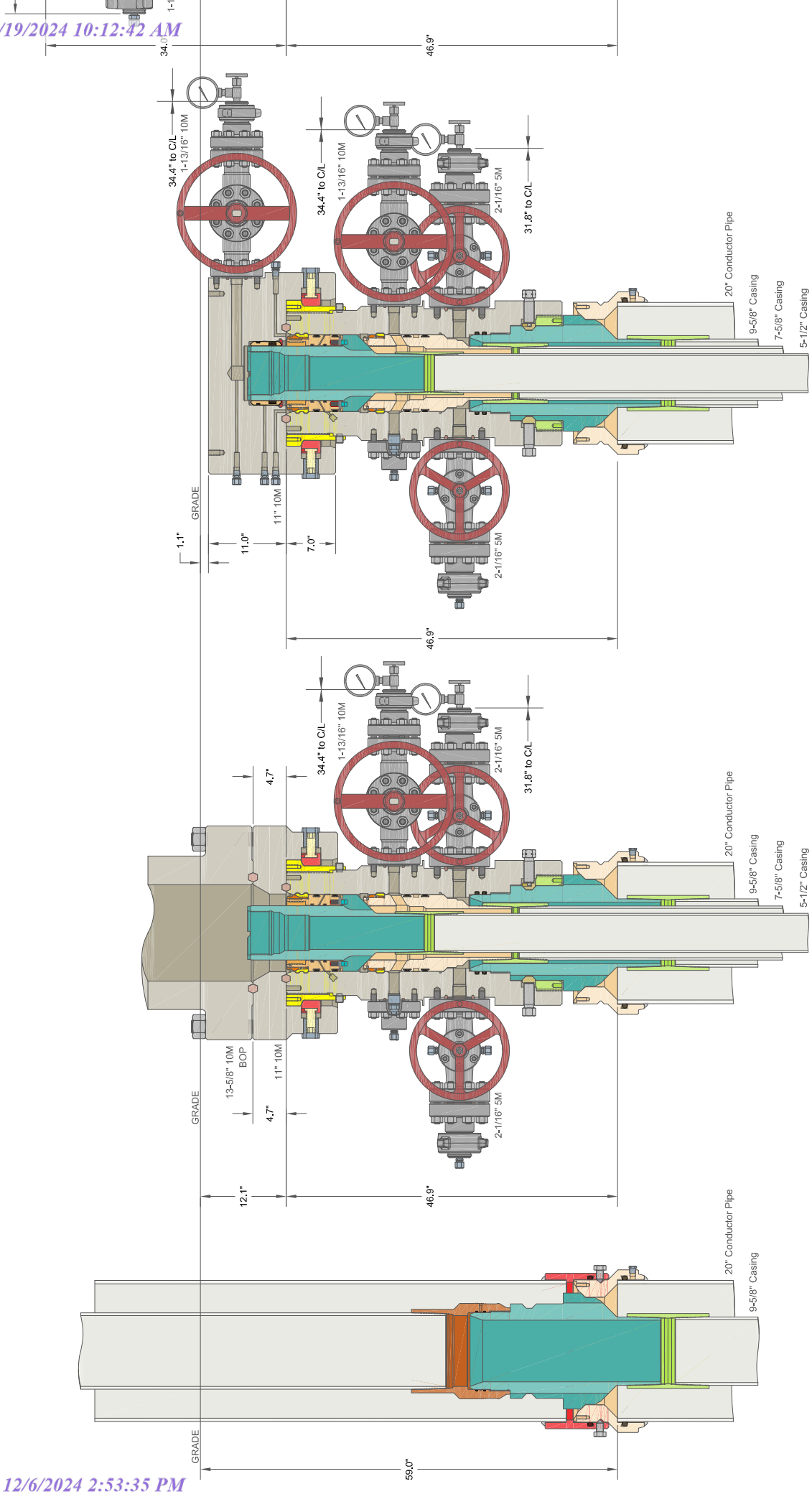
| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20900.000 | 90.000 | 173.481 | 10911.000 | 81.921 | 0.000 | 83.248 | -0.000 | 81.921 | 0.000 | 0.000 | 83.413 | 41.565 | -2.358 | XOM_R2OWSG MWD+IFR1+MS |
| 21000.000 | 90.000 | 173.481 | 10911.000 | 82.688 | 0.000 | 83.937 | -0.000 | 82.688 | 0.000 | 0.000 | 84.100 | 41.626 | -2.402 | XOM_R2OWSG MWD+IFR1+MS |
| 21100.000 | 90.000 | 173.481 | 10911.000 | 83.456 | 0.000 | 84.627 | -0.000 | 83.456 | 0.000 | 0.000 | 84.789 | 41.688 | -2.445 | XOM_R2OWSG MWD+IFR1+MS |
| 21200.000 | 90.000 | 173.481 | 10911.000 | 84.223 | 0.000 | 85.319 | -0.000 | 84.223 | 0.000 | 0.000 | 85.480 | 41.751 | -2.486 | XOM_R2OWSG MWD+IFR1+MS |
| 21222.939 | 90.000 | 173.481 | 10911.000 | 84.399 | 0.000 | 85.477 | -0.000 | 84.399 | 0.000 | 0.000 | 85.638 | 41.766 | -2.496 | XOM_R2OWSG MWD+IFR1+MS |
| 21300.000 | 90.000 | 175.022 | 10911.000 | 84.991 | 0.000 | 86.110 | -0.000 | 84.991 | 0.000 | 0.000 | 86.171 | 41.814 | -2.522 | XOM_R2OWSG MWD+IFR1+MS |
| 21400.000 | 90.000 | 177.022 | 10911.000 | 85.759 | 0.000 | 86.859 | -0.000 | 85.759 | 0.000 | 0.000 | 86.861 | 41.878 | -2.538 | XOM_R2OWSG MWD+IFR1+MS |
| 21500.000 | 90.000 | 179.022 | 10911.000 | 86.528 | 0.000 | 87.525 | -0.000 | 86.528 | 0.000 | 0.000 | 87.550 | 41.943 | -2.535 | XOM_R2OWSG MWD+IFR1+MS |
| 21549.733 | 90.000 | 180.017 | 10911.000 | 86.910 | 0.000 | 87.824 | 0.000 | 86.910 | 0.000 | 0.000 | 87.891 | 41.975 | -2.526 | XOM_R2OWSG MWD+IFR1+MS |
| 21600.000 | 90.000 | 180.017 | 10911.000 | 87.296 | 0.000 | 88.169 | 0.000 | 87.296 | 0.000 | 0.000 | 88.236 | 42.008 | -2.514 | XOM_R2OWSG MWD+IFR1+MS |
| 21700.000 | 90.000 | 180.017 | 10911.000 | 88.066 | 0.000 | 88.857 | 0.000 | 88.066 | 0.000 | 0.000 | 88.923 | 42.073 | -2.490 | XOM_R2OWSG MWD+IFR1+MS |
| 21800.000 | 90.000 | 180.017 | 10911.000 | 88.835 | 0.000 | 89.545 | 0.000 | 88.835 | 0.000 | 0.000 | 89.611 | 42.139 | -2.466 | XOM_R2OWSG MWD+IFR1+MS |
| 21900.000 | 90.000 | 180.017 | 10911.000 | 89.604 | 0.000 | 90.235 | 0.000 | 89.604 | 0.000 | 0.000 | 90.300 | 42.205 | -2.443 | XOM_R2OWSG MWD+IFR1+MS |
| 22000.000 | 90.000 | 180.017 | 10911.000 | 90.374 | 0.000 | 90.926 | 0.000 | 90.374 | 0.000 | 0.000 | 90.991 | 42.272 | -2.420 | XOM_R2OWSG MWD+IFR1+MS |
| 22100.000 | 90.000 | 180.017 | 10911.000 | 91.144 | 0.000 | 91.619 | 0.000 | 91.144 | 0.000 | 0.000 | 91.683 | 42.339 | -2.398 | XOM_R2OWSG MWD+IFR1+MS |
| 22200.000 | 90.000 | 180.017 | 10911.000 | 91.915 | 0.000 | 92.312 | 0.000 | 91.915 | 0.000 | 0.000 | 92.376 | 42.407 | -2.376 | XOM_R2OWSG MWD+IFR1+MS |
| 22300.000 | 90.000 | 180.017 | 10911.000 | 92.685 | 0.000 | 93.007 | 0.000 | 92.685 | 0.000 | 0.000 | 93.070 | 42.475 | -2.355 | XOM_R2OWSG MWD+IFR1+MS |
| 22400.000 | 90.000 | 180.017 | 10911.000 | 93.456 | 0.000 | 93.702 | 0.000 | 93.456 | 0.000 | 0.000 | 93.765 | 42.544 | -2.333 | XOM_R2OWSG MWD+IFR1+MS |
| 22500.000 | 90.000 | 180.017 | 10911.000 | 94.227 | 0.000 | 94.399 | 0.000 | 94.227 | 0.000 | 0.000 | 94.461 | 42.614 | -2.313 | XOM_R2OWSG MWD+IFR1+MS |
| 22600.000 | 90.000 | 180.017 | 10911.000 | 94.999 | 0.000 | 95.097 | 0.000 | 94.999 | 0.000 | 0.000 | 95.159 | 42.683 | -2.292 | XOM_R2OWSG MWD+IFR1+MS |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22700.000 | 90.000 | 180.017 | 10911.000 | 95.770 | 0.000 | 95.796 | 0.000 | 95.770 | 0.000 | 0.000 | 95.857 | 42.754 | -2.272 | XOM_R2OWSG MWD+IFR1+MS |
| 22800.000 | 90.000 | 180.017 | 10911.000 | 96.542 | 0.000 | 96.495 | 0.000 | 96.542 | 0.000 | 0.000 | 96.556 | 42.825 | -2.252 | XOM_R2OWSG MWD+IFR1+MS |
| 22900.000 | 90.000 | 180.017 | 10911.000 | 97.314 | 0.000 | 97.196 | 0.000 | 97.314 | 0.000 | 0.000 | 97.257 | 42.896 | -2.233 | XOM_R2OWSG MWD+IFR1+MS |
| 23000.000 | 90.000 | 180.017 | 10911.000 | 98.086 | 0.000 | 97.898 | 0.000 | 98.086 | 0.000 | 0.000 | 97.958 | 42.968 | -2.214 | XOM_R2OWSG MWD+IFR1+MS |
| 23100.000 | 90.000 | 180.017 | 10911.000 | 98.858 | 0.000 | 98.600 | 0.000 | 98.858 | 0.000 | 0.000 | 98.660 | 43.040 | -2.195 | XOM_R2OWSG MWD+IFR1+MS |
| 23200.000 | 90.000 | 180.017 | 10911.000 | 99.631 | 0.000 | 99.304 | 0.000 | 99.631 | 0.000 | 0.000 | 99.363 | 43.113 | -2.177 | XOM_R2OWSG MWD+IFR1+MS |
| 23300.000 | 90.000 | 180.017 | 10911.000 | 100.404 | 0.000 | 100.008 | 0.000 | 100.404 | 0.000 | 0.000 | 100.067 | 43.186 | -2.158 | XOM_R2OWSG MWD+IFR1+MS |
