

Well Name: POKER LAKE UNIT 27 BD	Well Location: T25S / R30E / SEC 27 / NESW / 32.097906 / -103.870471	County or Parish/State: EDDY / NM
Well Number: 611H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMLC063875	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: 2839994

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 03/04/2025

Time Sundry Submitted: 02:02

Date proposed operation will begin: 03/18/2025

Procedure Description: Poker Lake Unit 27 BD 611H XTO Permian Operating, LLC. respectfully requests approval to make the following changes to the approved APD. Changes to include SHL, KOP, FTP, LTP, BHL, proposed total depth, pool, and dedicated acreage. FROM: TO: SHL: 1489' FSL & 2205' FWL OF SECTION 27-T25S-R30E 1679' FSL & 2203' FWL OF SECTION 27-T25S-R30E KOP: 1489' FSL & 2205' FWL OF SECTION 27-T25S-R30E 2051' FNL & 799' FEL OF SECTION 27-T25S-R30E FTP: 2640' FSL & 2440' FEL OF SECTION 27-T25S-R30E 2566' FSL & 798' FEL OF SECTION 27-T25S-R30E LTP: 2510' FNL & 2440' FEL OF SECTION 10-T26S-R30E 2560' FNL & 827' FEL OF SECTION 10-T26S-R30E BHL: 2560' FNL & 2440' FEL OF SECTION 10-T26S-R30E 2650' FNL & 827' FEL OF SECTION 10-T26S-R30E The proposed total depth is changing from 25927' MD; 9509' TVD to 26890' MD; 9658' TVD. The pool is changing from WC-015 G-06 S243119C; Bone Spring (97975) to Wildcat G-015 S263001O; Bone Spring (97814). There is no new surface disturbance.

NOI Attachments

Procedure Description

POKER_LAKE_UNIT_27_BD_611H_Sundry_Docs_20250304135921.pdf

Well Name: POKER LAKE UNIT 27 BD **Well Location:** T25S / R30E / SEC 27 /
NESW / 32.097906 / -103.870471 **County or Parish/State:** EDDY /
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Well Number: 611H **Type of Well:** OIL WELL **Allottee or Tribe Name:**

Lease Number: NMLC063875 **Unit or CA Name:** POKER LAKE UNIT **Unit or CA Number:**
NMNM71016X

US Well Number: **Operator:** XTO PERMIAN OPERATING
LLC

Conditions of Approval

Additional

Poker_Lake_Unit_27_BD_611H_COA_20250323150626.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: SAMANTHA WEIS

Signed on: MAR 04, 2025 02:01 PM

Name: XTO PERMIAN OPERATING LLC

Title: Permitting Advisor

Street Address: 22777 SPRINGWOODS VILLAGE PARKWAY

City: SPRING

State: TX

Phone: (832) 625-7361

Email address: SAMANTHA.R.BARTNIK@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: 04/01/2025

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 <i>Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.</i>		5. Lease Serial No. NMLC063875
		6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2		7. If Unit of CA/Agreement, Name and/or No. POKER LAKE UNIT/NMNM71016X
1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other	8. Well Name and No. POKER LAKE UNIT 27 BD/611H	
2. Name of Operator XTO PERMIAN OPERATING LLC	9. API Well No.	
3a. Address 6401 HOLIDAY HILL ROAD BLDG 5, MIDLAND,	3b. Phone No. (include area code) (432) 683-2277	10. Field and Pool or Exploratory Area WC-015 G-06 S243119C/Bone Spring
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) SEC 27/T25S/R30E/NMP		11. Country or Parish, State EDDY/NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA				
TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ 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 recompleate 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 recompleation 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.)

Poker Lake Unit 27 BD 611H

XTO Permian Operating, LLC. respectfully requests approval to make the following changes to the approved APD. Changes to include SHL, KOP, FTP, LTP, BHL, proposed total depth, pool, and dedicated acreage.

