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

Sundry Print Report

12/27/2024

Well Name: POKER LAKE UNIT 28 BS

Well Location: T25S / R31E / SEC 28 / SWNE / 32.101865 / -103.78084

County or Parish/State: EDDY / NM

Well Number: 309H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMLC062140A

Unit or CA Name: POKER LAKE UNIT

Unit or CA Number: NMNM71016X

US Well Number:

Operator: XTO PERMIAN OPERATING LLC

Notice of Intent

Sundry ID: 2820285

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 10/31/2024

Time Sundry Submitted: 02:24

Date proposed operation will begin: 10/31/2024

Procedure Description: XTO Permian Operating, LLC. respectfully requests approval to make the following changes to the approved APD. Changes to include SHL, KOP, FTP, LTP, BHL, and Proposed total Depth. No new surface disturbance. FROM: TO: SHL: 2435' FNL & 1951' FEL OF SECTION 28-T25S-R31E 2435' FNL 7 1951’ FEL OF SECTION 28-T25S-R31E KOP: 2435' FNL & 1951' FEL OF SECTION 28-T25S-R31E 2035’ FNL & 2347’ FEL OF SECTION 28-T25S-R31E FTP: 2435' FNL & 2090' FEL OF SECTION 28-T25S-R31E 2552' FSL & 2343' FEL OF SECTION 28-T25S-R31E LTP: 100' FSL & 2090' FEL OF SECTION 4-T26S-R31E 100' FSL & 2332' FEL OF SECTION 4-T26S-R31E BHL: 50' FSL & 2090' FEL OF SECTION 4-T26S-R31E 50' FSL & 2332' FEL OF SECTION 4-T26S-R31E The proposed total depth is changing from 24813’ MD; 11018’ TVD (Bone Spring 3 Shale) to 23739’ MD; 10169’ TVD (Bone Spring 2 Sand). A saturated salt brine will be utilized while drilling through the salt formations.

NOI Attachments

Procedure Description

PLU_28_BS___309H_Sundry_Attachments_20241209103841.pdf

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Conditions of Approval

Additional

Poker_Lake_Unit_28_BS_309H_310H_209H_210H_COA_20241215151255.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: DEC 09, 2024 10:38 AM

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: 12/16/2024

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.

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

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

8. Well Name and No.

2. Name of Operator

9. API Well No.

3a. Address

3b. Phone No. *(include area code)*

10. Field and Pool or Exploratory Area

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*

11. Country or Parish, State

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.)

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by

Title

Date

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

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

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

Location of Well

0. SHL: SWNE / 2435 FNL / 1951 FEL / TWSP: 25S / RANGE: 31E / SECTION: 28 / LAT: 32.101865 / LONG: -103.78084 (TVD: 0 feet, MD: 0 feet)

PPP: SWNE / 2435 FNL / 2090 FEL / TWSP: 25S / RANGE: 31E / SECTION: 28 / LAT: 32.101865 / LONG: -103.781289 (TVD: 11018 feet, MD: 11400 feet)

PPP: NWNE / 0 FNL / 2078 FEL / TWSP: 25S / RANGE: 31E / SECTION: 33 / LAT: 32.093983 / LONG: -103.781311 (TVD: 11018 feet, MD: 14400 feet)

PPP: NWSE / 2651 FNL / 2089 FEL / TWSP: 25S / RANGE: 31E / SECTION: 28 / LAT: 32.101272 / LONG: -103.78129 (TVD: 11018 feet, MD: 11800 feet)

BHL: SWSE / 50 FSL / 2090 FEL / TWSP: 26S / RANGE: 31E / SECTION: 4 / LAT: 32.0649 / LONG: -103.781391 (TVD: 11018 feet, MD: 24813 feet)

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO
LEASE NO.:	**NMLC062140A**
LOCATION:	Sec. 28, T.25 S, R 31 E
COUNTY:	Eddy County, New Mexico
WELL NAME & NO.:	Poker Lake Unit 28 BS 309H
SURFACE HOLE FOOTAGE:	2435'/N & 1951'/E
BOTTOM HOLE FOOTAGE:	50'/S & 2332'/E

WELL NAME & NO.:	Poker Lake Unit 28 BS 310H
SURFACE HOLE FOOTAGE:	2435'/N & 1921'/E
BOTTOM HOLE FOOTAGE:	50'/S & 1712'/E

WELL NAME & NO.:	Poker Lake Unit 28 BS 209H
SURFACE HOLE FOOTAGE:	2435'/N & 2010'/W
BOTTOM HOLE FOOTAGE:	50'/S & 1750'/W

WELL NAME & NO.:	Poker Lake Unit 28 BS 210H
SURFACE HOLE FOOTAGE:	2435'/N & 2040'/W
BOTTOM HOLE FOOTAGE:	50'/S & 2010'/W

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	

*Changes approved through engineering via **Sundry 2820285,2820283,2820196,2820229_** on _12-15-2024_. Any previous COAs not addressed within the updated COAs still apply.*

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 **995** 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.

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 6873-6900'.**

    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.

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 12/15/2024
575-234-5998 / zstevens@blm.gov

GENERAL REQUIREMENTS

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

d. Spudding well (minimum of 24 hours)
e. Setting and/or Cementing of all casing strings (minimum of 4 hours)
f. 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

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    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.
5. 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.
6. 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.

E. 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.

F. 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**.

G. 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.

H. 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 12/15/2024
575-234-5998 / zstevens@blm.gov

C-102	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024
Submit Electronically Via OCD Permitting		Submittal Type: ☐ Initial Submittal ☒ Amended Report ☐ As Drilled

APD ID: 10400094971 WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name	
30-015	97860	JENNINGS; BONE SPRING; WEST	
Property Code	Property Name		Well Number
	POKER LAKE UNIT 28 BS		309H
ORGID No.	Operator Name		Ground Level Elevation
373075	XTO PERMIAN OPERATING, LLC.		3,339'

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
G	28	25 S	31 E		2,435' FNL	1,951' FEL	32.101865	-103.780839	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
O	4	26 S	31 E		50' FSL	2,332' FEL	32.064898	-103.782172	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
400	Defining		No	U
Order Numbers.	N/A		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
G	28	25 S	31 E		2,035' FNL	2,347' FEL	32.102967	-103.782110	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
J	28	25 S	31 E		2,552' FSL	2,343' FEL	32.100998	-103.782113	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
O	4	26 S	31 E		100' FSL	2,332' FEL	32.065036	-103.782172	EDDY

Unitized Area or Area of Uniform Interest	Spacing Unit Type	Ground Floor Elevation:
NMNM-071016X	☒ Horizontal ☐ Vertical	3,339'

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 10/30/2024

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.

30 Sept 2024

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	9/28/2024

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:	9-28-2024	PROJECT NO:	2023040165
DRAWN BY:	LM	SCALE:	
CHECKED BY:	CH	SHEET:	1 OF 2
FIELD CREW:	IR	REVISION:	NO

ACREAGE DEDICATION PLATS

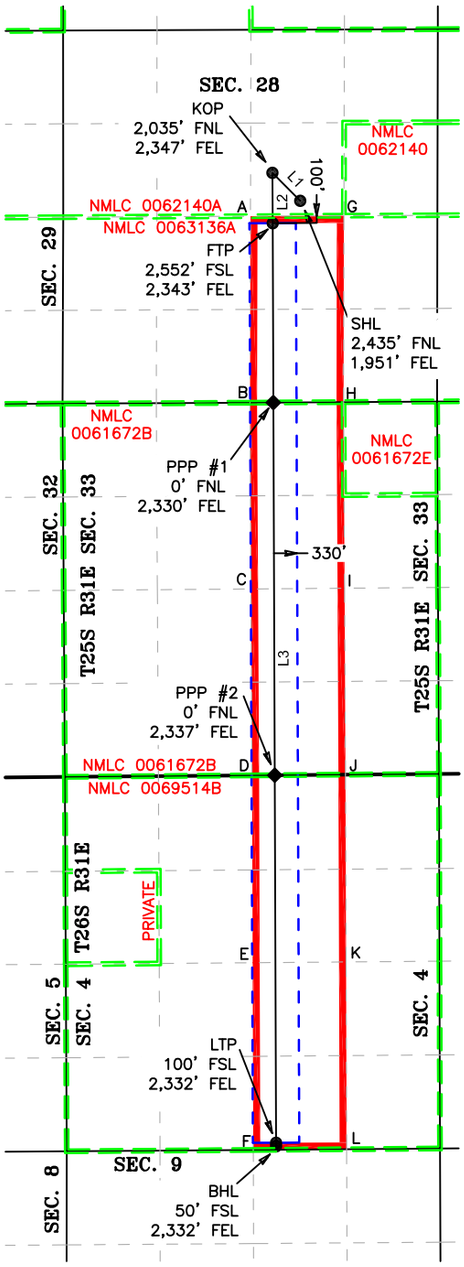
This grid represents a standard section. You may superimpose a non-standard section, or a larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the 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.

LEGEND

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

LINE TABLE		
LINE	AZIMUTH	LENGTH
L1	315° 13'41"	561.46'
L2	179° 47'24"	716.25'
L3	179° 47'13"	13,132.48'



COORDINATE TABLE					
SHL (NAD 83 NME)			FTP (NAD 83 NME)		
Y =	401,233.5	N	Y =	400,915.9	N
X =	712,415.6	E	X =	712,022.8	E
LAT. =	32.101865	°N	LAT. =	32.100998	°N
LONG. =	103.780839	°W	LONG. =	103.782113	°W
KOP (NAD 83 NME)					
Y =	401,632.1	N			
X =	712,020.2	E			
LAT. =	32.102967	°N			
LONG. =	103.782110	°W			
LTP (NAD 83 NME)			BHL (NAD 83 NME)		
Y =	387,833.5	N	Y =	387,783.5	N
X =	712,071.4	E	X =	712,071.6	E
LAT. =	32.065036	°N	LAT. =	32.064898	°N
LONG. =	103.782172	°W	LONG. =	103.782172	°W
SHL (NAD 27 NME)			FTP (NAD 27 NME)		
Y =	401,175.6	N	Y =	400,858.0	N
X =	671,229.9	E	X =	670,837.1	E
LAT. =	32.101741	°N	LAT. =	32.100873	°N
LONG. =	103.780362	°W	LONG. =	103.781635	°W
KOP (NAD 27 NME)					
Y =	401,574.2	N			
X =	670,834.5	E			
LAT. =	32.102842	°N			
LONG. =	103.781632	°W			
LTP (NAD 27 NME)			BHL (NAD 27 NME)		
Y =	387,776.0	N	Y =	387,726.0	N
X =	670,885.2	E	X =	670,885.4	E
LAT. =	32.064911	°N	LAT. =	32.064773	°N
LONG. =	103.781696	°W	LONG. =	103.781696	°W
PPP #1 (NAD 83 NME)			PPP #1 (NAD 27 NME)		
Y =	398,363.9	N	Y =	398,306.1	N
X =	712,032.3	E	X =	670,846.5	E
LAT. =	32.093983	°N	LAT. =	32.093858	°N
LONG. =	103.782124	°W	LONG. =	103.781647	°W
PPP #2 (NAD 83 NME)			PPP #2 (NAD 27 NME)		
Y =	393,062.5	N	Y =	393,004.8	N
X =	712,052.0	E	X =	670,866.0	E
LAT. =	32.079409	°N	LAT. =	32.079285	°N
LONG. =	103.782148	°W	LONG. =	103.781672	°W

CORNER COORDINATES (NAD83 NME)					
A - Y =	401,014.4	N	A - X =	711,707.2	E
B - Y =	398,362.0	N	B - X =	711,700.3	E
C - Y =	395,711.7	N	C - X =	711,714.8	E
D - Y =	393,060.0	N	D - X =	711,729.2	E
E - Y =	390,394.6	N	E - X =	711,738.3	E
F - Y =	387,731.0	N	F - X =	711,747.4	E
G - Y =	401,020.7	N	G - X =	713,036.5	E
H - Y =	398,369.9	N	H - X =	713,031.4	E
I - Y =	395,722.1	N	E - X =	713,045.2	E
J - Y =	393,070.2	N	F - X =	713,059.0	E
K - Y =	390,405.5	N	G - X =	713,067.5	E
L - Y =	387,741.0	N	H - X =	713,075.6	E
CORNER COORDINATES (NAD27 NME)					
A - Y =	400,956.5	N	A - X =	670,521.5	E
B - Y =	398,304.2	N	B - X =	670,514.5	E
C - Y =	395,654.0	N	C - X =	670,528.9	E
D - Y =	393,002.3	N	D - X =	670,543.2	E
E - Y =	390,337.0	N	E - X =	670,552.2	E
F - Y =	387,673.5	N	F - X =	670,561.2	E
G - Y =	400,962.8	N	G - X =	671,850.7	E
H - Y =	398,312.1	N	H - X =	671,845.5	E
I - Y =	395,664.4	N	E - X =	671,859.3	E
J - Y =	393,012.5	N	F - X =	671,873.0	E
K - Y =	390,347.9	N	G - X =	671,881.4	E
L - Y =	387,683.5	N	H - X =	671,889.4	E

FSC INC SURVEYORS+ENGINEERS
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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:	9-28-2024	PROJECT NO:	2023040165
DRAWN BY:	LM	SCALE:	1" = 2,500'
CHECKED BY:	CH	SHEET:	2 OF 2
FIELD CREW:	IR	REVISION:	NO

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

XTO Energy Inc.
POKER LAKE UNIT 28 BS 309H
Projected TD: 23739' MD / 10169' TVD
SHL: 2435' FNL & 1951' FEL , Section 28, T25S, R31E
BHL: 50' FSL & 2332' FEL , Section 4, 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	896'	Water
Top of Salt	1229'	Water
Base of Salt	4018'	Water
Delaware	4230'	Water
Brushy Canyon	6880'	Water/Oil/Gas
Bone Spring	8181'	Water
Avalon	8296'	Water/Oil/Gas
1st Bone Spring	8929'	Water/Oil/Gas
2nd Bone Spring	9441'	Water/Oil/Gas
Target/Land Curve	10169'	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 @ 996' (233' 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 9281.91' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 23739 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 8981.91 feet).