| 23400.000 | 90.000 | 180.017 | 10911.000 | 101.177 | 0.000 | 100.714 | 0.000 | 101.177 | 0.000 | 0.000 | 100.772 | 43.259 | -2.141 | XOM_R2OWSG MWD+IFR1+MS |
| 23500.000 | 90.000 | 180.017 | 10911.000 | 101.950 | 0.000 | 101.420 | 0.000 | 101.950 | 0.000 | 0.000 | 101.478 | 43.333 | -2.123 | XOM_R2OWSG MWD+IFR1+MS |
| 23600.000 | 90.000 | 180.017 | 10911.000 | 102.723 | 0.000 | 102.127 | 0.000 | 102.723 | 0.000 | 0.000 | 102.184 | 43.408 | -2.106 | XOM_R2OWSG MWD+IFR1+MS |
| 23700.000 | 90.000 | 180.017 | 10911.000 | 103.496 | 0.000 | 102.835 | 0.000 | 103.496 | 0.000 | 0.000 | 102.892 | 43.483 | -2.089 | XOM_R2OWSG MWD+IFR1+MS |
| 23800.000 | 90.000 | 180.017 | 10911.000 | 104.270 | 0.000 | 103.543 | 0.000 | 104.270 | 0.000 | 0.000 | 103.600 | 43.559 | -2.072 | XOM_R2OWSG MWD+IFR1+MS |
| 23900.000 | 90.000 | 180.017 | 10911.000 | 105.044 | 0.000 | 104.253 | 0.000 | 105.044 | 0.000 | 0.000 | 104.309 | 43.635 | -2.056 | XOM_R2OWSG MWD+IFR1+MS |
| 24000.000 | 90.000 | 180.017 | 10911.000 | 105.818 | 0.000 | 104.963 | 0.000 | 105.818 | 0.000 | 0.000 | 105.019 | 43.711 | -2.039 | XOM_R2OWSG MWD+IFR1+MS |
| 24100.000 | 90.000 | 180.017 | 10911.000 | 106.592 | 0.000 | 105.674 | 0.000 | 106.592 | 0.000 | 0.000 | 105.729 | 43.788 | -2.023 | XOM_R2OWSG MWD+IFR1+MS |
| 24200.000 | 90.000 | 180.017 | 10911.000 | 107.366 | 0.000 | 106.385 | 0.000 | 107.366 | 0.000 | 0.000 | 106.441 | 43.865 | -2.008 | XOM_R2OWSG MWD+IFR1+MS |
| 24300.000 | 90.000 | 180.017 | 10911.000 | 108.141 | 0.000 | 107.098 | 0.000 | 108.141 | 0.000 | 0.000 | 107.153 | 43.943 | -1.992 | XOM_R2OWSG MWD+IFR1+MS |
| 24400.000 | 90.000 | 180.017 | 10911.000 | 108.915 | 0.000 | 107.811 | 0.000 | 108.915 | 0.000 | 0.000 | 107.865 | 44.021 | -1.977 | XOM_R2OWSG MWD+IFR1+MS |
| 24500.000 | 90.000 | 180.017 | 10911.000 | 109.690 | 0.000 | 108.525 | 0.000 | 109.690 | 0.000 | 0.000 | 108.579 | 44.100 | -1.962 | XOM_R2OWSG MWD+IFR1+MS |
| 24600.000 | 90.000 | 180.017 | 10911.000 | 110.465 | 0.000 | 109.239 | 0.000 | 110.465 | 0.000 | 0.000 | 109.293 | 44.179 | -1.947 | XOM_R2OWSG MWD+IFR1+MS |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24700.000 | 90.000 | 180.017 | 10911.000 | 111.240 | 0.000 | 109.954 | 0.000 | 111.240 | 0.000 | 0.000 | 110.008 | 44.259 | -1.933 | XOM_R2OWSG MWD+IFR1+MS |
| 24800.000 | 90.000 | 180.017 | 10911.000 | 112.015 | 0.000 | 110.670 | 0.000 | 112.015 | 0.000 | 0.000 | 110.723 | 44.339 | -1.918 | XOM_R2OWSG MWD+IFR1+MS |
| 24900.000 | 90.000 | 180.017 | 10911.000 | 112.790 | 0.000 | 111.387 | 0.000 | 112.790 | 0.000 | 0.000 | 111.439 | 44.419 | -1.904 | XOM_R2OWSG MWD+IFR1+MS |
| 25000.000 | 90.000 | 180.017 | 10911.000 | 113.565 | 0.000 | 112.104 | 0.000 | 113.565 | 0.000 | 0.000 | 112.156 | 44.500 | -1.890 | XOM_R2OWSG MWD+IFR1+MS |
| 25100.000 | 90.000 | 180.017 | 10911.000 | 114.341 | 0.000 | 112.822 | 0.000 | 114.341 | 0.000 | 0.000 | 112.874 | 44.581 | -1.876 | XOM_R2OWSG MWD+IFR1+MS |
| 25200.000 | 90.000 | 180.017 | 10911.000 | 115.117 | 0.000 | 113.540 | 0.000 | 115.117 | 0.000 | 0.000 | 113.592 | 44.663 | -1.863 | XOM_R2OWSG MWD+IFR1+MS |
| 25300.000 | 90.000 | 180.017 | 10911.000 | 115.892 | 0.000 | 114.259 | 0.000 | 115.892 | 0.000 | 0.000 | 114.310 | 44.745 | -1.849 | XOM_R2OWSG MWD+IFR1+MS |
| 25400.000 | 90.000 | 180.017 | 10911.000 | 116.668 | 0.000 | 114.978 | 0.000 | 116.668 | 0.000 | 0.000 | 115.029 | 44.828 | -1.836 | XOM_R2OWSG MWD+IFR1+MS |
| 25500.000 | 90.000 | 180.017 | 10911.000 | 117.444 | 0.000 | 115.698 | 0.000 | 117.444 | 0.000 | 0.000 | 115.749 | 44.911 | -1.823 | XOM_R2OWSG MWD+IFR1+MS |
| 25600.000 | 90.000 | 180.017 | 10911.000 | 118.220 | 0.000 | 116.419 | 0.000 | 118.220 | 0.000 | 0.000 | 116.469 | 44.994 | -1.811 | XOM_R2OWSG MWD+IFR1+MS |
| 25700.000 | 90.000 | 180.017 | 10911.000 | 118.997 | 0.000 | 117.140 | 0.000 | 118.997 | 0.000 | 0.000 | 117.190 | 45.078 | -1.798 | XOM_R2OWSG MWD+IFR1+MS |
| 25743.542 | 90.000 | 180.017 | 10911.000 | 119.335 | 0.000 | 117.454 | 0.000 | 119.335 | 0.000 | 0.000 | 117.504 | 45.115 | -1.792 | XOM_R2OWSG MWD+IFR1+MS |
| 25793.546 | 90.000 | 180.017 | 10911.000 | 119.723 | 0.000 | 117.815 | 0.000 | 119.723 | 0.000 | 0.000 | 117.864 | 45.157 | -1.786 | XOM_R2OWSG MWD+IFR1+MS |