FROM: TO:

SHL: 1489' FSL & 2205' FWL OF SECTION 27-T25S-R30E 1679' FSL & 2203' FWL OF SECTION 27-T25S-R30E

KOP: 1489 FSL & 2205 FWL OF SECTION 27-T25S-R30E 2051 FNL & 799 FEL OF SECTION 27-T25S-R30E

FTP: 2640' FSL & 2440' FEL OF SECTION 27-T25S-R30E 2566' FSL & 798' FEL OF SECTION 27-T25S-R30E

LTP: 2510' FNL & 2440' FEL OF SECTION 10-T26S-R30E 2560' FNL & 827' FEL OF SECTION 10-T26S-R30E

BHL: 2560' FNL & 2440' FEL OF SECTION 10-T26S-R30E 2650' FNL & 827' FEL OF SECTION 10-T26S-R30E

Continued on page 3 additional information

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) SAMANTHA WEIS / Ph: (832) 625-7361	Title Permitting Advisor
Signature (Electronic Submission)	Date 03/04/2025

THE SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by CHRISTOPHER WALLS / Ph: (575) 234-2234 / Approved	Title Petroleum Engineer	Date 04/01/2025
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office CARLSBAD	

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

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

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

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

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

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

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

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

Response to this request is mandatory.

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

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

Additional Information**Additional Remarks**

The proposed total depth is changing from 25927 MD; 9509 TVD to 26890 MD; 9658 TVD.

The pool is changing from WC-015 G-06 S243119C; Bone Spring (97975) to Wildcat G-015 S263001O; Bone Spring (97814).

There is no new surface disturbance.

Location of Well

0. SHL: NESW / 1489 FSL / 2205 FWL / TWSP: 25S / RANGE: 30E / SECTION: 27 / LAT: 32.097906 / LONG: -103.870471 (TVD: 0 feet, MD: 0 feet)

PPP: NWNW / 0 FNL / 2434 FEL / TWSP: 25S / RANGE: 30E / SECTION: 34 / LAT: 32.093823 / LONG: -103.868314 (TVD: 9509 feet, MD: 12800 feet)

PPP: NWSE / 2640 FSL / 2440 FEL / TWSP: 25S / RANGE: 30E / SECTION: 27 / LAT: 32.101081 / LONG: -103.868309 (TVD: 9509 feet, MD: 10100 feet)

PPP: NWNW / 0 FNL / 2414 FEL / TWSP: 26S / RANGE: 30E / SECTION: 3 / LAT: 32.079173 / LONG: -103.868322 (TVD: 9509 feet, MD: 18100 feet)

PPP: NWSE / 2667 FNL / 2420 FEL / TWSP: 25S / RANGE: 30E / SECTION: 34 / LAT: 32.086491 / LONG: -103.868318 (TVD: 9509 feet, MD: 15400 feet)

BHL: SWNE / 2560 FNL / 2440 FEL / TWSP: 26S / RANGE: 30E / SECTION: 10 / LAT: 32.057511 / LONG: -103.868335 (TVD: 9509 feet, MD: 25927 feet)

CONFIDENTIAL

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO
LEASE NO.:	NMLC063875
LOCATION:	Sec. 27, T.25 S, R 30 E
COUNTY:	Eddy County, New Mexico ▼
WELL NAME & NO.:	Poker Lake Unit 27 BD 611H
SURFACE HOLE FOOTAGE:	1679'/S & 2203'/W
BOTTOM HOLE FOOTAGE:	2650'/N & 827'/E

Changes approved through engineering via **Sundry 283994** on 3-23-2025 _____. Any previous COAs not addressed within the updated COAs still apply.

COA

H ₂ S	☒ No ☐ Yes			
Potash / WIPP	☒ None	☐ Secretary	☐ R-111-Q	☐ Open Annulus ☐ WIPP
	Choose an option (including blank option.)			
Cave / Karst	☒ Low	☐ Medium	☐ High	☐ Critical
Wellhead	☐ Conventional	☒ Multibowl	☐ Both	☐ Diverter
Cementing	☒ Primary Squeeze	☐ Cont. Squeeze	☒ EchoMeter	☐ DV Tool
Special Req	☐ Capitan Reef	☐ Water Disposal	☐ COM	☒ Unit
Waste Prev.	☐ Self-Certification	☐ Waste Min. Plan	☒ APD Submitted prior to 06/10/2024	
Additional Language	☒ Flex Hose	☒ Casing Clearance	☐ Pilot Hole	☒ Break Testing
	☐ Four-String	☒ Offline Cementing	☐ Fluid-Filled	

A. HYDROGEN SULFIDE

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

B. CASING

1. The **9-5/8** inch surface casing shall be set at approximately **1282** 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 5985'**.
 - 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.**

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

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

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

C. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).
2. Operator has proposed a multi-bowl wellhead assembly. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. If the cement does not circulate and one-inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
 - e. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172 must be followed.