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0' – 996'	9.625	40	J-55	BTC	New	1.72	6.32	15.81
8.75	0' – 4000'	7.625	29.7	RY P-110	Flush Joint	New	3.67	2.86	2.02
8.75	4000' – 9281.91'	7.625	29.7	HC L-80	Flush Joint	New	2.67	2.47	2.59
6.75	0' – 9181.91'	5.5	20	RY P-110	Freedom/Semi-Permium	New	1.05	2.55	2.11
6.75	9181.91' - 23739'	5.5	20	RY P-110	Talon/Semi-Flush	New	1.05	2.31	2.11

· XTO requests the option to utilize a spudder rig (Atlas Copco RD20 or Equivalent) to set and cement surface casing per this Sundry

Wellhead:

Operator will utilize Multibowl System - See Attached

4. Cement Program

Surface Casing: 9.625, 40 New BTC, J-55 casing to be set at +/- 996'

Lead: 230 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

Intermediate Casing: 7.625, 29.7 New casing to be set at +/- 9281.91'
1st Stage
Optional Lead: 370 sxs Class C (mixed at 10.5 ppg, 2.77 ft3/sx, 15.59 gal/sx water)
TOC: Surface
Tail: 220 sxs Class C (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)
TOC: Brushy Canyon @ 6880
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: 770 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 (6880') 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 Talon/Semi-Flush, RY P-110 casing to be set at +/- 23739'

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft3/sx, 15.00 gal/sx water) Top of Cement: 8981.91 feet
Tail: 1020 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft3/sx, 8.38 gal/sx water) Top of Cement: 9481.91 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 surface casing, the blow out preventer equipment (BOP) will consist of a **5M Hydril Annular** and **a 10M Triple Ram** BOP

All BOP testing will be done by an independent service company. Operator will test as per BLM CFR43-3172

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' - 996'	12.25	FW/Native	8.4-8.9	35-40	NC	Fresh water or native water
996' - 9281.91'	8.75	Saturated brine for salt interval / Direct Emulsion	9-9.5	30-32	NC	Fully saturated salt across salado / salt
9281.91' - 23739'	6.75	OBM	9.1-9.6	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. A saturated salt brine 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 165 to 185 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.

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 - Poker Lake Unit 28 BS 309H

Measured Depth:	23739.00 ft
TVD RKB:	10169.00 ft
Location	
Cartographic Reference System:	New Mexico East - NAD 27
Northing:	401175.60 ft
Easting:	671229.90 ft
RKB:	3371.00 ft
Ground Level:	3339.00 ft
North Reference:	Grid
Convergence Angle:	0.29 Deg

Plan Sections Poker Lake Unit 28 BS 309H

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	
1402.52	6.05	315.23	1401.96	11.33	-11.24	2.00	0.00	2.00	
6426.59	6.05	315.23	6398.04	387.26	-384.19	0.00	0.00	0.00	
6729.11	0.00	0.00	6700.00	398.59	-395.43	-2.00	0.00	2.00	
9481.91	0.00	0.00	9452.80	398.59	-395.43	0.00	0.00	0.00	
10606.91	90.00	179.79	10169.00	-317.60	-392.80	8.00	0.00	8.00	FTP 10
23689.00	90.00	179.79	10169.00	-13399.60	-344.70	0.00	0.00	0.00	LTP 10
23739.00	90.00	179.79	10169.00	-13449.60	-344.52	0.00	0.00	0.00	BHL 4

Position Uncertainty Poker Lake Unit 28 BS 309H

Measured	TVD	Highside	Lateral	Vertical	Magnitude	Semi-major	Semi-minor	Semi-minor	Tool

Depth (ft)	Inclination (°)	Azimuth (°)	RKB (ft)	Error (ft)	Bias (ft)	Error (ft)	Bias (ft)	Error (ft)	Bias (ft)	of Bias (ft)	Error (ft)	Error (ft)	Azimuth (°)	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	XOMR2_OWSG 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	XOMR2_OWSG 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	XOMR2_OWSG 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	XOMR2_OWSG 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	XOMR2_OWSG 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	XOMR2_OWSG 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	XOMR2_OWSG 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	XOMR2_OWSG 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	XOMR2_OWSG 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	XOMR2_OWSG 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	XOMR2_OWSG 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	XOMR2_OWSG MWD+IFR1+MS
1200.000	2.000	315.228	1199.980	4.209	0.000	4.210	0.000	2.690	0.000	0.000	4.299	4.120	89.922	XOMR2_OWSG MWD+IFR1+MS
1300.000	4.000	315.228	1299.838	4.557	0.000	4.563	0.000	2.747	0.000	0.000	4.655	4.473	89.614	XOMR2_OWSG MWD+IFR1+MS
1402.518	6.050	315.228	1401.956	4.909	0.000	4.926	0.000	2.807	0.000	0.000	5.020	4.836	89.283	XOMR2_OWSG MWD+IFR1+MS
1500.000	6.050	315.228	1498.895	5.256	0.000	5.272	0.000	2.868	0.000	0.000	5.368	5.181	89.241	XOMR2_OWSG MWD+IFR1+MS
1600.000	6.050	315.228	1598.338	5.613	0.000	5.628	0.000	2.937	0.000	0.000	5.725	5.535	89.456	XOMR2_OWSG MWD+IFR1+MS
1700.000	6.050	315.228	1697.781	5.971	0.000	5.985	0.000	3.008	0.000	0.000	6.083	5.890	89.618	XOMR2_OWSG MWD+IFR1+MS
1800.000	6.050	315.228	1797.224	6.330	0.000	6.343	0.000	3.082	0.000	0.000	6.441	6.246	89.738	XOMR2_OWSG MWD+IFR1+MS

1900.000	6.050	315.228	1896.667	6.689	0.000	6.701	0.000	3.158	0.000	0.000	6.800	6.603	89.822	XOMR2_OWSG MWD+IFR1+MS
2000.000	6.050	315.228	1996.110	7.050	0.000	7.060	0.000	3.236	0.000	0.000	7.160	6.960	89.877	XOMR2_OWSG MWD+IFR1+MS
2100.000	6.050	315.228	2095.553	7.411	0.000	7.419	0.000	3.316	0.000	0.000	7.521	7.318	89.908	XOMR2_OWSG MWD+IFR1+MS
2200.000	6.050	315.228	2194.996	7.772	0.000	7.778	0.000	3.398	0.000	0.000	7.882	7.676	89.919	XOMR2_OWSG MWD+IFR1+MS
2300.000	6.050	315.228	2294.439	8.134	0.000	8.138	0.000	3.482	0.000	0.000	8.243	8.034	89.913	XOMR2_OWSG MWD+IFR1+MS
2400.000	6.050	315.228	2393.882	8.496	0.000	8.498	0.000	3.568	0.000	0.000	8.604	8.393	89.894	XOMR2_OWSG MWD+IFR1+MS
2500.000	6.050	315.228	2493.325	8.859	0.000	8.858	0.000	3.655	0.000	0.000	8.966	8.752	89.863	XOMR2_OWSG MWD+IFR1+MS
2600.000	6.050	315.228	2592.768	9.222	0.000	9.219	0.000	3.744	0.000	0.000	9.328	9.112	89.821	XOMR2_OWSG MWD+IFR1+MS
2700.000	6.050	315.228	2692.211	9.585	0.000	9.580	0.000	3.834	0.000	0.000	9.690	9.471	89.771	XOMR2_OWSG MWD+IFR1+MS
2800.000	6.050	315.228	2791.654	9.948	0.000	9.941	0.000	3.926	0.000	0.000	10.053	9.831	89.714	XOMR2_OWSG MWD+IFR1+MS
2900.000	6.050	315.228	2891.097	10.312	0.000	10.302	0.000	4.019	0.000	0.000	10.416	10.191	89.651	XOMR2_OWSG MWD+IFR1+MS
3000.000	6.050	315.228	2990.540	10.676	0.000	10.663	0.000	4.113	0.000	0.000	10.778	10.551	89.583	XOMR2_OWSG MWD+IFR1+MS
3100.000	6.050	315.228	3089.983	11.040	0.000	11.024	0.000	4.209	0.000	0.000	11.141	10.912	89.510	XOMR2_OWSG MWD+IFR1+MS
3200.000	6.050	315.228	3189.425	11.404	0.000	11.386	0.000	4.307	0.000	0.000	11.504	11.272	89.433	XOMR2_OWSG MWD+IFR1+MS
3300.000	6.050	315.228	3288.868	11.768	0.000	11.747	0.000	4.406	0.000	0.000	11.868	11.633	89.354	XOMR2_OWSG MWD+IFR1+MS
3400.000	6.050	315.228	3388.311	12.132	0.000	12.109	0.000	4.506	0.000	0.000	12.231	11.993	89.271	XOMR2_OWSG MWD+IFR1+MS
3500.000	6.050	315.228	3487.754	12.496	0.000	12.471	0.000	4.608	0.000	0.000	12.594	12.354	89.187	XOMR2_OWSG MWD+IFR1+MS
3600.000	6.050	315.228	3587.197	12.861	0.000	12.832	0.000	4.711	0.000	0.000	12.958	12.715	89.100	XOMR2_OWSG MWD+IFR1+MS
3700.000	6.050	315.228	3686.640	13.226	0.000	13.194	0.000	4.815	0.000	0.000	13.322	13.076	89.012	XOMR2_OWSG MWD+IFR1+MS
3800.000	6.050	315.228	3786.083	13.590	0.000	13.556	0.000	4.921	0.000	0.000	13.685	13.437	88.923	XOMR2_OWSG MWD+IFR1+MS

3900.000	6.050	315.228	3885.526	13.955	0.000	13.918	0.000	5.029	0.000	0.000	14.049	13.798	88.833	XOMR2_OWSG MWD+IFR1+MS
4000.000	6.050	315.228	3984.969	14.320	0.000	14.280	0.000	5.138	0.000	0.000	14.413	14.159	88.741	XOMR2_OWSG MWD+IFR1+MS
4100.000	6.050	315.228	4084.412	14.685	0.000	14.642	0.000	5.248	0.000	0.000	14.777	14.521	88.650	XOMR2_OWSG MWD+IFR1+MS
4200.000	6.050	315.228	4183.855	15.050	0.000	15.004	0.000	5.360	0.000	0.000	15.141	14.882	88.557	XOMR2_OWSG MWD+IFR1+MS
4300.000	6.050	315.228	4283.298	15.415	0.000	15.367	0.000	5.474	0.000	0.000	15.505	15.243	88.464	XOMR2_OWSG MWD+IFR1+MS
4400.000	6.050	315.228	4382.741	15.780	0.000	15.729	0.000	5.589	0.000	0.000	15.869	15.605	88.371	XOMR2_OWSG MWD+IFR1+MS
4500.000	6.050	315.228	4482.184	16.145	0.000	16.091	0.000	5.706	0.000	0.000	16.233	15.966	88.278	XOMR2_OWSG MWD+IFR1+MS
4600.000	6.050	315.228	4581.627	16.510	0.000	16.453	0.000	5.824	0.000	0.000	16.597	16.328	88.185	XOMR2_OWSG MWD+IFR1+MS
4700.000	6.050	315.228	4681.070	16.876	0.000	16.816	0.000	5.945	0.000	0.000	16.961	16.689	88.092	XOMR2_OWSG MWD+IFR1+MS
4800.000	6.050	315.228	4780.513	17.241	0.000	17.178	0.000	6.067	0.000	0.000	17.326	17.051	87.998	XOMR2_OWSG MWD+IFR1+MS
4900.000	6.050	315.228	4879.956	17.606	0.000	17.540	0.000	6.190	0.000	0.000	17.690	17.412	87.905	XOMR2_OWSG MWD+IFR1+MS
5000.000	6.050	315.228	4979.399	17.971	0.000	17.903	0.000	6.316	0.000	0.000	18.054	17.774	87.812	XOMR2_OWSG MWD+IFR1+MS
5100.000	6.050	315.228	5078.842	18.337	0.000	18.265	0.000	6.443	0.000	0.000	18.418	18.136	87.720	XOMR2_OWSG MWD+IFR1+MS
5200.000	6.050	315.228	5178.285	18.702	0.000	18.628	0.000	6.572	0.000	0.000	18.783	18.497	87.627	XOMR2_OWSG MWD+IFR1+MS
5300.000	6.050	315.228	5277.728	19.068	0.000	18.990	0.000	6.703	0.000	0.000	19.147	18.859	87.535	XOMR2_OWSG MWD+IFR1+MS
5400.000	6.050	315.228	5377.171	19.433	0.000	19.353	0.000	6.836	0.000	0.000	19.512	19.221	87.443	XOMR2_OWSG MWD+IFR1+MS
5500.000	6.050	315.228	5476.614	19.799	0.000	19.715	0.000	6.971	0.000	0.000	19.876	19.583	87.351	XOMR2_OWSG MWD+IFR1+MS
5600.000	6.050	315.228	5576.057	20.164	0.000	20.078	0.000	7.108	0.000	0.000	20.241	19.945	87.260	XOMR2_OWSG MWD+IFR1+MS
5700.000	6.050	315.228	5675.500	20.530	0.000	20.440	0.000	7.247	0.000	0.000	20.605	20.306	87.169	XOMR2_OWSG MWD+IFR1+MS
5800.000	6.050	315.228	5774.943	20.895	0.000	20.803	0.000	7.388	0.000	0.000	20.970	20.668	87.078	XOMR2_OWSG MWD+IFR1+MS