**Plan Targets** PLU 22-3 BS 123H

| Target Name | Measured Depth (ft) | Grid Northing (ft) | Grid Easting (ft) | TVD MSL (ft) | Target Shape |
|---|---|---|---|---|---|
| LTP 123H | 25743.54 | 390490.40 | 674200.20 | 7538.00 | CIRCLE |
| P2 123H | 21222.94 | 395010.30 | 674182.90 | 7538.00 | CIRCLE |
| BHL 123H | 25793.54 | 390440.40 | 674200.30 | 7538.00 | CIRCLE |
| P1 123H | 19547.97 | 396676.00 | 673974.70 | 7538.00 | CIRCLE |
| FTP 123H | 11376.30 | 404845.40 | 673976.10 | 7538.00 | CIRCLE |


34.4" to C/L
1-13/16" 10M
34.4" to C/L
1-13/16" 10M
2-1/16" 5M
31.8" to C/L
20" Conductor Pipe
9-5/8" Casing
7-5/8" Casing
5-1/2" Casing
GRADE
1.1"
11.0"
11" 10M
7.0"
2-1/16" 5M
46.9"
34.4" to C/L
1-13/16" 10M
2-1/16" 5M
31.8" to C/L
4.7"
20" Conductor Pipe
9-5/8" Casing
7-5/8" Casing
5-1/2" Casing
13-5/8" 10M
BOP
11" 10M
GRADE
4.7"
2-1/16" 5M
12.1"
46.9"
20" Conductor Pipe
9-5/8" Casing
GRADE
59.0"

# U. S. Steel Tubular Products

11/8/2023 1:08:50 PM

## 5.500" 20.00lb/ft (0.361" Wall) P110 RY USS-FREEDOM HTQ®

| MECHANICAL PROPERTIES | Pipe | USS-FREEDOM HTQ® | | -- |
|---|---|---|---|---|
| Minimum Yield Strength | 110,000 | -- | psi | -- |
| Maximum Yield Strength | 125,000 | -- | psi | -- |
| Minimum Tensile Strength | 125,000 | -- | psi | -- |
| **DIMENSIONS** | **Pipe** | **USS-FREEDOM HTQ®** | | **--** |
| Outside Diameter | 5.500 | 6.300 | in. | -- |
| Wall Thickness | 0.361 | -- | in. | -- |
| Inside Diameter | 4.778 | 4.778 | in. | -- |
| Standard Drift | 4.653 | 4.653 | in. | -- |
| Alternate Drift | -- | -- | in. | -- |
| Nominal Linear Weight, T&C | 20.00 | -- | lb/ft | -- |
| Plain End Weight | 19.83 | -- | lb/ft | -- |
| **SECTION AREA** | **Pipe** | **USS-FREEDOM HTQ®** | | **--** |
| Critical Area | 5.828 | 5.828 | sq. in. | -- |
| Joint Efficiency | -- | 100.0 | % | -- |
| **PERFORMANCE** | **Pipe** | **USS-FREEDOM HTQ®** | | **--** |
| Minimum Collapse Pressure | 11,100 | 11,100 | psi | -- |
| Minimum Internal Yield Pressure | 12,640 | 12,640 | psi | -- |
| Minimum Pipe Body Yield Strength | 641,000 | -- | lb | -- |
| Joint Strength | -- | 641,000 | lb | -- |
| Compression Rating | -- | 641,000 | lb | -- |
| Reference Length [4] | -- | 21,370 | ft | -- |
| Maximum Uniaxial Bend Rating [2] | -- | 91.7 | deg/100 ft | -- |
| **MAKE-UP DATA** | **Pipe** | **USS-FREEDOM HTQ®** | | **--** |
| Make-Up Loss | -- | 4.13 | in. | -- |
| Minimum Make-Up Torque [3] | -- | 15,000 | ft-lb | -- |
| Maximum Make-Up Torque [3] | -- | 21,000 | ft-lb | -- |
| Maximum Operating Torque[3] | -- | 29,500 | ft-lb | -- |



## Notes

1. Other than proprietary collapse and connection values, performance properties have been calculated using standard equations defined by API 5C3 and do not incorporate any additional design or safety factors. Calculations assume nominal pipe OD, nominal wall thickness, and Specified Minimum Yield Strength (SMYS).
2. Uniaxial bending rating shown is structural only, and equal to compression efficiency.
3. Torques have been calculated assuming a thread compound friction factor of 1.0 and are recommended only. Field make-up torques may require adjustment based on actual field conditions (e.g. make-up speed, temperature, thread compound, etc.).
4. Reference length is calculated by joint strength divided by plain end weight with 1.5 safety factor.



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Spring, Texas 77380

1-877-893-9461
connections@uss.com
www.usstubular.com

# U. S. Steel Tubular Products

11/29/2021 4:16:04 PM

## 5.500" 20.00lb/ft (0.361" Wall) P110 RY USS-TALON HTQ™ RD

| MECHANICAL PROPERTIES | Pipe | USS-TALON HTQ™ RD | | [6] |
|---|---|---|---|---|
| Minimum Yield Strength | 110,000 | -- | psi | -- |
| Maximum Yield Strength | 125,000 | -- | psi | -- |
| Minimum Tensile Strength | 125,000 | -- | psi | -- |
| **DIMENSIONS** | **Pipe** | **USS-TALON HTQ™ RD** | | **--** |
| Outside Diameter | 5.500 | 5.900 | in. | -- |
| Wall Thickness | 0.361 | -- | in. | -- |
| Inside Diameter | 4.778 | 4.778 | in. | -- |
| Standard Drift | 4.653 | 4.653 | in. | -- |
| Alternate Drift | -- | -- | in. | -- |
| Nominal Linear Weight, T&C | 20.00 | -- | lb/ft | -- |
| Plain End Weight | 19.83 | -- | lb/ft | -- |
| **SECTION AREA** | **Pipe** | **USS-TALON HTQ™ RD** | | **--** |
| Critical Area | 5.828 | 5.828 | sq. in. | -- |
| Joint Efficiency | -- | 100.0 | % | [2] |
| **PERFORMANCE** | **Pipe** | **USS-TALON HTQ™ RD** | | **--** |
| Minimum Collapse Pressure | 11,100 | 11,100 | psi | -- |
| Minimum Internal Yield Pressure | 12,640 | 12,640 | psi | -- |
| Minimum Pipe Body Yield Strength | 641,000 | -- | lb | -- |
| Joint Strength | -- | 641,000 | lb | -- |
| Compression Rating | -- | 641,000 | lb | -- |
| Reference Length | -- | 21,370 | ft | [5] |
| Maximum Uniaxial Bend Rating | -- | 91.7 | deg/100 ft | [3] |
| **MAKE-UP DATA** | **Pipe** | **USS-TALON HTQ™ RD** | | **--** |
| Make-Up Loss | -- | 5.58 | in. | -- |
| Minimum Make-Up Torque | -- | 17,000 | ft-lb | [4] |
| Maximum Make-Up Torque | -- | 20,000 | ft-lb | [4] |
| Maximum Operating Torque | -- | 39,500 | ft-lb | [4] |



## Notes

1. Other than proprietary collapse and connection values, performance properties have been calculated using standard equations defined by API 5C3 and do not incorporate any additional design or safety factors. Calculations assume nominal pipe OD, nominal wall thickness, and Specified Minimum Yield Strength (SMYS).
2. Joint efficiencies are calculated by dividing the connection critical area by the pipe body area.
3. Uniaxial bend rating shown is structural only.
4. Torques have been calculated assuming a thread compound friction factor of 1.0 and are recommended only. Field make-up torques may require adjustment based on actual field conditions (e.g. make-up speed, temperature, thread compound, etc.).
5. Reference length is calculated by Joint Strength divided by Nominal Linear Weight, T&C with a 1.5 Safety factor.
6. Coupling must meet minimum mechanical properties of the pipe.