D. SPECIAL REQUIREMENT (S)

Unit Wells

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

Commercial Well Determination

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

BOPE Break Testing Variance

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

Offline Cementing

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

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

Casing Clearance

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

GENERAL REQUIREMENTS

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

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)

Contact Eddy County Petroleum Engineering Inspection Staff:

Email or call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220;
BLM_NM_CFO_DrillingNotifications@BLM.GOV; (575) 361-2822

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
 - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
 - b. When the operator proposes to set surface casing with Spudder Rig
 - i. Notify the BLM when moving in and removing the Spudder Rig.
 - ii. Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - iii. BOP/BOPE test to be conducted per **43 CFR 3172** as soon as 2nd Rig is rigged up on well.
2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
3. For intervals in which cement to surface is required, cement to surface should be verified with a visual check and density or pH check to differentiate cement from spacer and drilling mud. The results should be documented in the driller's log and daily reports.

A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.

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

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in **43 CFR 3172**.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's

requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.

3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - i. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - ii. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - iii. Manufacturer representative shall install the test plug for the initial BOP test.
 - iv. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
 - v. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - i. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
 - ii. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve

open. (only applies to single stage cement jobs, prior to the cement setting up.)

- iii. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR 3172** with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for 8 hours or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
- iv. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
- v. The results of the test shall be reported to the appropriate BLM office.
- vi. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- vii. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- viii. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per **43 CFR 3172**.

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

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

disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

Approved by Zota Stevens on 3/23/2025
575-234-5998 / zstevens@blm.gov

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024 Submittal Type: ☐ Initial Submittal ☒ Amended Report ☐ As Drilled							
WELL LOCATION INFORMATION									
API Number 30-015	Pool Code 97814	Pool Name Wildcat G-015 S2630010; Bone Spring							
Property Code	Property Name POKER LAKE UNIT 27 BD	Well Number 611H							
ORGID No. 373075	Operator Name XTO PERMIAN OPERATING, LLC.	Ground Level Elevation 3,277'							
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal		Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal							
Surface Location									
UL K	Section 27	Township 25 S	Range 30 E	Lot	Ft. from N/S 1,679' FSL	Ft. from E/W 2,203' FWL	Latitude 32.098427	Longitude -103.870473	County EDDY
Bottom Hole Location									
UL H	Section 10	Township 26 S	Range 30 E	Lot	Ft. from N/S 2,650' FNL	Ft. from E/W 827' FEL	Latitude 32.057276	Longitude -103.863129	County EDDY
Dedicated Acres 480		Infill or Defining Well DEFINING		Defining Well API		Overlapping Spacing Unit (Y/N) N		Consolidation Code U	
Order Numbers.						Well setbacks are under Common Ownership: ☒ Yes ☐ No			
Kick Off Point (KOP)									
UL H	Section 27	Township 25 S	Range 30 E	Lot	Ft. from N/S 2,051' FNL	Ft. from E/W 799' FEL	Latitude 32.102871	Longitude -103.863002	County EDDY
First Take Point (FTP)									
UL I	Section 27	Township 25 S	Range 30 E	Lot	Ft. from N/S 2,566' FSL	Ft. from E/W 798' FEL	Latitude 32.100902	Longitude -103.863008	County EDDY
Last Take Point (LTP)									
UL H	Section 10	Township 26 S	Range 30 E	Lot	Ft. from N/S 2,560' FNL	Ft. from E/W 827' FEL	Latitude 32.057523	Longitude -103.863130	County EDDY
Unitized Area or Area of Uniform Interest NMNM-071016X				Spacing Unit Type ☒ Horizontal ☐ Vertical			Ground Floor Elevation: 3,277'		
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. <i>Samantha Weis</i> 3/4/2025 Signature Date Printed Name samantha.r.bartnik@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. 22 Jan 2025 TIM C. PAPPAS REGISTERED PROFESSIONAL LAND SURVEYOR STATE OF NEW MEXICO NO. 21209 Signature and Seal of Professional Surveyor Certificate Number TIM C. PAPPAS 21209 Date of Survey 01/22/2025				
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
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DATE: 1-22-2025
 DRAWN BY: LM
 CHECKED BY: CH
 FIELD CREW: IR
 PROJECT NO: 2023040152
 SCALE:
 SHEET: 1 OF 2
 REVISION:

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.