5900.000	6.050	315.228	5874.386	21.261	0.000	21.166	0.000	7.531	0.000	0.000	21.335	21.030	86.988	XOMR2_OWSG MWD+IFR1+MS
6000.000	6.050	315.228	5973.828	21.627	0.000	21.528	0.000	7.676	0.000	0.000	21.699	21.392	86.898	XOMR2_OWSG MWD+IFR1+MS
6100.000	6.050	315.228	6073.271	21.992	0.000	21.891	0.000	7.824	0.000	0.000	22.064	21.754	86.809	XOMR2_OWSG MWD+IFR1+MS
6200.000	6.050	315.228	6172.714	22.358	0.000	22.254	0.000	7.973	0.000	0.000	22.428	22.116	86.719	XOMR2_OWSG MWD+IFR1+MS
6300.000	6.050	315.228	6272.157	22.724	0.000	22.616	0.000	8.125	0.000	0.000	22.793	22.478	86.630	XOMR2_OWSG MWD+IFR1+MS
6400.000	6.050	315.228	6371.600	23.089	0.000	22.979	0.000	8.279	0.000	0.000	23.158	22.840	86.542	XOMR2_OWSG MWD+IFR1+MS
6426.592	6.050	315.228	6398.044	23.186	0.000	23.075	0.000	8.320	0.000	0.000	23.255	22.936	86.517	XOMR2_OWSG MWD+IFR1+MS
6500.000	4.582	315.228	6471.134	23.458	0.000	23.341	0.000	8.435	0.000	0.000	23.522	23.201	86.472	XOMR2_OWSG MWD+IFR1+MS
6600.000	2.582	315.228	6570.934	23.801	0.000	23.700	0.000	8.592	0.000	0.000	23.881	23.559	86.427	XOMR2_OWSG MWD+IFR1+MS
6700.000	0.582	315.228	6670.891	24.115	0.000	24.055	0.000	8.748	0.000	0.000	24.237	23.914	86.414	XOMR2_OWSG MWD+IFR1+MS
6729.110	0.000	0.000	6700.000	24.338	0.000	24.018	0.000	8.794	0.000	0.000	24.340	24.017	86.449	XOMR2_OWSG MWD+IFR1+MS
6800.000	0.000	0.000	6770.890	24.587	0.000	24.266	0.000	8.904	0.000	0.000	24.588	24.265	86.599	XOMR2_OWSG MWD+IFR1+MS
6900.000	0.000	0.000	6870.890	24.937	0.000	24.615	0.000	9.062	0.000	0.000	24.938	24.614	86.805	XOMR2_OWSG MWD+IFR1+MS
7000.000	0.000	0.000	6970.890	25.287	0.000	24.965	0.000	9.222	0.000	0.000	25.288	24.964	87.006	XOMR2_OWSG MWD+IFR1+MS
7100.000	0.000	0.000	7070.890	25.638	0.000	25.316	0.000	9.385	0.000	0.000	25.639	25.315	87.200	XOMR2_OWSG MWD+IFR1+MS
7200.000	0.000	0.000	7170.890	25.989	0.000	25.666	0.000	9.551	0.000	0.000	25.990	25.665	87.389	XOMR2_OWSG MWD+IFR1+MS
7300.000	0.000	0.000	7270.890	26.340	0.000	26.017	0.000	9.719	0.000	0.000	26.341	26.016	87.573	XOMR2_OWSG MWD+IFR1+MS
7400.000	0.000	0.000	7370.890	26.692	0.000	26.368	0.000	9.890	0.000	0.000	26.692	26.367	87.751	XOMR2_OWSG MWD+IFR1+MS
7500.000	0.000	0.000	7470.890	27.043	0.000	26.719	0.000	10.064	0.000	0.000	27.043	26.718	87.925	XOMR2_OWSG MWD+IFR1+MS
7600.000	0.000	0.000	7570.890	27.395	0.000	27.070	0.000	10.240	0.000	0.000	27.395	27.070	88.093	XOMR2_OWSG MWD+IFR1+MS

7700.000	0.000	0.000	7670.890	27.747	0.000	27.421	0.000	10.420	0.000	0.000	27.747	27.421	88.257	XOMR2_OWSG MWD+IFR1+MS
7800.000	0.000	0.000	7770.890	28.099	0.000	27.773	0.000	10.602	0.000	0.000	28.099	27.773	88.417	XOMR2_OWSG MWD+IFR1+MS
7900.000	0.000	0.000	7870.890	28.451	0.000	28.125	0.000	10.786	0.000	0.000	28.451	28.125	88.572	XOMR2_OWSG MWD+IFR1+MS
8000.000	0.000	0.000	7970.890	28.803	0.000	28.477	0.000	10.974	0.000	0.000	28.803	28.477	88.723	XOMR2_OWSG MWD+IFR1+MS
8100.000	0.000	0.000	8070.890	29.156	0.000	28.829	0.000	11.164	0.000	0.000	29.156	28.829	88.871	XOMR2_OWSG MWD+IFR1+MS
8200.000	0.000	0.000	8170.890	29.508	0.000	29.181	0.000	11.357	0.000	0.000	29.508	29.181	89.014	XOMR2_OWSG MWD+IFR1+MS
8300.000	0.000	0.000	8270.890	29.861	0.000	29.534	0.000	11.553	0.000	0.000	29.861	29.534	89.154	XOMR2_OWSG MWD+IFR1+MS
8400.000	0.000	0.000	8370.890	30.214	0.000	29.886	0.000	11.752	0.000	0.000	30.214	29.886	89.290	XOMR2_OWSG MWD+IFR1+MS
8500.000	0.000	0.000	8470.890	30.567	0.000	30.239	0.000	11.954	0.000	0.000	30.567	30.239	89.423	XOMR2_OWSG MWD+IFR1+MS
8600.000	0.000	0.000	8570.890	30.920	0.000	30.592	0.000	12.158	0.000	0.000	30.920	30.592	89.553	XOMR2_OWSG MWD+IFR1+MS
8700.000	0.000	0.000	8670.890	31.274	0.000	30.945	0.000	12.366	0.000	0.000	31.274	30.945	89.679	XOMR2_OWSG MWD+IFR1+MS
8800.000	0.000	0.000	8770.890	31.627	0.000	31.298	0.000	12.576	0.000	0.000	31.627	31.298	89.802	XOMR2_OWSG MWD+IFR1+MS
8900.000	0.000	0.000	8870.890	31.981	0.000	31.651	0.000	12.789	0.000	0.000	31.981	31.651	89.923	XOMR2_OWSG MWD+IFR1+MS
9000.000	0.000	0.000	8970.890	32.334	0.000	32.004	0.000	13.005	0.000	0.000	32.334	32.004	90.040	XOMR2_OWSG MWD+IFR1+MS
9100.000	0.000	0.000	9070.890	32.688	0.000	32.358	0.000	13.224	0.000	0.000	32.688	32.358	90.155	XOMR2_OWSG MWD+IFR1+MS
9200.000	0.000	0.000	9170.890	33.042	0.000	32.711	0.000	13.446	0.000	0.000	33.042	32.711	90.267	XOMR2_OWSG MWD+IFR1+MS
9300.000	0.000	0.000	9270.890	33.396	0.000	33.065	0.000	13.671	0.000	0.000	33.396	33.065	90.377	XOMR2_OWSG MWD+IFR1+MS
9400.000	0.000	0.000	9370.890	33.750	0.000	33.419	0.000	13.899	0.000	0.000	33.750	33.419	90.484	XOMR2_OWSG MWD+IFR1+MS
9481.912	0.000	0.000	9452.803	34.040	0.000	33.709	0.000	14.088	0.000	0.000	34.040	33.709	90.570	XOMR2_OWSG MWD+IFR1+MS
9500.000	1.447	179.789	9470.888	34.060	0.000	33.770	-0.000	14.130	0.000	0.000	34.101	33.770	90.590	XOMR2_OWSG MWD+IFR1+MS

9600.000	9.447	179.789	9570.356	33.821	0.000	34.086	-0.000	14.357	0.000	0.000	34.412	34.086	90.844	XOMR2_OWSG MWD+IFR1+MS
9700.000	17.447	179.789	9667.536	33.028	0.000	34.388	-0.000	14.571	0.000	0.000	34.705	34.387	91.338	XOMR2_OWSG MWD+IFR1+MS
9800.000	25.447	179.789	9760.536	31.709	0.000	34.670	-0.000	14.769	0.000	0.000	34.969	34.669	92.033	XOMR2_OWSG MWD+IFR1+MS
9900.000	33.447	179.789	9847.546	29.913	0.000	34.930	-0.000	14.951	0.000	0.000	35.199	34.929	92.898	XOMR2_OWSG MWD+IFR1+MS
10000.000	41.447	179.789	9926.873	27.715	0.000	35.166	-0.000	15.118	0.000	0.000	35.392	35.165	93.920	XOMR2_OWSG MWD+IFR1+MS
10100.000	49.447	179.789	9996.973	25.221	0.000	35.377	-0.000	15.276	0.000	0.000	35.544	35.375	95.132	XOMR2_OWSG MWD+IFR1+MS
10200.000	57.447	179.789	10056.481	22.584	0.000	35.561	-0.000	15.432	0.000	0.000	35.658	35.560	96.732	XOMR2_OWSG MWD+IFR1+MS
10300.000	65.447	179.789	10104.240	20.024	0.000	35.719	-0.000	15.596	0.000	0.000	35.735	35.718	102.733	XOMR2_OWSG MWD+IFR1+MS
10400.000	73.447	179.789	10139.318	17.848	0.000	35.849	-0.000	15.774	0.000	0.000	35.850	35.780	7.191	XOMR2_OWSG MWD+IFR1+MS
10500.000	81.447	179.789	10161.035	16.448	0.000	35.951	-0.000	15.974	0.000	0.000	35.956	35.801	9.824	XOMR2_OWSG MWD+IFR1+MS
10606.912	90.000	179.789	10169.000	16.212	0.000	36.028	-0.000	16.212	0.000	0.000	36.040	35.804	12.607	XOMR2_OWSG MWD+IFR1+MS
10700.000	90.000	179.789	10169.000	16.447	0.000	36.087	-0.000	16.447	0.000	0.000	36.107	35.801	14.399	XOMR2_OWSG MWD+IFR1+MS
10800.000	90.000	179.789	10169.000	16.730	0.000	36.166	-0.000	16.730	0.000	0.000	36.193	35.798	14.969	XOMR2_OWSG MWD+IFR1+MS
10900.000	90.000	179.789	10169.000	17.045	0.000	36.262	-0.000	17.045	0.000	0.000	36.295	35.797	14.865	XOMR2_OWSG MWD+IFR1+MS
11000.000	90.000	179.789	10169.000	17.390	0.000	36.373	-0.000	17.390	0.000	0.000	36.412	35.798	14.433	XOMR2_OWSG MWD+IFR1+MS
11100.000	90.000	179.789	10169.000	17.763	0.000	36.499	-0.000	17.763	0.000	0.000	36.543	35.800	13.852	XOMR2_OWSG MWD+IFR1+MS
11200.000	90.000	179.789	10169.000	18.162	0.000	36.642	-0.000	18.162	0.000	0.000	36.689	35.804	13.214	XOMR2_OWSG MWD+IFR1+MS
11300.000	90.000	179.789	10169.000	18.585	0.000	36.799	-0.000	18.585	0.000	0.000	36.849	35.808	12.569	XOMR2_OWSG MWD+IFR1+MS
11400.000	90.000	179.789	10169.000	19.032	0.000	36.972	-0.000	19.032	0.000	0.000	37.025	35.814	11.942	XOMR2_OWSG MWD+IFR1+MS
11500.000	90.000	179.789	10169.000	19.500	0.000	37.160	-0.000	19.500	0.000	0.000	37.215	35.821	11.346	XOMR2_OWSG MWD+IFR1+MS