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# 10,000 PSI Annular BOP Variance Request

XTO Energy/XTO Permian Op. request a variance to use a 5000 psi annular BOP with a 10,000 psi BOP stack. The component and compatibility tables along with the general well control plans demonstrate how the 5000 psi annular BOP will be protected from pressures that exceed its rated working pressure (RWP). The pressure at which the control of the wellbore is transferred from the annular preventer to another available preventer will not exceed 3500 psi (70% of the RWP of the 5000 psi annular BOPL).

**1. Component and Preventer Compatibility Tables**

The tables below outline the tubulars and the compatible preventers in use. This table, combined with the drilling fluid, documents that two barriers to flow will be maintained at all times.

| 8-1/2" Production Hole Section<br>10M psi Requirement | | | | | |
|---|---|---|---|---|---|
| **Component** | **OD** | **Primary Preventer** | **RWP** | **Alternate Preventer(s)** | **RWP** |
| Drillpipe | 5.000" or 4.500" | Annular | 5M | Upper 3.5"-5.5" VBR<br>Lower 3.5"-5.5" VBR | 10M<br>10M |
| HWDP | 5.000" or 4.500" | Annular | 5M | Upper 3.5"-5.5" VBR<br>Lower 3.5"-5.5" VBR | 10M<br>10M |
| Jars | 6.500" | Annular | 5M | - | - |
| DCs and MWD tools | 6.500"-8.000" | Annular | 5M | - | - |
| Mud Motor | 6.750"-8.000" | Annular | 5M | - | - |
| Production Casing | 5-1/2" | Annular | 5M | - | - |
| Open-Hole | - | Blind Rams | 10M | - | - |

**2. Well Control Procedures**

Below are the minimal high-level tasks prescribed to assure a proper shut-in while drilling, tripping, running casing, pipe out of the hole (open hole), and moving the BHA through the BOPs. At least one well control drill will be performed weekly per crew to demonstrate compliance with the procedure and well control plan. The well control drill will be recorded in the daily drilling log. The type of drill will be determined by the ongoing operations, but reasonable attempts will be made to vary the type of drill conducted (pit, trip, open hole, choke, etc.). This well control plan will be available for review by rig personnel in the XTO Energy/Permian Operating drilling supervisor's office on location and on the rig floor. All BOP equipment will be tested as per 43.CFR.3172 with the exception of the 5000 psi annular which will be tested to 70% of its RWP.

General Procedure While Drilling

1. Sound alarm (alert crew)
2. Space out drill string
3. Shut down pumps (stop pumps and rotary)
4. Shut-in well (uppermost applicable BOP, typically annular preventer, first. HCR & choke will already be in the closed position.)
5. Confirm shut-in
6. Notify toolpusher/company representative
7. Read and record the following:
   a. SIDPP & SICP
   b. Pit gain
   c. Time
8. Regroup and identify forward plan

9. If pressure has built or is anticipated during the kill to reach 70% or greater of the RWP of the annular preventer, confirm spacing and close the upper variable bore rams.

General Procedure While Tripping

1. Sound alarm (alert crew)
2. Stab full-opening safety valve & close
3. Space out drill string
4. Shut-in well (uppermost applicable BOP, typically annular preventer, first. HCR & choke will already be in the closed position.)
5. Confirm shut-in
6. Notify toolpusher/company representative
7. Read and record the following:
    a. SIDPP & SICP
    b. Pit gain
    c. Time
8. Regroup and identify forward plan
9. If pressure has built or is anticipated during the kill to reach 70% of the RWP of the annular preventer, confirm spacing and close the upper variable bore rams.

General Procedure While Running Production Casing

a. Sound alarm (alert crew)
b. Stab crossover and full-opening safety valve and close
c. Space out string
d. Shut-in well (uppermost applicable BOP, typically annular preventer, first. HCR & choke will already be in the closed position.)
e. Confirm shut-in
f. Notify toolpusher/company representative
g. Read and record the following:
    a. SIDPP & SICP
    b. Pit gain
    c. Time
h. Regroup and identify forward plan
i. If pressure has built or is anticipated during the kill to reach 70% or greater of the RWP of the annular preventer, confirm spacing and close the upper variable bore rams.

General Procedure With No Pipe In Hole (Open Hole)

1. Sound alarm (alert crew)
2. Shut-in with blind rams (HCR & choke will already be in the closed position)
3. Confirm shut-in
4. Notify toolpusher/company representative
5. Read and record the following:
   a. SICP
   b. Pit gain
   c. Time
6. Regroup and identify forward plan

General Procedures While Pulling BHA Through Stack

1. PRIOR to pulling last joint of drillpipe through stack:
   a. Perform flow check. If flowing, continue to (b).
   b. Sound alarm (alert crew)
   c. Stab full-opening safety valve and close
   d. Space out drill string with tool joint just beneath the upper variable bore rams
   e. Shut-in using upper variable bore rams (HCR & choke will already be in the closed position)
   f. Confirm shut-in
   g. Notify toolpusher/company representative
   h. Read and record the following:
      i. SIDPP & SICP
      ii. Pit gain
      iii. Time
   i. Regroup and identify forward plan
2. With BHA in the stack and compatible ram preventer and pipe combination immediately available:
   a. Sound alarm (alert crew)
   b. Stab crossover and full-opening safety valve and close
   c. Space out drill string with upset just beneath the upper variable bore rams
   d. Shut-in using upper variable bore rams (HCR & choke will already be in the closed position)
   e. Confirm shut-in
   f. Notify toolpusher/company representative
   g. Read and record the following:
      i. SIDPP & SICP
      ii. Pit gain
      iii. Time

h. Regroup and identify forward plan

3. With BHA in the stack and NO compatible ram preventer and pipe combination immediately available:
    a. Sound alarm (alert crew)
    b. If possible, pull string clear of the stack and follow "Open Hole" procedure.
    c. If impossible to pull string clear of the stack:
    d. Stab crossover, make up one joint/stand of drillpipe and full-opening safety valve and close
    e. Space out drill string with tooljoint just beneath the upper variable bore ram
    f. Shut-in using upper variable bore ram (HCR & choke will already be in the closed position)
    g. Confirm shut-in
    h. Notify toolpusher/company representative
    i. Read and record the following:
        i. SIDPP & SICP
        ii. Pit gain
        iii. Time
    j. Regroup and identify forward plan

**BLACK GOLD®**

**GATES ENGINEERING & SERVICES NORTH AMERICA**
**7603 Prairie Oak Dr.**
**Houston, TX. 77086**

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**EMAIL: gesna.quality@gates.com**
**WEB: www.gates.com/oilandgas**

NEW CHOKE HOSE INSTALLED 02-10-2024

# CERTIFICATE OF CONFORMANCE

This is to verify that the items detailed below meet the requirements of the Customer's Purchase Order referenced herein, and are in Conformance with applicable specifications, and that Records of Required Tests are on file and subject to examination. The following items were inspected and hydrostatically tested at **Gates Engineering & Services North America** facilities in Houston, TX, USA.

| | |
|---|---|
| **CUSTOMER:** | NABORS DRILLING TECHNOLOGIES USA DBA NABORS DRILLING USA |
| **CUSTOMER P.O.#:** | 15582803 (TAG NABORS PO #15582803 SN 74621 ASSET 66-1531) |
| **CUSTOMER P/N:** | IMR RETEST SN 74621 ASSET #66-1531 |
| **PART DESCRIPTION:** | RETEST OF CUSTOMER 3" X 45 FT 16C CHOKE & KILL HOSE ASSEMBLY C/W 4 1/16" 10K FLANGES |
| **SALES ORDER #:** | 529480 |
| **QUANTITY:** | 1 |
| **SERIAL #:** | 74621 H3-012524-1 |