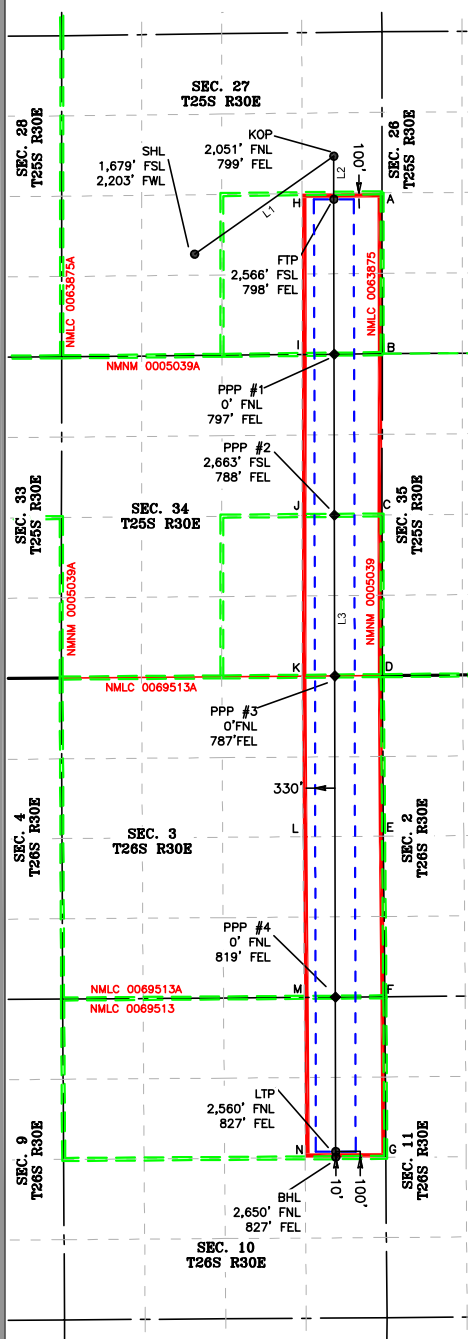
Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.

LEGEND

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

LINE TABLE

LINE	AZIMUTH	LENGTH
L1	54° 48' 30"	2,822.25'
L2	179° 53' 25"	716.13'
L3	179° 53' 10"	15,870.67'



COORDINATE TABLE

SHL (NAD 83 NME)			LTP (NAD 83 NME)		
Y =	399,852.2	N	Y =	384,981.9	N
X =	684,665.8	E	X =	687,004.6	E
LAT. =	32.098427	°N	LAT. =	32.057523	°N
LONG. =	103.870473	°W	LONG. =	103.863130	°W
KOP (NAD 83 NME)			BHL (NAD 83 NME)		
Y =	401,478.7	N	Y =	384,891.9	N
X =	686,972.2	E	X =	687,005.1	E
LAT. =	32.102871	°N	LAT. =	32.057276	°N
LONG. =	103.863002	°W	LONG. =	103.863129	°W
FTP (NAD 83 NME)					
Y =	400,762.5	N			
X =	686,973.6	E			
LAT. =	32.100902	°N			
LONG. =	103.863008	°W			
SHL (NAD 27 NME)			LTP (NAD 27 NME)		
Y =	399,794.2	N	Y =	384,924.3	N
X =	643,480.5	E	X =	645,818.8	E
LAT. =	32.098303	°N	LAT. =	32.057398	°N
LONG. =	103.869992	°W	LONG. =	103.862651	°W
KOP (NAD 27 NME)			BHL (NAD 27 NME)		
Y =	401,420.7	N	Y =	384,834.3	N
X =	645,786.9	E	X =	645,819.3	E
LAT. =	32.102747	°N	LAT. =	32.057151	°N
LONG. =	103.862521	°W	LONG. =	103.862651	°W
FTP (NAD 27 NME)					
Y =	400,704.5	N			
X =	645,788.3	E			
LAT. =	32.100778	°N			
LONG. =	103.862527	°W			
PPP #1 (NAD 83 NME)			PPP #1 (NAD 27 NME)		
Y =	398,196.6	N	Y =	398,138.7	N
X =	686,978.6	E	X =	645,793.2	E
LAT. =	32.093849	°N	LAT. =	32.093724	°N
LONG. =	103.863028	°W	LONG. =	103.862547	°W
PPP #2 (NAD 83 NME)			PPP #2 (NAD 27 NME)		
Y =	395,526.1	N	Y =	395,468.3	N
X =	686,983.9	E	X =	645,798.4	E
LAT. =	32.086508	°N	LAT. =	32.086383	°N
LONG. =	103.863048	°W	LONG. =	103.862568	°W
PPP #3 (NAD 83 NME)			PPP #3 (NAD 27 NME)		
Y =	392,863.5	N	Y =	392,805.7	N
X =	686,989.1	E	X =	645,803.5	E
LAT. =	32.079189	°N	LAT. =	32.079064	°N
LONG. =	103.863069	°W	LONG. =	103.862589	°W
PPP #4 (NAD 83 NME)			PPP #4 (NAD 27 NME)		
Y =	387,542.0	N	Y =	387,484.4	N
X =	686,999.5	E	X =	645,813.8	E
LAT. =	32.064560	°N	LAT. =	32.064436	°N
LONG. =	103.863110	°W	LONG. =	103.862631	°W