11600.000	90.000	179.789	10169.000	19.987	0.000	37.362	-0.000	19.987	0.000	0.000	37.419	35.829	10.786	XOMR2_OWSG MWD+IFR1+MS
11700.000	90.000	179.789	10169.000	20.494	0.000	37.579	-0.000	20.494	0.000	0.000	37.637	35.838	10.263	XOMR2_OWSG MWD+IFR1+MS
11800.000	90.000	179.789	10169.000	21.017	0.000	37.810	-0.000	21.017	0.000	0.000	37.869	35.848	9.778	XOMR2_OWSG MWD+IFR1+MS
11900.000	90.000	179.789	10169.000	21.556	0.000	38.055	-0.000	21.556	0.000	0.000	38.115	35.859	9.328	XOMR2_OWSG MWD+IFR1+MS
12000.000	90.000	179.789	10169.000	22.110	0.000	38.314	-0.000	22.110	0.000	0.000	38.375	35.870	8.911	XOMR2_OWSG MWD+IFR1+MS
12100.000	90.000	179.789	10169.000	22.678	0.000	38.586	-0.000	22.678	0.000	0.000	38.647	35.882	8.524	XOMR2_OWSG MWD+IFR1+MS
12200.000	90.000	179.789	10169.000	23.258	0.000	38.871	-0.000	23.258	0.000	0.000	38.933	35.896	8.165	XOMR2_OWSG MWD+IFR1+MS
12300.000	90.000	179.789	10169.000	23.850	0.000	39.169	-0.000	23.850	0.000	0.000	39.232	35.909	7.831	XOMR2_OWSG MWD+IFR1+MS
12400.000	90.000	179.789	10169.000	24.452	0.000	39.480	-0.000	24.452	0.000	0.000	39.543	35.924	7.521	XOMR2_OWSG MWD+IFR1+MS
12500.000	90.000	179.789	10169.000	25.065	0.000	39.803	-0.000	25.065	0.000	0.000	39.866	35.939	7.232	XOMR2_OWSG MWD+IFR1+MS
12600.000	90.000	179.789	10169.000	25.688	0.000	40.138	-0.000	25.688	0.000	0.000	40.201	35.955	6.963	XOMR2_OWSG MWD+IFR1+MS
12700.000	90.000	179.789	10169.000	26.318	0.000	40.485	-0.000	26.318	0.000	0.000	40.548	35.971	6.711	XOMR2_OWSG MWD+IFR1+MS
12800.000	90.000	179.789	10169.000	26.957	0.000	40.843	-0.000	26.957	0.000	0.000	40.906	35.989	6.475	XOMR2_OWSG MWD+IFR1+MS
12900.000	90.000	179.789	10169.000	27.604	0.000	41.212	-0.000	27.604	0.000	0.000	41.274	36.007	6.254	XOMR2_OWSG MWD+IFR1+MS
13000.000	90.000	179.789	10169.000	28.257	0.000	41.592	-0.000	28.257	0.000	0.000	41.654	36.025	6.046	XOMR2_OWSG MWD+IFR1+MS
13100.000	90.000	179.789	10169.000	28.917	0.000	41.982	-0.000	28.917	0.000	0.000	42.044	36.045	5.851	XOMR2_OWSG MWD+IFR1+MS
13200.000	90.000	179.789	10169.000	29.584	0.000	42.383	-0.000	29.584	0.000	0.000	42.445	36.065	5.667	XOMR2_OWSG MWD+IFR1+MS
13300.000	90.000	179.789	10169.000	30.255	0.000	42.793	-0.000	30.255	0.000	0.000	42.855	36.085	5.493	XOMR2_OWSG MWD+IFR1+MS
13400.000	90.000	179.789	10169.000	30.933	0.000	43.213	-0.000	30.933	0.000	0.000	43.275	36.107	5.329	XOMR2_OWSG MWD+IFR1+MS
13500.000	90.000	179.789	10169.000	31.615	0.000	43.643	-0.000	31.615	0.000	0.000	43.704	36.129	5.174	XOMR2_OWSG MWD+IFR1+MS

13600.000	90.000	179.789	10169.000	32.301	0.000	44.082	-0.000	32.301	0.000	0.000	44.142	36.151	5.027	XOMR2_OWSG MWD+IFR1+MS
13700.000	90.000	179.789	10169.000	32.993	0.000	44.529	-0.000	32.993	0.000	0.000	44.589	36.175	4.888	XOMR2_OWSG MWD+IFR1+MS
13800.000	90.000	179.789	10169.000	33.688	0.000	44.985	-0.000	33.688	0.000	0.000	45.045	36.199	4.755	XOMR2_OWSG MWD+IFR1+MS
13900.000	90.000	179.789	10169.000	34.387	0.000	45.449	-0.000	34.387	0.000	0.000	45.509	36.223	4.629	XOMR2_OWSG MWD+IFR1+MS
14000.000	90.000	179.789	10169.000	35.090	0.000	45.921	-0.000	35.090	0.000	0.000	45.980	36.248	4.510	XOMR2_OWSG MWD+IFR1+MS
14100.000	90.000	179.789	10169.000	35.796	0.000	46.402	-0.000	35.796	0.000	0.000	46.460	36.274	4.396	XOMR2_OWSG MWD+IFR1+MS
14200.000	90.000	179.789	10169.000	36.505	0.000	46.889	-0.000	36.505	0.000	0.000	46.947	36.301	4.287	XOMR2_OWSG MWD+IFR1+MS
14300.000	90.000	179.789	10169.000	37.218	0.000	47.384	-0.000	37.218	0.000	0.000	47.442	36.328	4.183	XOMR2_OWSG MWD+IFR1+MS
14400.000	90.000	179.789	10169.000	37.933	0.000	47.886	-0.000	37.933	0.000	0.000	47.943	36.356	4.084	XOMR2_OWSG MWD+IFR1+MS
14500.000	90.000	179.789	10169.000	38.651	0.000	48.395	-0.000	38.651	0.000	0.000	48.452	36.384	3.988	XOMR2_OWSG MWD+IFR1+MS
14600.000	90.000	179.789	10169.000	39.371	0.000	48.911	-0.000	39.371	0.000	0.000	48.967	36.413	3.898	XOMR2_OWSG MWD+IFR1+MS
14700.000	90.000	179.789	10169.000	40.094	0.000	49.433	-0.000	40.094	0.000	0.000	49.489	36.442	3.810	XOMR2_OWSG MWD+IFR1+MS
14800.000	90.000	179.789	10169.000	40.819	0.000	49.961	-0.000	40.819	0.000	0.000	50.016	36.473	3.727	XOMR2_OWSG MWD+IFR1+MS
14900.000	90.000	179.789	10169.000	41.547	0.000	50.495	-0.000	41.547	0.000	0.000	50.550	36.504	3.646	XOMR2_OWSG MWD+IFR1+MS
15000.000	90.000	179.789	10169.000	42.276	0.000	51.036	-0.000	42.276	0.000	0.000	51.090	36.535	3.569	XOMR2_OWSG MWD+IFR1+MS
15100.000	90.000	179.789	10169.000	43.007	0.000	51.582	-0.000	43.007	0.000	0.000	51.635	36.567	3.495	XOMR2_OWSG MWD+IFR1+MS
15200.000	90.000	179.789	10169.000	43.741	0.000	52.133	-0.000	43.741	0.000	0.000	52.186	36.600	3.424	XOMR2_OWSG MWD+IFR1+MS
15300.000	90.000	179.789	10169.000	44.476	0.000	52.690	-0.000	44.476	0.000	0.000	52.743	36.633	3.355	XOMR2_OWSG MWD+IFR1+MS
15400.000	90.000	179.789	10169.000	45.212	0.000	53.252	-0.000	45.212	0.000	0.000	53.304	36.667	3.289	XOMR2_OWSG MWD+IFR1+MS
15500.000	90.000	179.789	10169.000	45.951	0.000	53.819	-0.000	45.951	0.000	0.000	53.870	36.702	3.225	XOMR2_OWSG MWD+IFR1+MS

15600.000	90.000	179.789	10169.000	46.690	0.000	54.390	-0.000	46.690	0.000	0.000	54.442	36.737	3.164	XOMR2_OWSG MWD+IFR1+MS
15700.000	90.000	179.789	10169.000	47.431	0.000	54.967	-0.000	47.431	0.000	0.000	55.018	36.773	3.104	XOMR2_OWSG MWD+IFR1+MS
15800.000	90.000	179.789	10169.000	48.174	0.000	55.548	-0.000	48.174	0.000	0.000	55.598	36.809	3.047	XOMR2_OWSG MWD+IFR1+MS
15900.000	90.000	179.789	10169.000	48.918	0.000	56.133	-0.000	48.918	0.000	0.000	56.183	36.846	2.992	XOMR2_OWSG MWD+IFR1+MS
16000.000	90.000	179.789	10169.000	49.663	0.000	56.723	-0.000	49.663	0.000	0.000	56.772	36.883	2.938	XOMR2_OWSG MWD+IFR1+MS
16100.000	90.000	179.789	10169.000	50.410	0.000	57.317	-0.000	50.410	0.000	0.000	57.366	36.921	2.886	XOMR2_OWSG MWD+IFR1+MS
16200.000	90.000	179.789	10169.000	51.157	0.000	57.914	-0.000	51.157	0.000	0.000	57.963	36.960	2.836	XOMR2_OWSG MWD+IFR1+MS
16300.000	90.000	179.789	10169.000	51.906	0.000	58.516	-0.000	51.906	0.000	0.000	58.564	37.000	2.787	XOMR2_OWSG MWD+IFR1+MS
16400.000	90.000	179.789	10169.000	52.655	0.000	59.122	-0.000	52.655	0.000	0.000	59.169	37.039	2.740	XOMR2_OWSG MWD+IFR1+MS
16500.000	90.000	179.789	10169.000	53.406	0.000	59.731	-0.000	53.406	0.000	0.000	59.778	37.080	2.695	XOMR2_OWSG MWD+IFR1+MS
16600.000	90.000	179.789	10169.000	54.158	0.000	60.343	-0.000	54.158	0.000	0.000	60.390	37.121	2.651	XOMR2_OWSG MWD+IFR1+MS
16700.000	90.000	179.789	10169.000	54.910	0.000	60.959	-0.000	54.910	0.000	0.000	61.006	37.163	2.608	XOMR2_OWSG MWD+IFR1+MS
16800.000	90.000	179.789	10169.000	55.664	0.000	61.579	-0.000	55.664	0.000	0.000	61.625	37.205	2.566	XOMR2_OWSG MWD+IFR1+MS
16900.000	90.000	179.789	10169.000	56.418	0.000	62.201	-0.000	56.418	0.000	0.000	62.247	37.248	2.525	XOMR2_OWSG MWD+IFR1+MS
17000.000	90.000	179.789	10169.000	57.173	0.000	62.827	-0.000	57.173	0.000	0.000	62.872	37.291	2.486	XOMR2_OWSG MWD+IFR1+MS
17100.000	90.000	179.789	10169.000	57.929	0.000	63.456	-0.000	57.929	0.000	0.000	63.501	37.335	2.448	XOMR2_OWSG MWD+IFR1+MS
17200.000	90.000	179.789	10169.000	58.686	0.000	64.088	-0.000	58.686	0.000	0.000	64.132	37.380	2.411	XOMR2_OWSG MWD+IFR1+MS
17300.000	90.000	179.789	10169.000	59.443	0.000	64.723	-0.000	59.443	0.000	0.000	64.766	37.425	2.375	XOMR2_OWSG MWD+IFR1+MS
17400.000	90.000	179.789	10169.000	60.201	0.000	65.360	-0.000	60.201	0.000	0.000	65.403	37.470	2.340	XOMR2_OWSG MWD+IFR1+MS
17500.000	90.000	179.789	10169.000	60.960	0.000	66.000	-0.000	60.960	0.000	0.000	66.043	37.517	2.305	XOMR2_OWSG MWD+IFR1+MS

17600.000	90.000	179.789	10169.000	61.719	0.000	66.643	-0.000	61.719	0.000	0.000	66.686	37.564	2.272	XOMR2_OWSG MWD+IFR1+MS
17700.000	90.000	179.789	10169.000	62.480	0.000	67.288	-0.000	62.480	0.000	0.000	67.331	37.611	2.240	XOMR2_OWSG MWD+IFR1+MS
17800.000	90.000	179.789	10169.000	63.240	0.000	67.936	-0.000	63.240	0.000	0.000	67.978	37.659	2.208	XOMR2_OWSG MWD+IFR1+MS
17900.000	90.000	179.789	10169.000	64.001	0.000	68.586	-0.000	64.001	0.000	0.000	68.628	37.707	2.177	XOMR2_OWSG MWD+IFR1+MS
18000.000	90.000	179.789	10169.000	64.763	0.000	69.239	-0.000	64.763	0.000	0.000	69.280	37.756	2.147	XOMR2_OWSG MWD+IFR1+MS
18100.000	90.000	179.789	10169.000	65.526	0.000	69.894	-0.000	65.526	0.000	0.000	69.935	37.806	2.118	XOMR2_OWSG MWD+IFR1+MS
18200.000	90.000	179.789	10169.000	66.289	0.000	70.551	-0.000	66.289	0.000	0.000	70.591	37.856	2.089	XOMR2_OWSG MWD+IFR1+MS
18300.000	90.000	179.789	10169.000	67.052	0.000	71.210	-0.000	67.052	0.000	0.000	71.250	37.907	2.061	XOMR2_OWSG MWD+IFR1+MS
18400.000	90.000	179.789	10169.000	67.816	0.000	71.871	-0.000	67.816	0.000	0.000	71.911	37.958	2.034	XOMR2_OWSG MWD+IFR1+MS
18500.000	90.000	179.789	10169.000	68.580	0.000	72.535	-0.000	68.580	0.000	0.000	72.574	38.010	2.007	XOMR2_OWSG MWD+IFR1+MS
18600.000	90.000	179.789	10169.000	69.345	0.000	73.200	-0.000	69.345	0.000	0.000	73.239	38.062	1.981	XOMR2_OWSG MWD+IFR1+MS
18700.000	90.000	179.789	10169.000	70.110	0.000	73.867	-0.000	70.110	0.000	0.000	73.906	38.115	1.956	XOMR2_OWSG MWD+IFR1+MS
18800.000	90.000	179.789	10169.000	70.876	0.000	74.536	-0.000	70.876	0.000	0.000	74.575	38.169	1.931	XOMR2_OWSG MWD+IFR1+MS
18900.000	90.000	179.789	10169.000	71.642	0.000	75.207	-0.000	71.642	0.000	0.000	75.245	38.223	1.907	XOMR2_OWSG MWD+IFR1+MS
19000.000	90.000	179.789	10169.000	72.408	0.000	75.880	-0.000	72.408	0.000	0.000	75.918	38.277	1.883	XOMR2_OWSG MWD+IFR1+MS
19100.000	90.000	179.789	10169.000	73.175	0.000	76.554	-0.000	73.175	0.000	0.000	76.592	38.332	1.860	XOMR2_OWSG MWD+IFR1+MS
19200.000	90.000	179.789	10169.000	73.943	0.000	77.230	-0.000	73.943	0.000	0.000	77.267	38.388	1.838	XOMR2_OWSG MWD+IFR1+MS
19300.000	90.000	179.789	10169.000	74.710	0.000	77.908	-0.000	74.710	0.000	0.000	77.945	38.444	1.815	XOMR2_OWSG MWD+IFR1+MS
19400.000	90.000	179.789	10169.000	75.478	0.000	78.587	-0.000	75.478	0.000	0.000	78.624	38.500	1.794	XOMR2_OWSG MWD+IFR1+MS
19500.000	90.000	179.789	10169.000	76.246	0.000	79.268	-0.000	76.246	0.000	0.000	79.305	38.557	1.772	XOMR2_OWSG MWD+IFR1+MS