**SIGNATURE:** F. OSMOS

**TITLE:** QUALITY ASSURANCE

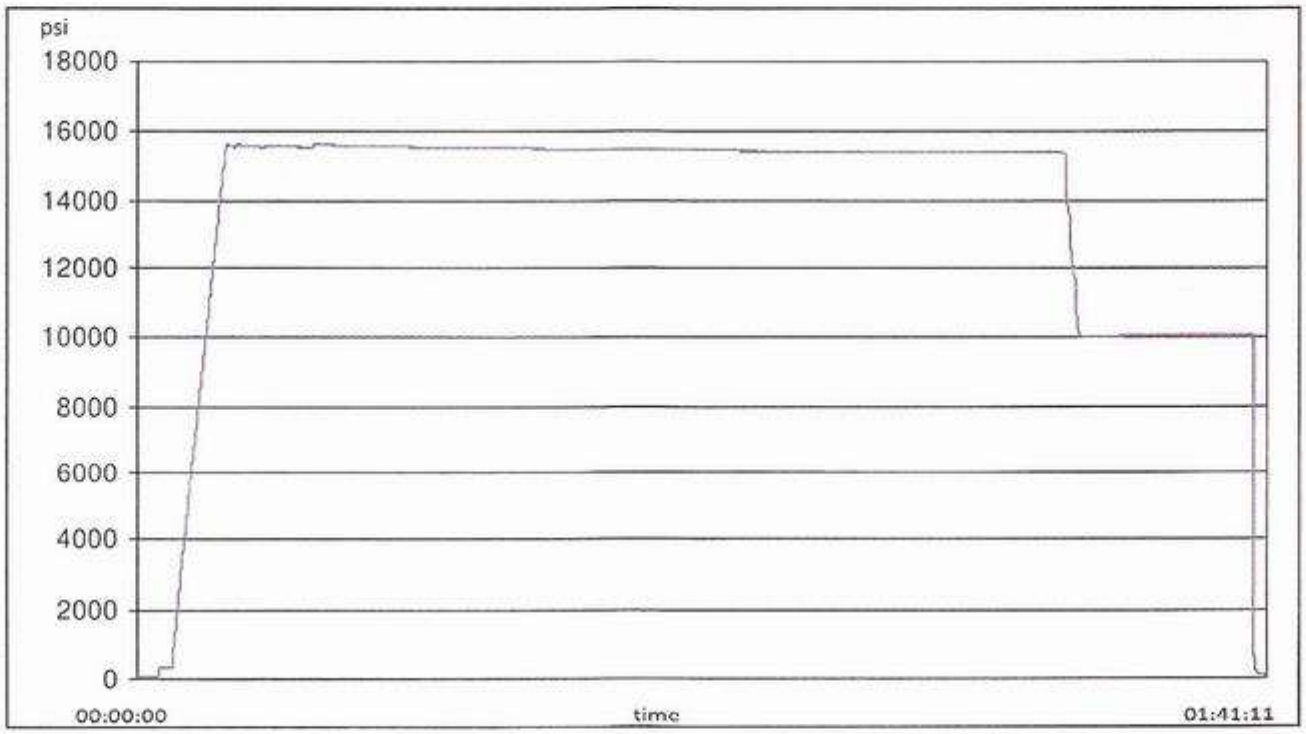
**DATE:** 1/25/2024

H3-15716

1/25/2024 11:48:06 AM

# TEST REPORT

| CUSTOMER | | | TEST OBJECT | | |
|---|---|---|---|---|---|
| Company: | Nabors Industries Inc. | | Serial number: | H3-012524-1 | |
| | | | Lot number: | | |
| Production description: | 74621/66-1531 | | Description: | 74621/66-1531 | |
| Sales order #: | 529480 | | | | |
| Customer reference: | FG1213 | | Hose ID: | 3" 16C CK | |
| | | | Part number: | | |
| **TEST INFORMATION** | | | | | |
| Test procedure: | GTS-04-053 | | Fitting 1: | 3.0 x 4-1/16 10K | |
| Test pressure: | 15000.00 | psi | Part number: | | |
| Test pressure hold: | 3600.00 | sec | Description: | | |
| Work pressure: | 10000.00 | psi | | | |
| Work pressure hold: | 900.00 | sec | Fitting 2: | 3.0 x 4-1/16 10K | |
| Length difference: | 0.00 | % | Part number: | | |
| Length difference: | 0.00 | inch | Description: | | |
| Visual check: | | | Length: | 45 | feet |
| Pressure test result: | PASS | | | | |
| Length measurement result: | | | | | |
| Test operator: | Travis | | | | |



H3-15716

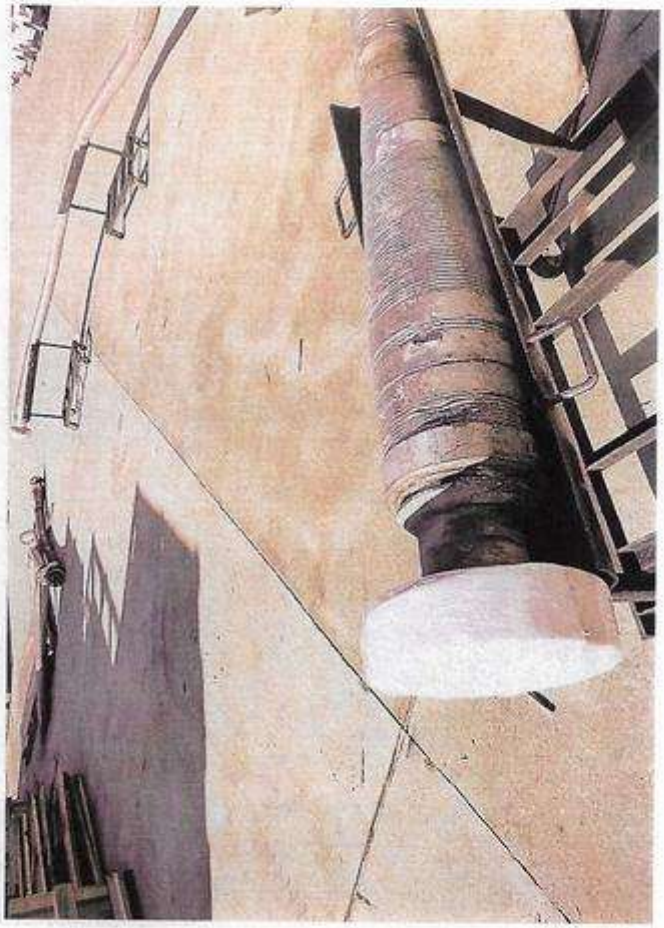
1/25/2024 11:48:06 AM

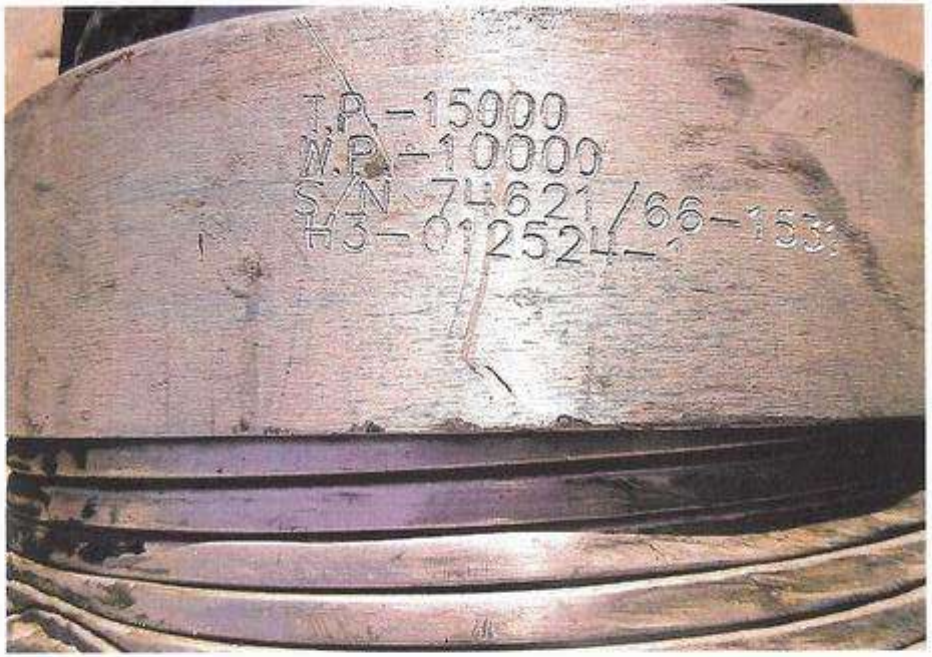
# TEST REPORT

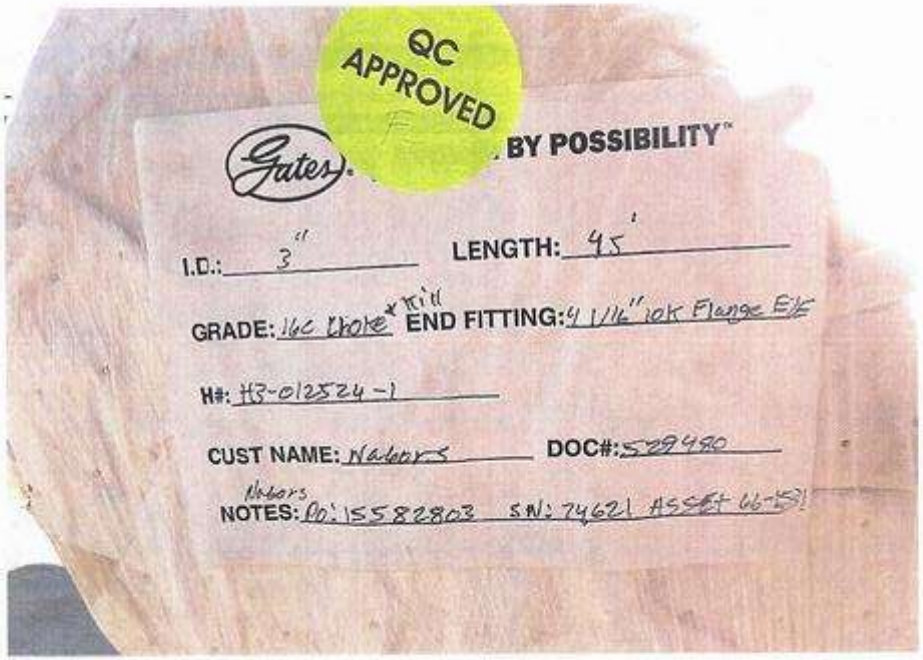
## GAUGE TRACEABILITY

| Description | Serial number | Calibration date | Calibration due date |
|---|---|---|---|
| S-25-A-W | 110D3PHO | 2023-06-06 | 2024-06-06 |
| S-25-A-W | 110IQWDG | 2023-05-16 | 2024-05-16 |