CORNER COORDINATES (NAD83 NME)

A - Y =	400,871.2	N	A - X =	687,771.6	E
B - Y =	398,204.6	N	B - X =	687,775.9	E
C - Y =	395,532.5	N	C - X =	687,772.0	E
D - Y =	392,869.6	N	D - X =	687,776.5	E
E - Y =	390,208.8	N	E - X =	687,794.0	E
F - Y =	387,547.8	N	F - X =	687,818.3	E
G - Y =	384,887.4	N	G - X =	687,832.5	E
H - Y =	400,856.8	N	H - X =	686,444.5	E
I - Y =	398,191.3	N	I - X =	686,447.3	E
J - Y =	395,521.7	N	J - X =	686,444.8	E
K - Y =	392,859.2	N	K - X =	686,446.4	E
L - Y =	390,199.1	N	L - X =	686,462.3	E
M - Y =	387,538.3	N	M - X =	686,481.6	E
N - Y =	384,878.5	N	N - X =	686,497.9	E

CORNER COORDINATES (NAD27 NME)

A - Y =	400,813.2	N	A - X =	646,586.3	E
B - Y =	398,146.7	N	B - X =	646,590.5	E
C - Y =	395,474.7	N	C - X =	646,586.5	E
D - Y =	392,811.8	N	D - X =	646,590.9	E
E - Y =	390,151.1	N	E - X =	646,608.3	E
F - Y =	387,490.2	N	F - X =	646,632.5	E
G - Y =	384,829.8	N	G - X =	646,646.7	E
H - Y =	400,798.8	N	H - X =	645,259.2	E
I - Y =	398,133.4	N	I - X =	645,261.9	E
J - Y =	395,463.9	N	J - X =	645,259.3	E
K - Y =	392,801.4	N	K - X =	645,260.9	E
L - Y =	390,141.4	N	L - X =	645,276.7	E
M - Y =	387,480.7	N	M - X =	645,295.9	E
N - Y =	384,820.9	N	N - X =	645,312.1	E



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DATE: 1-22-2025 PROJECT NO: 2023040152
 DRAWN BY: LM SCALE: 1" = 2,500'
 CHECKED BY: CH SHEET: 2 OF 2
 FIELD CREW: IR REVISION: NO