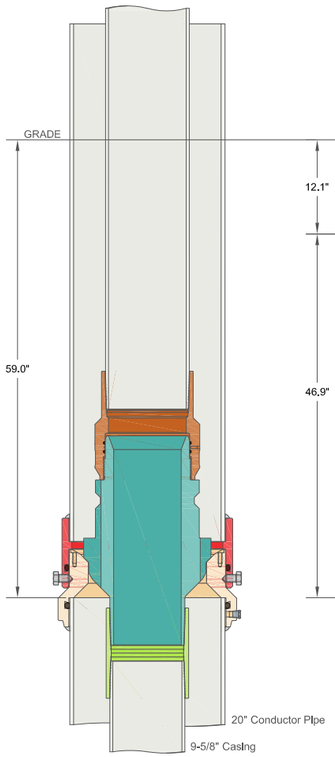
19600.000	90.000	179.789	10169.000	77.015	0.000	79.951	-0.000	77.015	0.000	0.000	79.987	38.615	1.752	XOMR2_OWSG MWD+IFR1+MS
19700.000	90.000	179.789	10169.000	77.784	0.000	80.635	-0.000	77.784	0.000	0.000	80.670	38.673	1.731	XOMR2_OWSG MWD+IFR1+MS
19800.000	90.000	179.789	10169.000	78.553	0.000	81.320	-0.000	78.553	0.000	0.000	81.355	38.732	1.711	XOMR2_OWSG MWD+IFR1+MS
19900.000	90.000	179.789	10169.000	79.323	0.000	82.007	-0.000	79.323	0.000	0.000	82.042	38.791	1.692	XOMR2_OWSG MWD+IFR1+MS
20000.000	90.000	179.789	10169.000	80.093	0.000	82.695	-0.000	80.093	0.000	0.000	82.730	38.851	1.673	XOMR2_OWSG MWD+IFR1+MS
20100.000	90.000	179.789	10169.000	80.863	0.000	83.384	-0.000	80.863	0.000	0.000	83.419	38.911	1.654	XOMR2_OWSG MWD+IFR1+MS
20200.000	90.000	179.789	10169.000	81.633	0.000	84.075	-0.000	81.633	0.000	0.000	84.109	38.972	1.635	XOMR2_OWSG MWD+IFR1+MS
20300.000	90.000	179.789	10169.000	82.404	0.000	84.767	-0.000	82.404	0.000	0.000	84.801	39.033	1.617	XOMR2_OWSG MWD+IFR1+MS
20400.000	90.000	179.789	10169.000	83.175	0.000	85.460	-0.000	83.175	0.000	0.000	85.494	39.095	1.600	XOMR2_OWSG MWD+IFR1+MS
20500.000	90.000	179.789	10169.000	83.946	0.000	86.155	-0.000	83.946	0.000	0.000	86.188	39.157	1.582	XOMR2_OWSG MWD+IFR1+MS
20600.000	90.000	179.789	10169.000	84.718	0.000	86.850	-0.000	84.718	0.000	0.000	86.883	39.219	1.565	XOMR2_OWSG MWD+IFR1+MS
20700.000	90.000	179.789	10169.000	85.489	0.000	87.547	-0.000	85.489	0.000	0.000	87.580	39.283	1.548	XOMR2_OWSG MWD+IFR1+MS
20800.000	90.000	179.789	10169.000	86.261	0.000	88.245	-0.000	86.261	0.000	0.000	88.278	39.346	1.532	XOMR2_OWSG MWD+IFR1+MS
20900.000	90.000	179.789	10169.000	87.034	0.000	88.944	-0.000	87.034	0.000	0.000	88.976	39.410	1.516	XOMR2_OWSG MWD+IFR1+MS
21000.000	90.000	179.789	10169.000	87.806	0.000	89.644	-0.000	87.806	0.000	0.000	89.676	39.475	1.500	XOMR2_OWSG MWD+IFR1+MS
21100.000	90.000	179.789	10169.000	88.579	0.000	90.345	-0.000	88.579	0.000	0.000	90.377	39.540	1.485	XOMR2_OWSG MWD+IFR1+MS
21200.000	90.000	179.789	10169.000	89.352	0.000	91.047	-0.000	89.352	0.000	0.000	91.079	39.606	1.469	XOMR2_OWSG MWD+IFR1+MS
21300.000	90.000	179.789	10169.000	90.125	0.000	91.751	-0.000	90.125	0.000	0.000	91.782	39.672	1.454	XOMR2_OWSG MWD+IFR1+MS
21400.000	90.000	179.789	10169.000	90.898	0.000	92.455	-0.000	90.898	0.000	0.000	92.486	39.739	1.440	XOMR2_OWSG MWD+IFR1+MS
21500.000	90.000	179.789	10169.000	91.671	0.000	93.160	-0.000	91.671	0.000	0.000	93.191	39.806	1.425	XOMR2_OWSG MWD+IFR1+MS

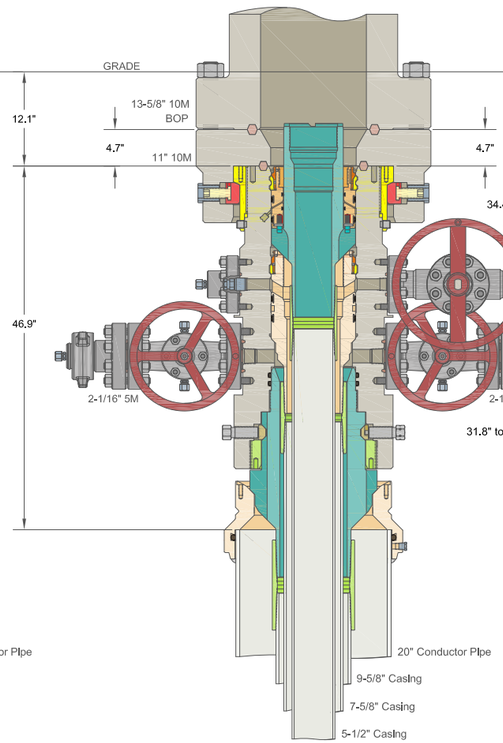
21600.000	90.000	179.789	10169.000	92.445	0.000	93.866	-0.000	92.445	0.000	0.000	93.897	39.873	1.411	XOMR2_OWSG MWD+IFR1+MS
21700.000	90.000	179.789	10169.000	93.219	0.000	94.573	-0.000	93.219	0.000	0.000	94.603	39.941	1.397	XOMR2_OWSG MWD+IFR1+MS
21800.000	90.000	179.789	10169.000	93.993	0.000	95.281	-0.000	93.993	0.000	0.000	95.311	40.010	1.383	XOMR2_OWSG MWD+IFR1+MS
21900.000	90.000	179.789	10169.000	94.767	0.000	95.989	-0.000	94.767	0.000	0.000	96.019	40.078	1.370	XOMR2_OWSG MWD+IFR1+MS
22000.000	90.000	179.789	10169.000	95.541	0.000	96.699	-0.000	95.541	0.000	0.000	96.729	40.148	1.357	XOMR2_OWSG MWD+IFR1+MS
22100.000	90.000	179.789	10169.000	96.316	0.000	97.409	-0.000	96.316	0.000	0.000	97.439	40.218	1.344	XOMR2_OWSG MWD+IFR1+MS
22200.000	90.000	179.789	10169.000	97.090	0.000	98.120	-0.000	97.090	0.000	0.000	98.150	40.288	1.331	XOMR2_OWSG MWD+IFR1+MS
22300.000	90.000	179.789	10169.000	97.865	0.000	98.832	-0.000	97.865	0.000	0.000	98.862	40.359	1.318	XOMR2_OWSG MWD+IFR1+MS
22400.000	90.000	179.789	10169.000	98.640	0.000	99.545	-0.000	98.640	0.000	0.000	99.574	40.430	1.306	XOMR2_OWSG MWD+IFR1+MS
22500.000	90.000	179.789	10169.000	99.415	0.000	100.259	-0.000	99.415	0.000	0.000	100.288	40.502	1.294	XOMR2_OWSG MWD+IFR1+MS
22600.000	90.000	179.789	10169.000	100.191	0.000	100.973	-0.000	100.191	0.000	0.000	101.002	40.574	1.282	XOMR2_OWSG MWD+IFR1+MS
22700.000	90.000	179.789	10169.000	100.966	0.000	101.688	-0.000	100.966	0.000	0.000	101.717	40.646	1.270	XOMR2_OWSG MWD+IFR1+MS
22800.000	90.000	179.789	10169.000	101.742	0.000	102.404	-0.000	101.742	0.000	0.000	102.432	40.719	1.258	XOMR2_OWSG MWD+IFR1+MS
22900.000	90.000	179.789	10169.000	102.518	0.000	103.120	-0.000	102.518	0.000	0.000	103.149	40.793	1.247	XOMR2_OWSG MWD+IFR1+MS
23000.000	90.000	179.789	10169.000	103.293	0.000	103.838	-0.000	103.293	0.000	0.000	103.866	40.867	1.235	XOMR2_OWSG MWD+IFR1+MS
23100.000	90.000	179.789	10169.000	104.069	0.000	104.555	-0.000	104.069	0.000	0.000	104.583	40.941	1.224	XOMR2_OWSG MWD+IFR1+MS
23200.000	90.000	179.789	10169.000	104.846	0.000	105.274	-0.000	104.846	0.000	0.000	105.301	41.016	1.213	XOMR2_OWSG MWD+IFR1+MS
23300.000	90.000	179.789	10169.000	105.622	0.000	105.993	-0.000	105.622	0.000	0.000	106.020	41.091	1.202	XOMR2_OWSG MWD+IFR1+MS
23400.000	90.000	179.789	10169.000	106.398	0.000	106.713	-0.000	106.398	0.000	0.000	106.740	41.166	1.192	XOMR2_OWSG MWD+IFR1+MS
23500.000	90.000	179.789	10169.000	107.175	0.000	107.433	-0.000	107.175	0.000	0.000	107.460	41.242	1.181	XOMR2_OWSG MWD+IFR1+MS

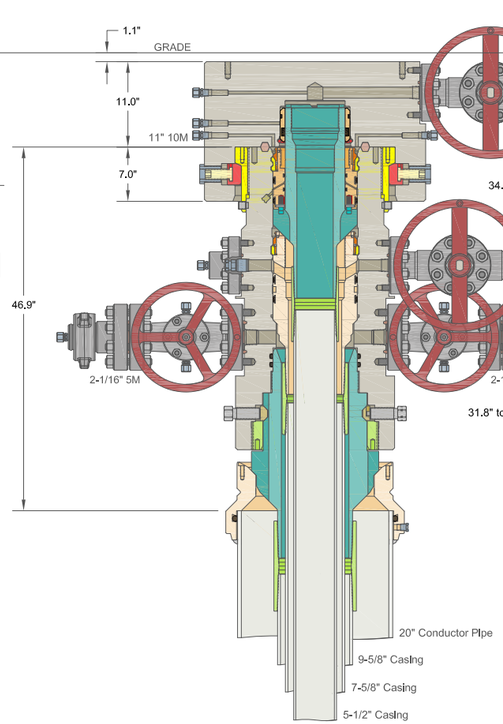
23600.000	90.000	179.789	10169.000	107.951	0.000	108.154	-0.000	107.951	0.000	0.000	108.181	41.319	1.171	XOMR2_OWSG MWD+IFR1+MS
23689.001	90.000	179.789	10169.000	108.643	0.000	108.796	-0.000	108.643	0.000	0.000	108.823	41.387	1.162	XOMR2_OWSG MWD+IFR1+MS
23700.000	90.000	179.789	10169.000	108.728	0.000	108.876	-0.000	108.728	0.000	0.000	108.902	41.396	1.161	XOMR2_OWSG MWD+IFR1+MS
23739.001	90.000	179.789	10169.000	109.031	0.000	109.157	-0.000	109.031	0.000	0.000	109.183	41.426	1.157	XOMR2_OWSG MWD+IFR1+MS

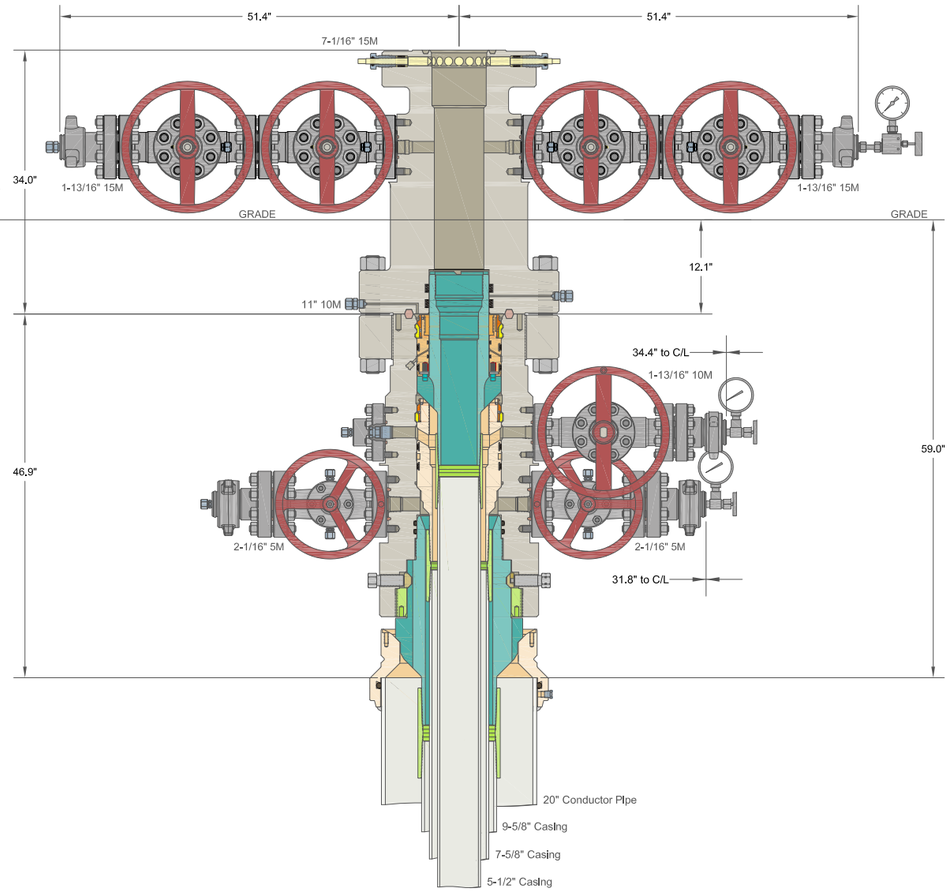
Plan Targets Poker Lake Unit 28 BS 309H

Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
FTP 10	10606.81	400858.00	670837.10	6798.00	CIRCLE
LTP 10	23689.00	387776.00	670885.20	6798.00	CIRCLE
BHL 4	23739.02	387726.00	670885.40	6798.00	CIRCLE