Comment




C-102

Submit Electronically
Via OCD Permitting

# State of New Mexico
# Energy, Minerals & Natural Resources Department
# OIL CONSERVATION DIVISION

Revised July 9, 2024

Submittal Type:
- ☐ Initial Submittal
- ☒ Amended Report
- ☐ As Drilled

## WELL LOCATION INFORMATION

| API Number | Pool Code | Pool Name |
|---|---|---|
| 30-015-53900 | 97860 | JENNINGS; BONE SPRING, WEST |

| Property Code | Property Name | Well Number |
|---|---|---|
| 334166 | POKER LAKE UNIT 22-3 BS | 123H |

| ORGID No. | Operator Name | Ground Level Elevation |
|---|---|---|
| 005380 | XTO ENERGY, INC. | 3,341' |

Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

### Surface Location

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|---|---|---|---|---|---|---|---|---|---|
| M | 22 | 25 S | 31 E | | 485' FSL | 486' FWL | 32.109882 | -103.772899 | EDDY |

### Bottom Hole Location

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|---|---|---|---|---|---|---|---|---|---|
| E | 3 | 26 S | 31 E | | 2,590' FNL | 990' FWL | 32.072313 | -103.771426 | EDDY |

| Dedicated Acres | Infill or Defining Well | Defining Well API | Overlapping Spacing Unit (Y/N) | Consolidation Code |
|---|---|---|---|---|
| 400 | INFILL | | NO | U |

Order Numbers.

Well setbacks are under Common Ownership: ☒ Yes ☐ No

### Kick Off Point (KOP)

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|---|---|---|---|---|---|---|---|---|---|
| M | 22 | 25 S | 31 E | | 485' FSL | 486' FWL | 32.109882 | -103.772899 | EDDY |

### First Take Point (FTP)

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|---|---|---|---|---|---|---|---|---|---|
| M | 22 | 25 S | 31 E | | 1,224' FSL | 790' FWL | 32.111914 | -103.771910 | EDDY |

### Last Take Point (LTP)

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|---|---|---|---|---|---|---|---|---|---|
| E | 3 | 26 S | 31 E | | 2,540' FNL | 990' FWL | 32.072450 | -103.771425 | EDDY |

| Unitized Area or Area of Uniform Interest | Spacing Unit Type | Ground Floor Elevation: |
|---|---|---|
| NMNM-071016X | ☒ Horizontal ☐ Vertical | 3,341' |

## OPERATOR CERTIFICATIONS

*I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.*

*If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling form the division.*

Terra Sebastian — 12/6/24

Signature — Date

**Terra Sebastian**

Printed Name

**terra.b.sebastian@exxonmobil.com**

Email Address

## SURVEYOR CERTIFICATIONS

*I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.*

I, TIM C. PAPPAS, NEW MEXICO PROFESSIONAL SURVEYOR NO. 21209, DO HEREBY CERTIFY THAT THIS SURVEY PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO, AND THAT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

TIM C. PAPPAS
REGISTERED PROFESSIONAL LAND SURVEYOR
STATE OF NEW MEXICO NO. 21209

TIM C. PAPPAS NEW MEXICO 21209 PROFESSIONAL SURVEYOR

Signature and Seal of Professional Surveyor

| Certificate Number | Date of Survey |
|---|---|
| TIM C. PAPPAS 21209 | 7/9/2024 |

*Note: 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.*

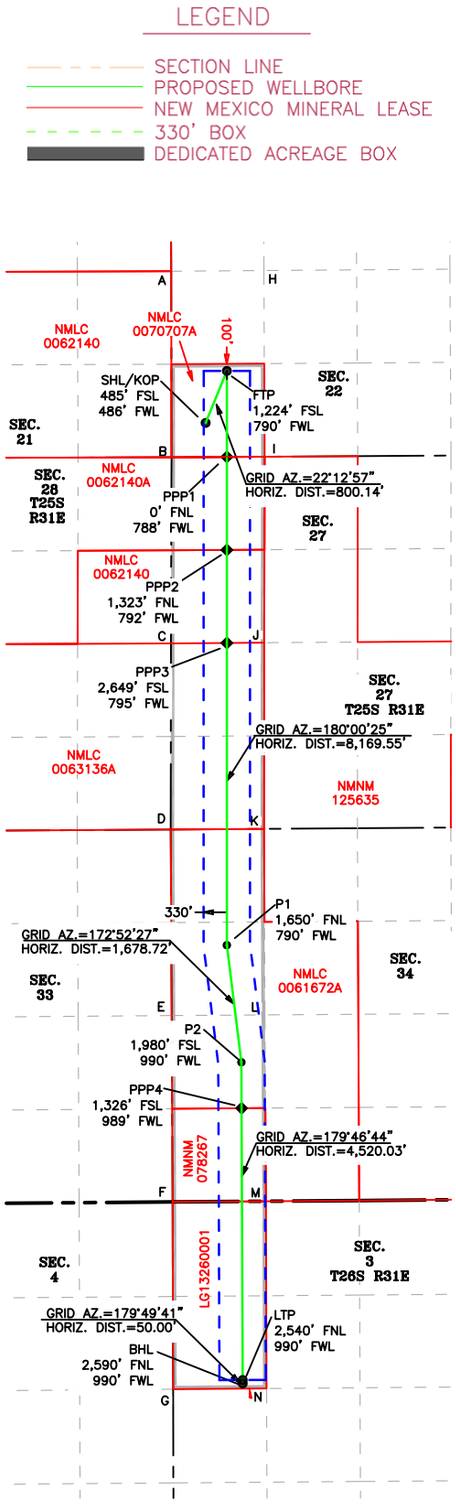
FSC INC SURVEYORS+ENGINEERS
2821 West 7th Street., Ste 200 - Fort Worth, TX 76107
Ph: 817.349.9800 - Fax: 979.732.5271
TBPE Firm 17957 | TBPLS Firm 10193887
www.fscinc.net


| | | | |
|---|---|---|---|
| DATE: | 12-5-2024 | PROJECT NO: | 2022071181 |
| DRAWN BY: | LM | SCALE: | |
| CHECKED BY: | CH | SHEET: | 1 OF 2 |
| FIELD CREW: | IR | REVISION: | NO |

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or a larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is the closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.