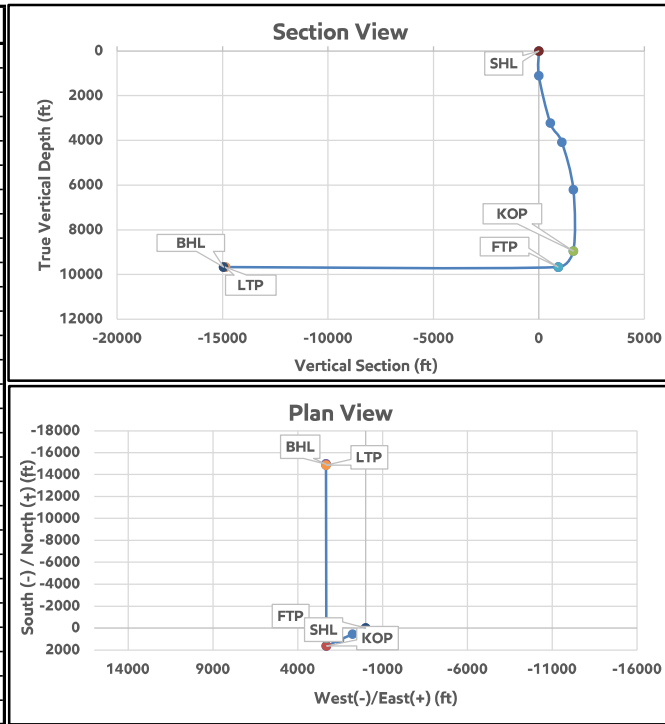
ExxonMobil

Projected TD: 26890' MD / 9658' TVD

BHL: 2650' FNL & 827' FEL, Section 10, T26S, R30E

Eddy County, NM

A.	Quaternary
----	------------

[illegible]

	Inclination (°)	Azimuth (°)	True Vertical Depth (ft)	Y Offset (ft)	X Offset (ft)
SHL	0	0	0	0	0
KOP	0	0	8942	1627	2306
LP	90	180	9658	910	2308
FTP	90	180	9658	910	2308
LTP	90	180	9658	-14870	2338
BHL	90	180	9658	-14960	2338

*** Deepest Expected Groundwater Depth: 40' (per NM State Engineers Office).

No other formations are expected to give up oil, gas or fresh water in measurable quantities. Surface fresh water sands will be protected by setting 9-5/8" inch casing at 1318' and circulating cement back to surface.

3. Primary Casing Design

Primary Design:

Hole Size	MD	Casing TVD	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0' – 1318'	1294'	9-5/8"	40	J55	BTC	New	9.82	4.59	4.80
8.75	0' – 9694'	8403'	7-5/8"	29.7	L80-IC	Tenaris Wedge 511	New	3.35	3.24	2.49
6.75	0' – 9494'	8294'	5-1/2"	20	P110-CY	TPN	New	1.18	3.09	2.68
6.75	9494' – 26890'	9658'	5-1/2"	20	P110-IC	Tenaris Wedge 441	New	1.18	2.94	2.86

Section 3 Summary:

XTO will keep casing fluid filled to meet BLM's collapse requirement.
The planned kick off point is located at: 9894' MD / 8942' TVD.

Wellhead:

A multi-bowl wellhead system will be utilized.The well design chosen is: 3-String Slim Non-Potash

Wellhead will be installed by manufacturer's representatives.

Manufacturer will monitor welding process to ensure appropriate temperature of seal.

4. Cement Program

Primary Cementing								
Hole Section	Slurry Type	No. Sacks	Density (ppg)	Yield (ft3/sack)	TOC (ft)	Casing Setting Depth (MD)	Excess (%)	Slurry Description
Surface 1	Lead	302	12.4	2.11	0	1,318	100%	
Surface 1	Tail	141	14.8	1.33	1018	1,318	100%	
Intermediate 1	Lead							
Intermediate 1	Tail	347	14.8	1.45	5985	9,694	35%	
Production 1	Lead							
Production 1	Tail	1334	13.2	1.44	9194	26,890	30%	
Remedial Cementing								
Casing	Slurry Type	No. Sacks	Density (ppg)	Yield (ft3/sack)	Cemented Interval	Excess (%)	Slurry Description	
Intermediate 1	Bradenhead Squeeze	622	14.8	1.45	0 – 5985'	50%	Intermediate Class C Bradenhead Squeeze Cement	

Section 4 Summary:

*Bradenhead Squeeze 2nd Stage Offline

5. Pressure Control Equipment**Section 5 Summary:**

Once the permanent WH is installed on the casing, the blow out preventer equipment (BOP) will consist of a minimum 5M Hydril and a minimum 10M triple Ram BOP.

All BOP testing will be done by an independent service company. Operator will Test as per 43CFR-3172

Requested Variances**4A) Offline Cementing Variance**

XOM 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. XOM 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. Offline cement operations will then be conducted after the rig is moved off the current well to the next well in the batch sequence. The TA cap will also be installed when applicable per wellhead manufacturer's procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops.

5A) Break Test Variance

A break testing variance is requested to ONLY test broken pressure seals on the BOP equipment when moving from wellhead to wellhead for the intermediate hole sections which is in compliance with API Standard 53. The maximum anticipated surface pressure at the deepest intermediate casing point is less than 4800psi.

5B) Flex Hose Variance

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.

5C) 10M Annular Variance

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

8A) Open Hole Logging Variance

Open hole logging will not be done on this well.