ALL DIMENSIONS APPROXIMA

CACTUS WELLHEAD LLC

XTO ENERGY INC
DELAWARE BASIN

20" x 9-5/8" x 7-5/8" x 5-1/2" MBU-T-CFL-R-DBLO Wellhead
With 11" 10M x 7-1/16" 15M CTH-DBLHPS Tubing Head
And 9-5/8", 7-5/8" & 5-1/2" Pin Bottom Mandrel Casing Hangers

DRAWN	VJK	31MAR22
APPRV		

DRAWING NO. HBE0000479

Subject: Request for a Variance Allowing break Testing of the Blowout Preventer Equipment (BOPE)

XTO Energy requests a variance to ONLY test broken pressure seals on the BOPE and function test BOP when skidding a drilling rig between multiple wells on a pad.

Background

Onshore Oil and Gas Order CFR Title 43 Part 3170, Drilling Operations, Sections III.A.2.i.iv.B states that the BOP test must be performed whenever any seal subject to test pressure is broken. The current interpretation of the Bureau of Land Management (BLM) requires a complete BOP test and not just a test of the affected component. CFR Title 43 Part 3170 states, "Some situation may exist either on a well-by- well basis or field-wide basis whereby it is commonly accepted practice to vary a particular minimum standard(s) established in this order. This situation can be resolved by requesting a variance…". XTO Energy feels the break testing the BOPE is such a situation. Therefore, as per CFR Title 43 Part 3170, XTO Energy submits this request for the variance.

Supporting Documentation

CFR Title 43 Part 3170 became effective on December 19, 1988 and has remained the standard for regulating BLM onshore drilling operations for over 30 years. During this time there have been significant changes in drilling technology. BLM continues to use the variance request process to allow for the use of modern technology and acceptable engineering practices that have arisen since CFR Title 43 Part 3170 was originally released. The XTO Energy drilling rig fleet has many modern upgrades that allow the intact BOP stack to be moved between well slots on a multi-well pad, as well as, wellhead designs that incorporate quick connects facilitating release of the BOP from the wellhead without breaking any BOP stack components apart. These technologies have been used extensively offshore, and other regulators, API, and many operators around the world have endorsed break testing as safe and reliable.

Figure 1: Winch System attached to BOP Stack

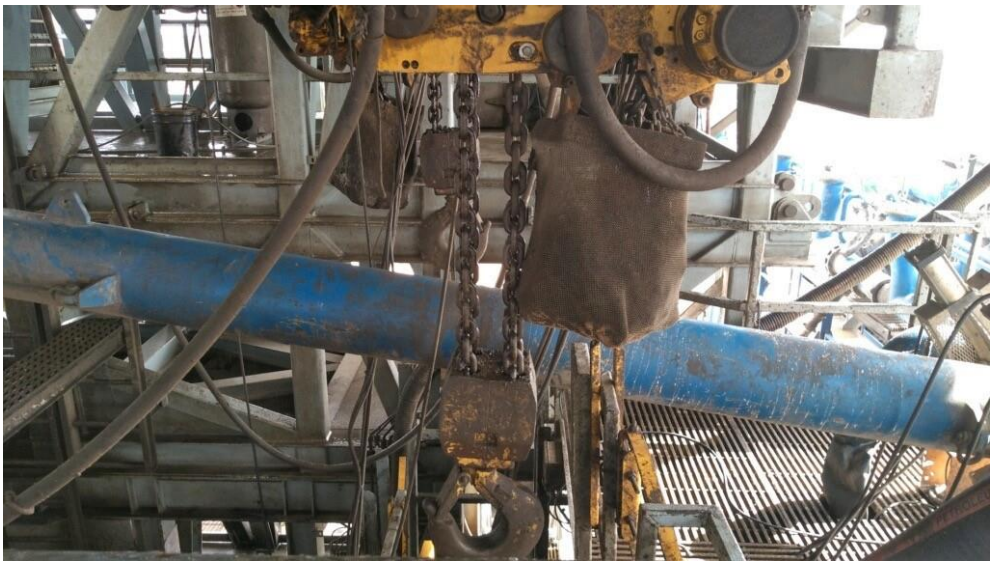


Figure 2: BOP Winch System

American Petroleum Institute (API) standards, specification and recommended practices are considered the industry standard and are consistently utilized and referenced by the industry. CFR Title 43 Part 3170recognizes API recommended Practices (RP) 53 in its original development. API Standard 53, *Well Control Equipment Systems for Drilling Wells* (Fifth Edition, December 2018, Annex C, Table C.4) recognizes break testing as an acceptable practice. Specifically, API Standard 53, Section 5.3.7.1 states "A pressure test of the pressure containing component shall be performed following the disconnection or repair, limited to the affected component." See Table C.4 below for reference.

Table C.4—Initial Pressure Testing, Surface BOP Stacks

Component to be Pressure Tested	Pressure Test—Low Pressure[ac] psig (MPa)	Pressure Test—High Pressure[ac]	
		Change Out of Component, Elastomer, or Ring Gasket	No Change Out of Component, Elastomer, or Ring Gasket
Annular preventer[b]	250 to 350 (1.72 to 2.41)	RWP of annular preventer	MASP or 70% annular RWP, whichever is lower.
Fixed pipe, variable bore, blind, and BSR preventers[bd]	250 to 350 (1.72 to 2.41)	RWP of ram preventer or wellhead system, whichever is lower	ITP
Choke and kill line and BOP side outlet valves below ram preventers (both sides)	250 to 350 (1.72 to 2.41)	RWP of side outlet valve or wellhead system, whichever is lower	ITP
Choke manifold—upstream of chokes[e]	250 to 350 (1.72 to 2.41)	RWP of ram preventers or wellhead system, whichever is lower	ITP
Choke manifold—downstream of chokes[e]	250 to 350 (1.72 to 2.41)	RWP of valve(s), line(s), or MASP for the well program, whichever is lower	
Kelly, kelly valves, drill pipe safety valves, IBOPs	250 to 350 (1.72 to 2.41)	MASP for the well program	

[a] Pressure test evaluation periods shall be a minimum of five minutes.
No visible leaks.
The pressure shall remain stable during the evaluation period. The pressure shall not decrease below the intended test pressure.

[b] Annular(s) and VBR(s) shall be pressure tested on the largest and smallest OD drill pipe to be used in well program.

[c] For pad drilling operations, moving from one wellhead to another within the 21 days, pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken.

[d] For surface offshore operations, the ram BOPs shall be pressure tested with the ram locks engaged and the closing and locking pressure vented during the initial test. For land operations, the ram BOPs shall be pressure tested with the ram locks engaged and the closing and locking pressure vented at commissioning and annually.

[e] Adjustable chokes are not required to be full sealing devices. Pressure testing against a closed choke is not required.

The Bureau of Safety and Environmental Enforcement (BSEE), Department of Interior, has also utilized the API standards, specification and best practices in the development of its offshore oil and gas regulations and incorporates them by reference within its regulations.

Break testing has been approved by the BLM in the past with other operators based on the detailed information provided in this document.

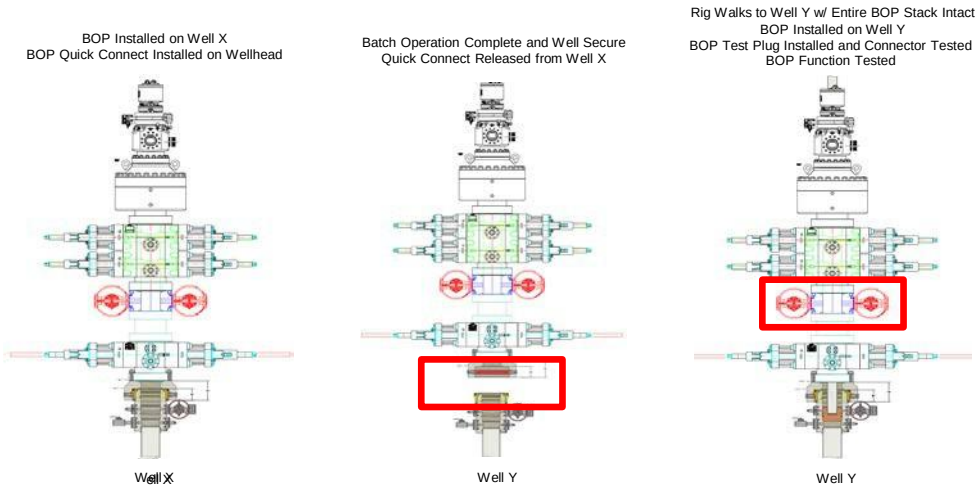
XTO Energy feels break testing and our current procedures meet the intent of CFR Title 43 Part 317 0and often exceed it. There has been no evidence that break testing results in more components failing than seen on full BOP tests. XTO Energy's internal standards requires complete BOPE tests more often than that of CFR Title 43 Part 3170 (Every 21 days). In addition to function testing the annular, pipe rams and blind rams after
each BOP nipple up, XTO Energy performs a choke drill with the rig crew prior to drilling out every casing shoe. This is additional training for the rig crew that exceeds the requirements of the CFR Title 43 Part 3170.

Procedures

1. XTO Energy will use this document for our break testing plan for New Mexico Delaware basin. The summary below will be referenced in the APD or Sundry Notice and receive approval prior to implementing this variance.
2. XTO Energy will perform BOP break testing on multi-wells pads where multiple intermediate sections can be drilled and cased within the 21-day BOP test window.
    a. A full BOP test will be conducted on the first well on the pad.
    b. The first intermediate hole section drilled on the pad will be the deepest. All of the remaining hole sections will be the same depth or shallower.
        i. Our Lower WC targets set the intermediate casing shoe no deeper than the Wolfcamp B.
        ii. Our Upper WC targets set the intermediate casing shoe shallower than the Wolfcamp B.
    c. A Full BOP test will be required if the intermediate hole section being drilled has a MASP over 5M.
    d. A full BOP test will be required prior to drilling any production hole.
3. After performing a complete BOP test on the first well, the intermediate hole section will be drilled and cased, two breaks would be made on the BOP equipment.
    a. Between the HCV valve and choke line connection
    b. Between the BOP quick connect and the wellhead
4. The BOP is then lifted and removed from the wellhead by a hydraulic system.
5. After skidding to the next well, the BOP is moved to the wellhead by the same hydraulic system and installed.
6. The connections mentioned in 3a and 3b will then be reconnected.
7. Install test plug into the wellhead using test joint or drill pipe.
8. A shell test is performed against the upper pipe rams testing the two breaks.
9. The shell test will consist of a 250 psi low test and a high test to the value submitted in the APD or Sundry (e.g. 5,000 psi or 10,000psi).
10. Function test will be performed on the following components: lower pipe rams, blind rams, and annular.

11. For a multi-well pad the same two breaks on the BOP would be made and on the next wells and steps 4 through 10 would be repeated.
12. A second break test would only be done if the intermediate hole section being drilled could not be completed within the 21 day BOP test window.

Note: Picture below highlights BOP components that will be tested during batch operations



Summary

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.

The BOP will be secured by a hydraulic carrier or cradle. The BLM will be contacted if a Well Control event occurs prior to the commencement of a BOPE Break Testing operation.

Based on discussions with the BLM on February 27th 2020 and the supporting documentation submitted to the BLM, 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.