| SHL/KOP (NAD83 NME) | | LTP (NAD83 NME) | |
|---|---|---|---|
| Y = | 404,162.6 | Y = | 390,548.0 |
| X = | 714,859.1 | X = | 715,386.4 |
| LAT. = | 32.109882 °N | LAT. = | 32.072450 °N |
| LONG. = | 103.772899 °W | LONG. = | 103.771425 °W |
| **FTP (NAD83 NME)** | | **BHL (NAD83 NME)** | |
| Y = | 404,903.3 | Y = | 390,498.0 |
| X = | 715,161.7 | X = | 715,386.5 |
| LAT. = | 32.111914 °N | LAT. = | 32.072313 °N |
| LONG. = | 103.771910 °W | LONG. = | 103.771426 °W |
| **P1 (NAD83 NME)** | | **P2 (NAD83 NME)** | |
| Y = | 396,733.8 | Y = | 395,068.0 |
| X = | 715,160.7 | X = | 715,368.9 |
| LAT. = | 32.089457 °N | LAT. = | 32.084875 °N |
| LONG. = | 103.772050 °W | LONG. = | 103.771406 °W |
| **CORNER COORDINATES (NAD83 NME)** | | | |
| A - Y = | 406,321.4 N , | X = | 714,370.6 E |
| B - Y = | 403,674.7 N , | X = | 714,373.5 E |
| C - Y = | 401,027.1 N , | X = | 714,365.8 E |
| D - Y = | 398,377.8 N , | X = | 714,362.6 E |
| E - Y = | 395,732.5 N , | X = | 714,375.6 E |
| F - Y = | 393,080.5 N , | X = | 714,388.8 E |
| G - Y = | 390,416.3 N , | X = | 714,396.8 E |
| H - Y = | 406,331.2 N , | X = | 715,688.8 E |
| I - Y = | 403,682.5 N , | X = | 715,699.1 E |
| J - Y = | 401,036.4 N , | X = | 715,693.9 E |
| K - Y = | 398,387.8 N , | X = | 715,690.9 E |
| L - Y = | 395,741.4 N , | X = | 715,704.0 E |
| M - Y = | 393,090.6 N , | X = | 715,717.1 E |
| N - Y = | 390,426.7 N , | X = | 715,726.7 E |
| **SHL/KOP (NAD27 NME)** | | **LTP (NAD27 NME)** | |
| Y = | 404,104.6 | Y = | 390,490.4 |
| X = | 673,673.5 | X = | 674,200.2 |
| LAT. = | 32.109758 °N | LAT. = | 32.072326 °N |
| LONG. = | 103.772421 °W | LONG. = | 103.770950 °W |
| **FTP (NAD27 NME)** | | **BHL (NAD27 NME)** | |
| Y = | 404,845.4 | Y = | 390,440.4 |
| X = | 673,976.1 | X = | 674,200.3 |
| LAT. = | 32.111789 °N | LAT. = | 32.072188 °N |
| LONG. = | 103.771432 °W | LONG. = | 103.770950 °W |
| **P1 (NAD27 NME)** | | **P2 (NAD27 NME)** | |
| Y = | 396,676.0 | Y = | 395,010.3 |
| X = | 673,974.7 | X = | 674,182.9 |
| LAT. = | 32.089333 °N | LAT. = | 32.084751 °N |
| LONG. = | 103.771574 °W | LONG. = | 103.770929 °W |
| **CORNER COORDINATES (NAD27 NME)** | | | |
| A - Y = | 406,263.4 N , | X = | 673,185.0 E |
| B - Y = | 403,616.7 N , | X = | 673,187.8 E |
| C - Y = | 400,969.3 N , | X = | 673,180.0 E |
| D - Y = | 398,320.0 N , | X = | 673,176.7 E |
| E - Y = | 395,674.7 N , | X = | 673,189.6 E |
| F - Y = | 393,022.8 N , | X = | 673,202.7 E |
| G - Y = | 390,358.7 N , | X = | 673,210.6 E |
| H - Y = | 406,273.2 N , | X = | 674,503.2 E |
| I - Y = | 403,624.6 N , | X = | 674,513.4 E |
| J - Y = | 400,978.6 N , | X = | 674,508.1 E |
| K - Y = | 398,330.0 N , | X = | 674,505.0 E |
| L - Y = | 395,683.7 N , | X = | 674,518.0 E |
| M - Y = | 393,032.9 N , | X = | 674,531.1 E |
| N - Y = | 390,369.1 N , | X = | 674,540.5 E |
| **PPP1 (NAD83 NME)** | | **PPP1 (NAD27 NME)** | |
| Y = | 403,679.3 | Y = | 403,621.4 |
| X = | 715,161.5 | X = | 673,975.8 |
| LAT. = | 32.108549 °N | LAT. = | 32.108425 °N |
| LONG. = | 103.771931 °W | LONG. = | 103.771453 °W |
| **PPP2 (NAD83 NME)** | | **PPP2 (NAD27 NME)** | |
| Y = | 402,356.0 | Y = | 402,298.1 |
| X = | 715,161.4 | X = | 673,975.7 |
| LAT. = | 32.104912 °N | LAT. = | 32.104787 °N |
| LONG. = | 103.771953 °W | LONG. = | 103.771476 °W |
| **PPP3 (NAD83 NME)** | | **PPP3 (NAD27 NME)** | |
| Y = | 401,032.7 | Y = | 400,974.8 |
| X = | 715,161.2 | X = | 673,975.4 |
| LAT. = | 32.101274 °N | LAT. = | 32.101150 °N |
| LONG. = | 103.771976 °W | LONG. = | 103.771499 °W |
| **PPP4 (NAD83 NME)** | | **PPP4 (NAD27 NME)** | |
| Y = | 394,413.6 | Y = | 394,355.9 |
| X = | 715,371.4 | X = | 674,185.4 |
| LAT. = | 32.083076 °N | LAT. = | 32.082952 °N |
| LONG. = | 103.771409 °W | LONG. = | 103.770932 °W |

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Fort Worth, TX 76107
Ph: 817.349.9800 - Fax: 979.732.5271
TBPE Firm 17957 | TBPLS Firm 10193887
www.fscinc.net


| | | | |
|---|---|---|---|
| DATE: | 12-5-2024 | PROJECT NO: | 2022071181 |
| DRAWN BY: | LM | SCALE: | 1" = 2,500' |
| CHECKED BY: | CH | SHEET: | 2 OF 2 |
| FIELD CREW: | IR | REVISION: | NO |

C-102

Submit Electronically
Via OCD Permitting

# State of New Mexico
# Energy, Minerals & Natural Resources Department
# OIL CONSERVATION DIVISION

Revised July 9, 2024

Submittal Type:
- ☐ Initial Submittal
- ☒ Amended Report
- ☐ As Drilled

## WELL LOCATION INFORMATION

| API Number | Pool Code | Pool Name |
|---|---|---|
| 30-015-53900 | 96641 | PADUCA; BONE SPRING |

| Property Code | Property Name | Well Number |
|---|---|---|
| 334166 | POKER LAKE UNIT 22-3 BS | 123H |

| ORGID No. | Operator Name | Ground Level Elevation |
|---|---|---|
| 005380 | XTO ENERGY, INC. | 3,341' |

Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

### Surface Location

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|---|---|---|---|---|---|---|---|---|---|
| M | 22 | 25 S | 31 E | | 485' FSL | 486' FWL | 32.109882 | -103.772899 | EDDY |

### Bottom Hole Location

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|---|---|---|---|---|---|---|---|---|---|
| E | 3 | 26 S | 31 E | | 2,590' FNL | 990' FWL | 32.072313 | -103.771426 | EDDY |

| Dedicated Acres | Infill or Defining Well | Defining Well API | Overlapping Spacing Unit (Y/N) | Consolidation Code |
|---|---|---|---|---|
| 40 | INFILL | | NO | U |

Order Numbers.

Well setbacks are under Common Ownership: ☒ Yes ☐ No

### Kick Off Point (KOP)

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|---|---|---|---|---|---|---|---|---|---|
| M | 22 | 25 S | 31 E | | 485' FSL | 486' FWL | 32.109882 | -103.772899 | EDDY |

### First Take Point (FTP)

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|---|---|---|---|---|---|---|---|---|---|
| M | 22 | 25 S | 31 E | | 1,224' FSL | 790' FWL | 32.111914 | -103.771910 | EDDY |

### Last Take Point (LTP)

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|---|---|---|---|---|---|---|---|---|---|
| E | 3 | 26 S | 31 E | | 2,540' FNL | 990' FWL | 32.072450 | -103.771425 | EDDY |

| Unitized Area or Area of Uniform Interest | Spacing Unit Type | Ground Floor Elevation: |
|---|---|---|
| NMNM-071016X | ☒ Horizontal ☐ Vertical | 3,341' |

## OPERATOR CERTIFICATIONS

*I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.*

*If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling form the division.*

Terra Sebastian — 12/6/2024

Signature — Date

**Terra Sebastian**

Printed Name

**terra.b.sebastian@exxonmobil.com**

Email Address

## SURVEYOR CERTIFICATIONS

*I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.*

I, TIM C. PAPPAS, NEW MEXICO PROFESSIONAL SURVEYOR NO. 21209, DO HEREBY CERTIFY THAT THIS SURVEY PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO, AND THAT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

TIM C. PAPPAS
REGISTERED PROFESSIONAL LAND SURVEYOR
STATE OF NEW MEXICO NO. 21209

TIM C. PAPPAS · NEW MEXICO · 21209 · PROFESSIONAL SURVEYOR

Signature and Seal of Professional Surveyor

| Certificate Number | Date of Survey |
|---|---|
| TIM C. PAPPAS 21209 | 7/9/2024 |