10A) Spudder Rig Variance

XOM requests the option to utilize a spudder rig (Atlas Copco RD20 or Equivalent) to set and cement surface casing.

10B) Batch Drilling Variance

XOM requests a variance to be able to batch drill this well. In doing so, XOM will set casing and ensure that the well is cemented properly (unless approval is given for offline cementing) and the well is static. XOM will contact the BLM to skid the rig to drill the remaining wells on the pad. Once surface and intermediate strings are all completed, XOM will begin drilling the production hole on each of the wells.

6. Proposed Mud Circulation System

INTERVAL	Hole Size	Mud Type	MW	Viscosity	Fluid Loss	Comments
			(ppg)	(sec/qt)	(cc)	

0' - 1318'	12.25"	FW/Native	8.3 - 8.7	35-40	NC	Fresh Water or Native Water
1318' - 9694'	8.75"	BDE/OBM or FW/Brine	9.5 - 10	30-32	NC	Fluid type will be based upon on well conditions. A fully saturated system will be used across the salt interval.
9694' - 9494'	6.75"	OBM	9 - 9.6	50-60	NC - 20	OBM or Cut Brine depending on Well Conditions
9494' - 26890'	6.75"	OBM	9 - 9.6	50-60	NC - 20	OBM or Cut Brine depending on Well Conditions

Section 6 Summary:

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 a fully saturated brine 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. An EDR (Electronic Drilling Recorder) 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**Section 7 Summary:**

A Kelly cock will be in the drill string at all times.

A full opening drill pipe stabbing valve having appropriate connections will be on the rig floor at all times.

H2S monitors will be on location when drilling below the 9-5/8" casing.

8. Logging, Coring and Testing Program**Section 8 Summary:**

Open hole logging will not be done on this well.

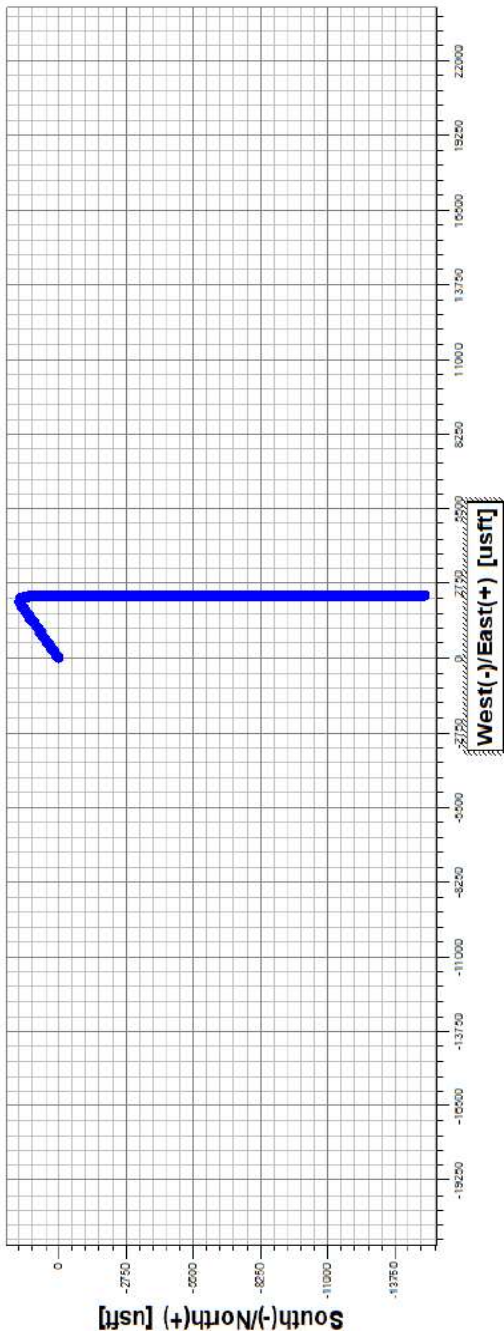
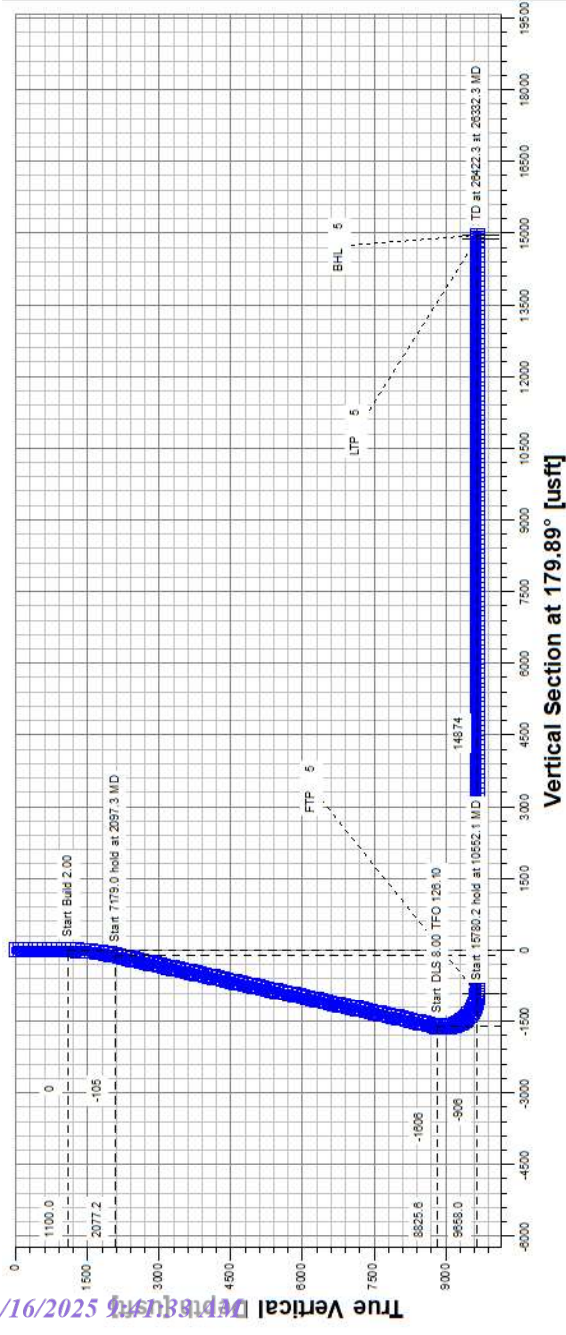
9. Abnormal Pressures and Temperatures / Potential Hazards**Section 9 Summary:**