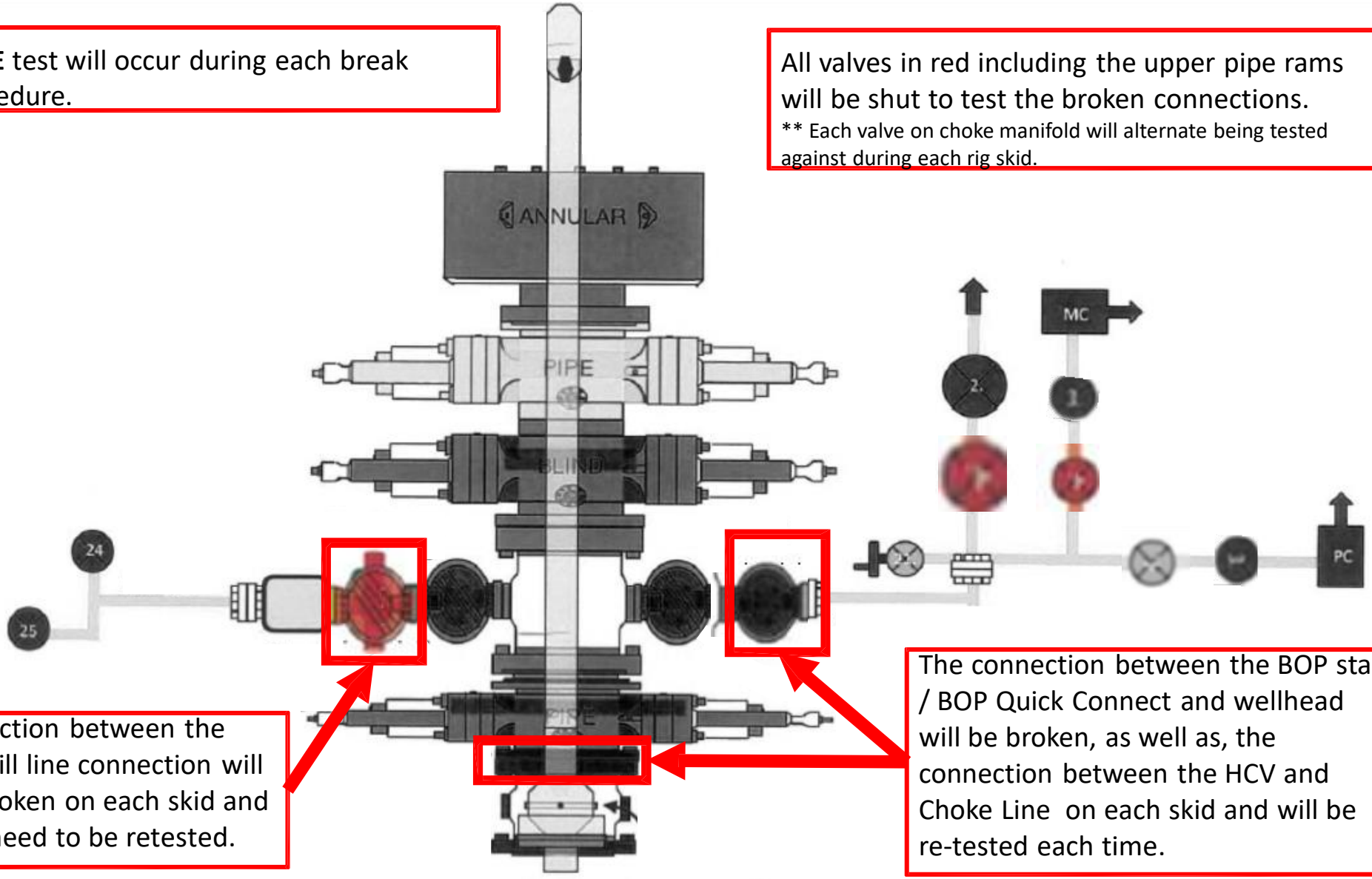
2. The first intermediate hole section drilled on the pad will be the deepest. All of the remaining hole sections will be the same depth or shallower.

3. Full BOP test will be required if the intermediate hole section being drilled has a MASP over 5M.

4. Full BOP test will be required prior to drilling the production hole.

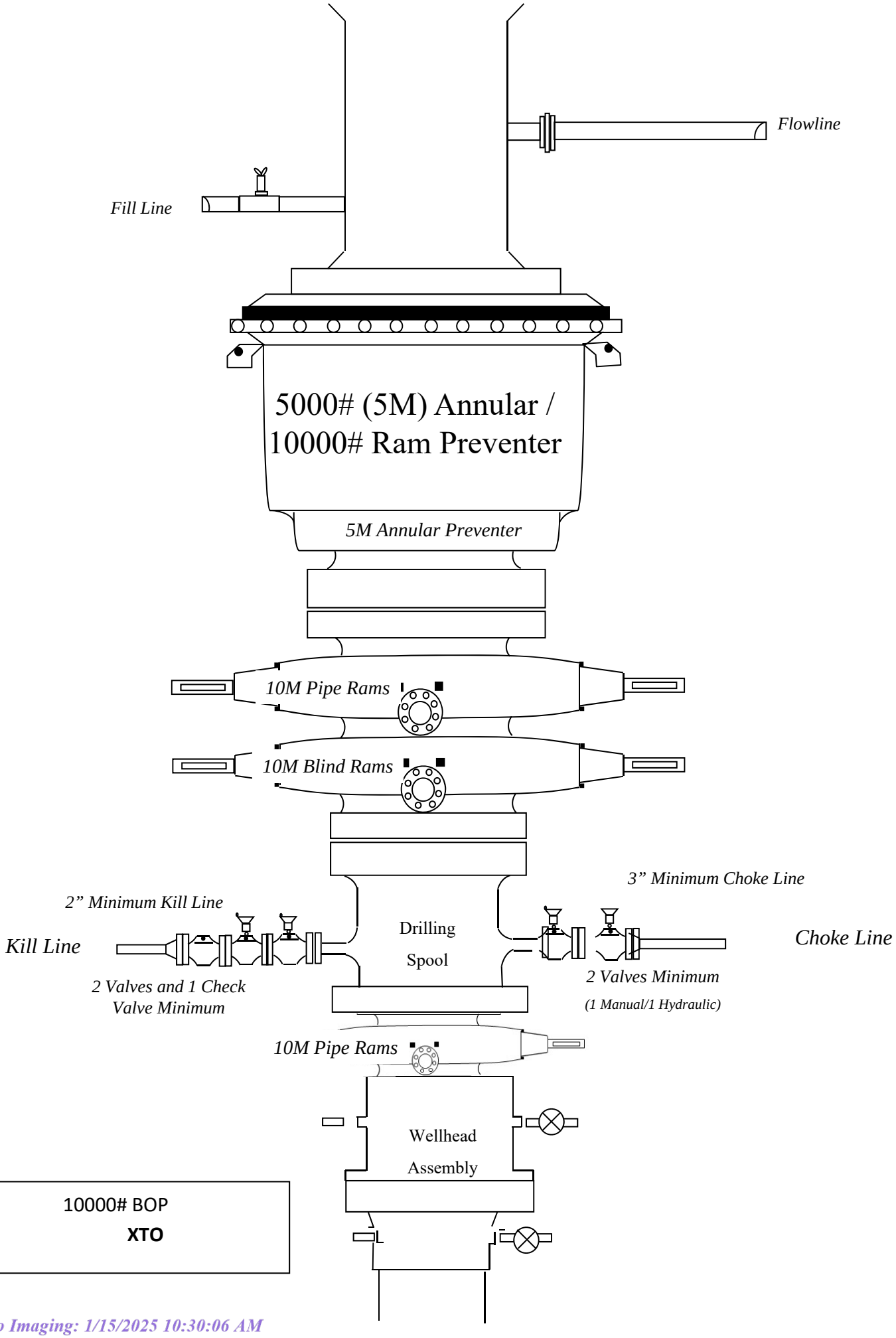
Only **ONE** test will occur during each break test procedure.

All valves in red including the upper pipe rams will be shut to test the broken connections.
** Each valve on choke manifold will alternate being tested against during each rig skid.



The connection between the HCV and kill line connection will **NOT** be broken on each skid and does not need to be retested.

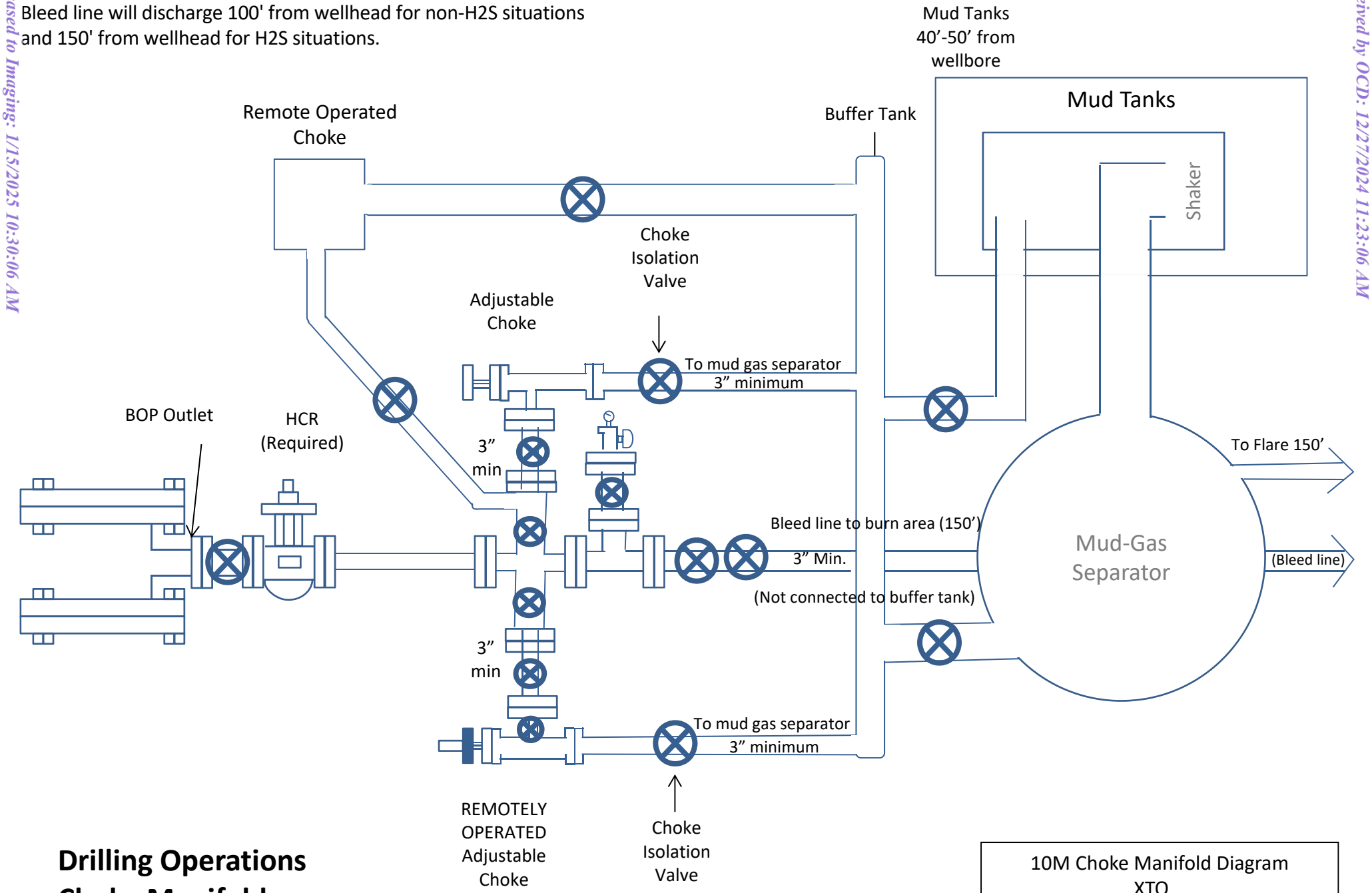
The connection between the BOP stack / BOP Quick Connect and wellhead will be broken, as well as, the connection between the HCV and Choke Line on each skid and will be re-tested each time.



10000# BOP

XTO

Bleed line will discharge 100' from wellhead for non-H2S situations and 150' from wellhead for H2S situations.



Drilling Operations
Choke Manifold
10M Service

10M Choke Manifold Diagram
XTO

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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460 Wildwood Forest Drive, Suite 300S
Spring, Texas 77380

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connections@uss.com
www.usstubular.com

U. S. Steel Tubular Products

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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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XTO Permian Operating, LLC Offline Cementing Variance Request

XTO requests the option to cement the surface and intermediate casing strings offline as a prudent batch drilling efficiency of acreage development.

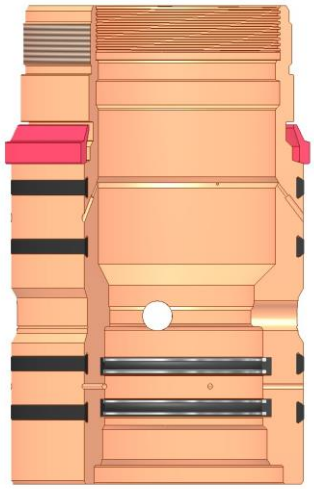
1. Cement Program

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

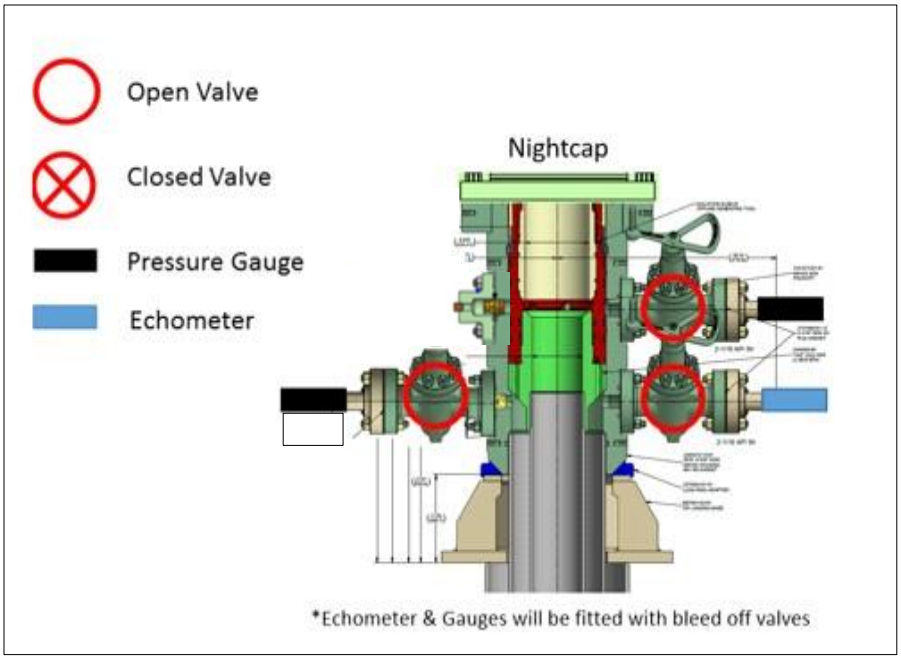
2. Offline Cementing Procedure

The operational sequence will be as follows. If a well control event occurs, the BLM will be contacted for approval prior to conducting offline cementing operations.