*Note: 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.*

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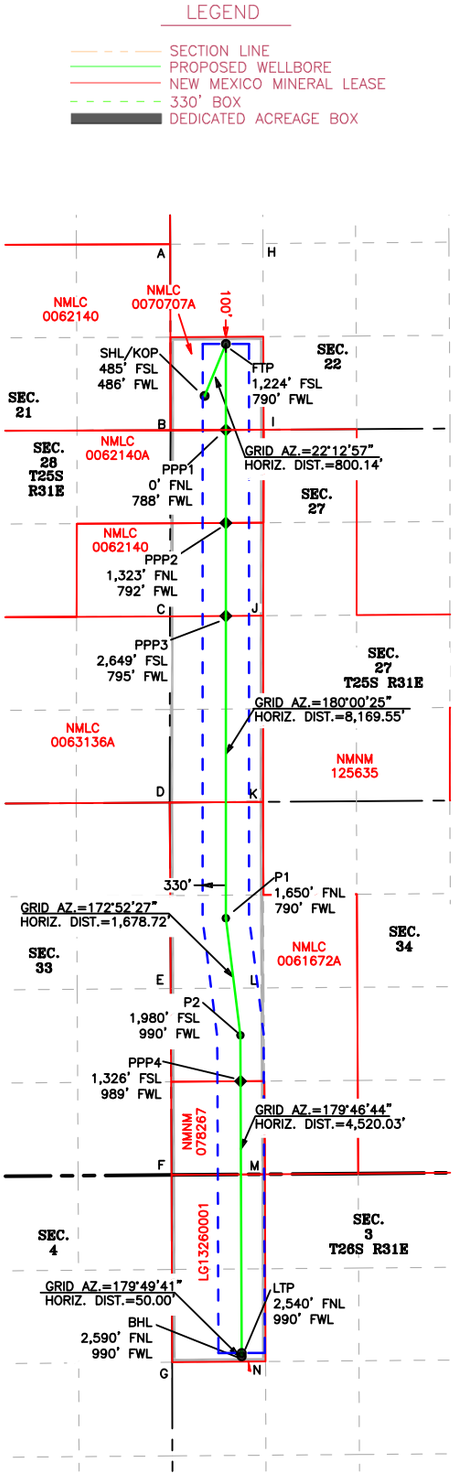
| | | | |
|---|---|---|---|
| DATE: | 12-5-2024 | PROJECT NO: | 2022071181 |
| DRAWN BY: | LM | SCALE: | |
| CHECKED BY: | CH | SHEET: | 1 OF 2 |
| FIELD CREW: | IR | REVISION: | NO |

## ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or a larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is the closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.




| SHL/KOP (NAD83 NME) | | LTP (NAD83 NME) | |
|---|---|---|---|
| Y = | 404,162.6 | Y = | 390,548.0 |
| X = | 714,859.1 | X = | 715,386.4 |
| LAT. = | 32.109882 °N | LAT. = | 32.072450 °N |
| LONG. = | 103.772899 °W | LONG. = | 103.771425 °W |
| **FTP (NAD83 NME)** | | **BHL (NAD83 NME)** | |
| Y = | 404,903.3 | Y = | 390,498.0 |
| X = | 715,161.7 | X = | 715,386.5 |
| LAT. = | 32.111914 °N | LAT. = | 32.072313 °N |
| LONG. = | 103.771910 °W | LONG. = | 103.771426 °W |
| **P1 (NAD83 NME)** | | **P2 (NAD83 NME)** | |
| Y = | 396,733.8 | Y = | 395,068.0 |
| X = | 715,160.7 | X = | 715,368.9 |
| LAT. = | 32.089457 °N | LAT. = | 32.084875 °N |
| LONG. = | 103.772050 °W | LONG. = | 103.771406 °W |

| CORNER COORDINATES (NAD83 NME) | | | |
|---|---|---|---|
| A - Y = | 406,321.4 N , | X = | 714,370.6 E |
| B - Y = | 403,674.7 N , | X = | 714,373.5 E |
| C - Y = | 401,027.1 N , | X = | 714,365.8 E |
| D - Y = | 398,377.8 N , | X = | 714,362.6 E |
| E - Y = | 395,732.5 N , | X = | 714,375.6 E |
| F - Y = | 393,080.5 N , | X = | 714,388.8 E |
| G - Y = | 390,416.3 N , | X = | 714,396.8 E |
| H - Y = | 406,331.2 N , | X = | 715,688.8 E |
| I - Y = | 403,682.5 N , | X = | 715,699.1 E |
| J - Y = | 401,036.4 N , | X = | 715,693.9 E |
| K - Y = | 398,387.8 N , | X = | 715,690.9 E |
| L - Y = | 395,741.4 N , | X = | 715,704.0 E |
| M - Y = | 393,090.6 N , | X = | 715,717.1 E |
| N - Y = | 390,426.7 N , | X = | 715,726.7 E |

| SHL/KOP (NAD27 NME) | | LTP (NAD27 NME) | |
|---|---|---|---|
| Y = | 404,104.6 | Y = | 390,490.4 |
| X = | 673,673.5 | X = | 674,200.2 |
| LAT. = | 32.109758 °N | LAT. = | 32.072326 °N |
| LONG. = | 103.772421 °W | LONG. = | 103.770950 °W |
| **FTP (NAD27 NME)** | | **BHL (NAD27 NME)** | |
| Y = | 404,845.4 | Y = | 390,440.4 |
| X = | 673,976.1 | X = | 674,200.3 |
| LAT. = | 32.111789 °N | LAT. = | 32.072188 °N |
| LONG. = | 103.771432 °W | LONG. = | 103.770950 °W |
| **P1 (NAD27 NME)** | | **P2 (NAD27 NME)** | |
| Y = | 396,676.0 | Y = | 395,010.3 |
| X = | 673,974.7 | X = | 674,182.9 |
| LAT. = | 32.089333 °N | LAT. = | 32.084751 °N |
| LONG. = | 103.771574 °W | LONG. = | 103.770929 °W |

| CORNER COORDINATES (NAD27 NME) | | | |
|---|---|---|---|
| A - Y = | 406,263.4 N , | X = | 673,185.0 E |
| B - Y = | 403,616.7 N , | X = | 673,187.8 E |
| C - Y = | 400,969.3 N , | X = | 673,180.0 E |
| D - Y = | 398,320.0 N , | X = | 673,176.7 E |
| E - Y = | 395,674.7 N , | X = | 673,189.6 E |
| F - Y = | 393,022.8 N , | X = | 673,202.7 E |
| G - Y = | 390,358.7 N , | X = | 673,210.6 E |
| H - Y = | 406,273.2 N , | X = | 674,503.2 E |
| I - Y = | 403,624.6 N , | X = | 674,513.4 E |
| J - Y = | 400,978.6 N , | X = | 674,508.1 E |
| K - Y = | 398,330.0 N , | X = | 674,505.0 E |
| L - Y = | 395,683.7 N , | X = | 674,518.0 E |
| M - Y = | 393,032.9 N , | X = | 674,531.1 E |
| N - Y = | 390,369.1 N , | X = | 674,540.5 E |

| PPP1 (NAD83 NME) | | PPP1 (NAD27 NME) | |
|---|---|---|---|
| Y = | 403,679.3 | Y = | 403,621.4 |
| X = | 715,161.5 | X = | 673,975.8 |
| LAT. = | 32.108549 °N | LAT. = | 32.108425 °N |
| LONG. = | 103.771931 °W | LONG. = | 103.771453 °W |
| **PPP2 (NAD83 NME)** | | **PPP2 (NAD27 NME)** | |
| Y = | 402,356.0 | Y = | 402,298.1 |
| X = | 715,161.4 | X = | 673,975.7 |
| LAT. = | 32.104912 °N | LAT. = | 32.104787 °N |
| LONG. = | 103.771953 °W | LONG. = | 103.771476 °W |
| **PPP3 (NAD83 NME)** | | **PPP3 (NAD27 NME)** | |
| Y = | 401,032.7 | Y = | 400,974.8 |
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| **PPP4 (NAD83 NME)** | | **PPP4 (NAD27 NME)** | |
| Y = | 394,413.6 | Y = | 394,355.9 |
| X = | 715,371.4 | X = | 674,185.4 |
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| LONG. = | 103.771409 °W | LONG. = | 103.770932 °W |

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| | | | |
|---|---|---|---|
| DATE: | 12-5-2024 | PROJECT NO: | 2022071181 |
| DRAWN BY: | LM | SCALE: | 1" = 2,500' |
| CHECKED BY: | CH | SHEET: | 2 OF 2 |
| FIELD CREW: | IR | REVISION: | NO |

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

# State of New Mexico
# Energy, Minerals and Natural Resources
# Oil Conservation Division
# 1220 S. St Francis Dr.
# Santa Fe, NM 87505

CONDITIONS

Action 404724

## CONDITIONS

| | |
|---|---|
| Operator:<br>XTO PERMIAN OPERATING LLC.<br>6401 HOLIDAY HILL ROAD<br>MIDLAND, TX 79707 | OGRID:<br>373075 |
| | Action Number:<br>404724 |
| | Action Type:<br>[C-103] NOI Change of Plans (C-103A) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| ward.rikala | Cement is required to circulate on both surface and intermediate1 strings of casing. | 12/6/2024 |
| ward.rikala | If cement is not circulated to surface during cementing operations, a Cement Bond Log (CBL) is required. | 12/6/2024 |
| ward.rikala | Any previous COA's not addressed within the updated COA's still apply. | 12/6/2024 |