1. Run casing as per normal operations. While running casing, conduct negative pressure test and confirm integrity of the float equipment (float collar and shoe)
2. Land casing with mandrel
3. Fill pipe with kill weight fluid, do not circulate through floats and confirm well is static
4. Set annular packoff shown below and pressure test to confirm integrity of the seal. Pressure ratings of wellhead components and valves is 5,000 psi.
5. After confirmation of both annular barriers and internal barriers, nipple down BOP and install cap flange.
    a. If any barrier fails to test, the BOP stack will not be nippled down until after the cement job is completed with cement 500ft above the highest formation capable of flow with kill weight mud above or after it has achieved 50-psi compressive strength if kill weight fluid cannot be verified.



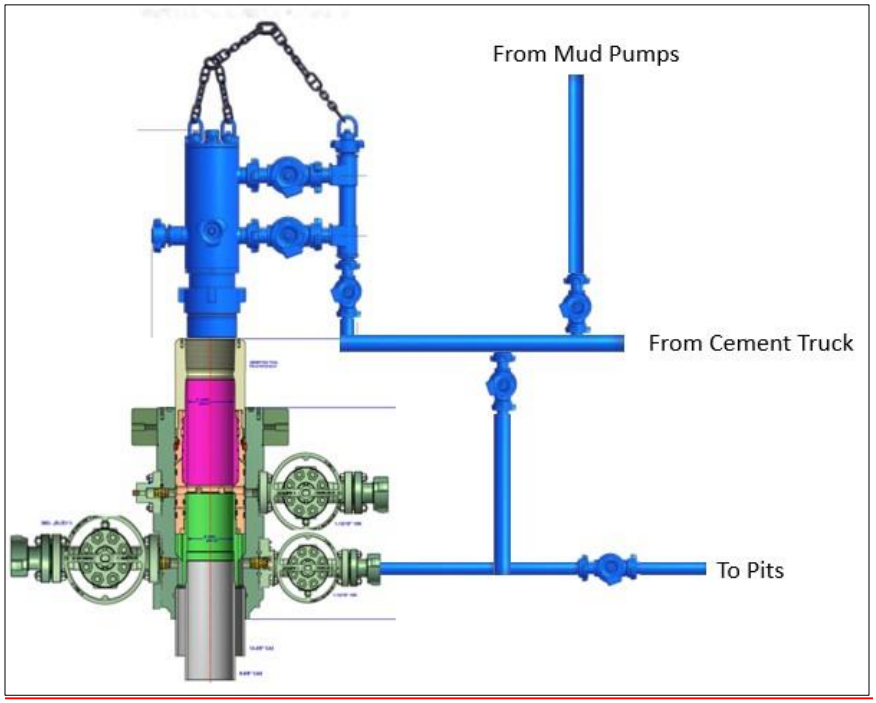
Annular packoff with both external and internal seals



Wellhead diagram during skidding operations

6. Skid rig to next well on pad.
7. Confirm well is static before removing cap flange, flange will not be removed and offline cementing operations will not commence until well is under control. If well is not static, casing outlet valves will provide access to both the casing ID and annulus. Rig or third party pump truck will kill well prior to cementing or nippling up for further remediation.
    a. Well Control Plan
        i. The Drillers Method will be the primary well control method to regain control of the wellbore prior to cementing, if wellbore conditions do not permit the drillers method other methods of well control may be used
        ii. Rig pumps or a 3rd party pump will be tied into the upper casing valve to pump down the casing ID
        iii. A high pressure return line will be rigged up to lower casing valve and run to choke manifold to control annular pressure
        iv. Once influx is circulated out of the hole, kill weight mud will be circulated
        v. Well will be confirmed static
        vi. Once confirmed static, cap flange will be removed to allow for offline cementing operations to commence
8. Install offline cement tool
9. Rig up cement equipment

XTO Permian Operating, LLC Offline Cementing Variance Request



Wellhead diagram during offline cementing operations

10. Circulate bottoms up with cement truck
    a. If gas is present on bottoms up, well will be shut in and returns rerouted through gas buster to handle entrained gas
    b. Max anticipated time before circulating with cement truck is 6 hrs
11. Perform cement job taking returns from the annulus wellhead valve
12. Confirm well is static and floats are holding after cement job
13. Remove cement equipment, offline cement tools and install night cap with pressure gauge for monitoring.

XTO respectfully requests approval to utilize a spudder rig to pre-set surface casing.

Description of Operations:

1. Spudder rig will move in to drill the surface hole and pre-set surface casing on the well.
    a. After drilling the surface hole section, the spudder rig will run casing and cement following all of the applicable rules and regulations (OnShore Order 2, all COAs and NMOCD regulations).
    b. The spudder rig will utilize fresh water-based mud to drill the surface hole to TD. Solids control will be handled entirely on a closed loop basis. No earth pits will be used.
2. The wellhead will be installed and tested as soon as the surface casing is cut off and WOC time has been reached.
3. A blind flange at the same pressure rating as the wellhead will be installed to seal the wellbore. Pressure will be monitored with needle valves installed on two wing valves.
    a. A means for intervention will be maintained while the drilling rig is not over the well.
4. Spudder rig operations are expected to take 2-3 days per well on the pad.
5. The BLM will be contacted and notified 24 hours prior to commencing spudder rig operations.
6. Drilling Operations will begin with a larger rig and a BOP stack equal to or greater than the pressure rating that was permitted will be nippled up and tested on the wellhead before drilling operations resume on each well.
    a. The larger rig will move back onto the location within 90 days from the point at which the wells are secured and the spudder rig is moved off location.
    b. The BLM will be notified 24 hours before the larger rig moves back on the pre-set locations
7. XTO will have supervision on the rig to ensure compliance with all BLM and NMOCD regulations and to oversee operations.
8. Once the rig is removed, XTO will secure the wellhead area by placing a guard rail around the cellar area.

BLACK GOLD®

GATES ENGINEERING & SERVICES NORTH AMERICA
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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. OSUNOS

TITLE: QUALITY ASSURANCE

DATE: 1/25/2024

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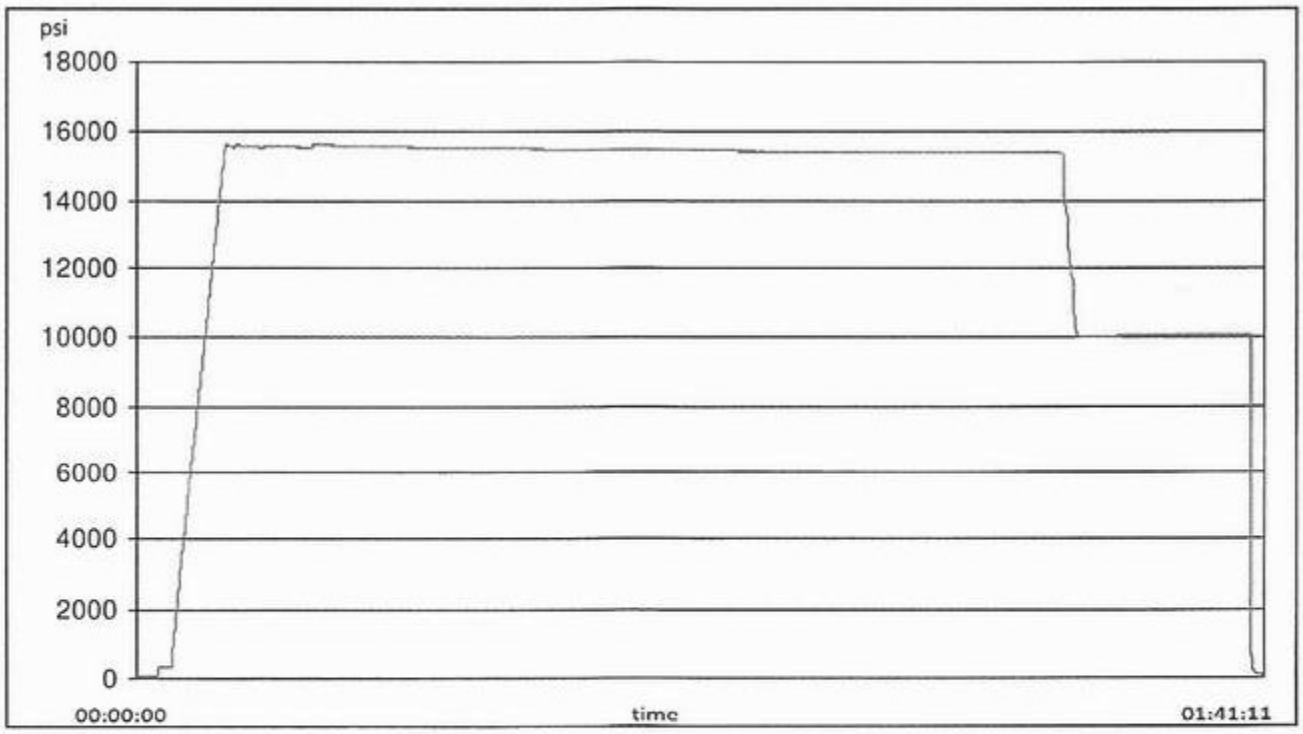
TEST REPORT

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				



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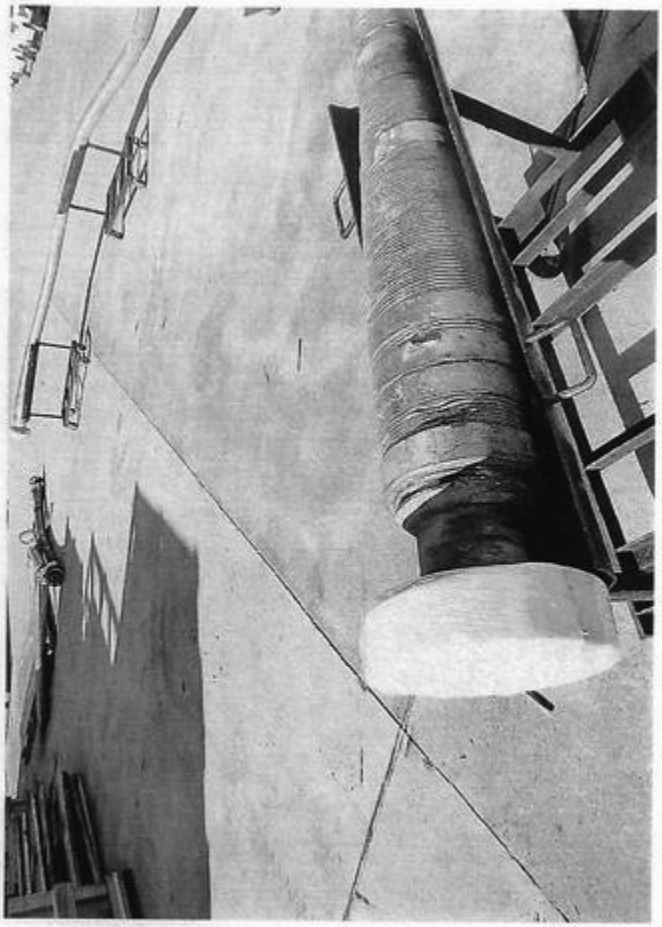
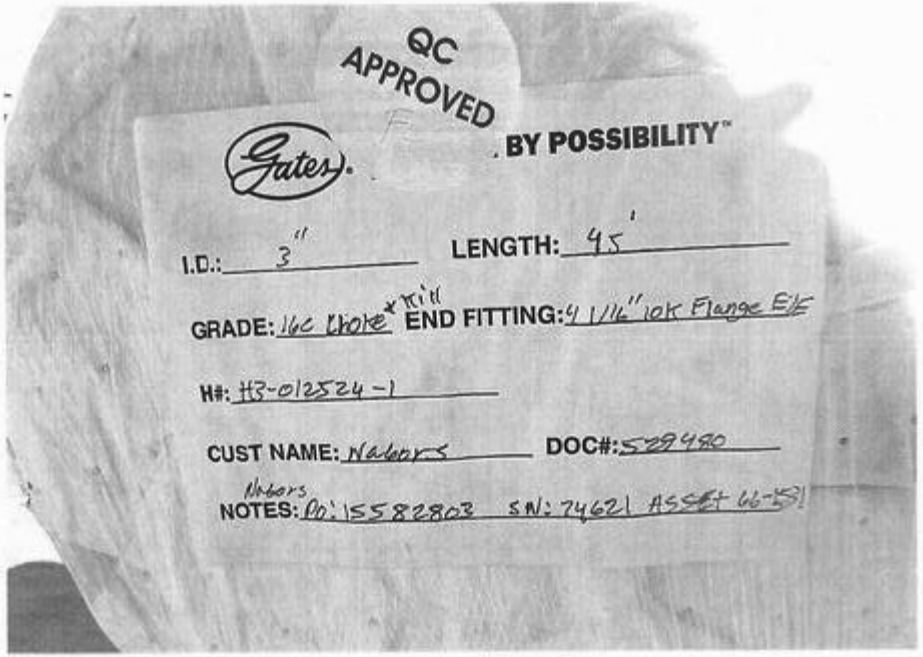
TEST REPORT

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





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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

Operator:	OGRID:
XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	373075
	Action Number: 415509
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Any previous COA's not addressed within the updated COA's still apply.	1/15/2025