The estimated bottom hole temperature of 162F to 182F. 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 is possible throughout the well.

10. Anticipated Starting Date and Duration of Operations**Section 10 Summary:**

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

Poker Lake Unit 27 BD 611H



Formation	TVDSS (feet)	TVD (feet)
Rustler	2,258'	1,052'
Salado	1,966'	1,343'
Base of Salt	-375'	3,685'
Delaware	-571'	3,880'
Cherry Canyon	-1,531'	4,840'
Brushy Canyon	-2,676'	5,985'
Basal Brushy Canyon	-4,113'	7,422'
Bone Spring Lm.	-4,367'	7,676'
Avalon Shale	-4,518'	7,827'
Lower Avalon Shale	-4,915'	8,224'
1st Bone Spring Lime	-5,102'	8,411'
1st Bone Spring Sand	-5,327'	8,636'
2nd Bone Spring Shale	-5,596'	8,905'
2nd Bone Spring Lime	-5,807'	9,116'
2nd Bone Spring Sand	-6,189'	9,498'
2nd BS Sand Lower Landing	-6,349'	9,658'
3rd Bone Spring Lime	-6,495'	9,804'

Well Plan Report - Poker Lake Unit 27 BD 611H

Measured Depth:	26889.52 ft	Site:	E
TVD RKB:	9658.00 ft	Slot:	Poker Lake Unit 27 BD 611H
Location			
Cartographic Reference System:	New Mexico East - NAD 27		
Northing:	399794.20 ft		
Easting:	643480.50 ft		
RKB:	3309.00 ft		
Ground Level:	3277.00 ft		
North Reference:	Grid		
Convergence Angle:	0.25 Deg		

Plan Sections

Measured				TVD			
Depth	Inclination	Azimuth	RKB	Y Offset	X Offset	Build	Turn
(ft)	(Deg)	(Deg)	(ft)	(ft)	(ft)	(Deg/100ft)	Rate
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
3486.76	47.74	54.81	3220.07	540.61	766.60	2.00	0.00
4765.25	47.74	54.81	4079.93	1085.89	1539.81	0.00	0.00
7152.01	0.00	0.00	6200.00	1626.50	2306.42	-2.00	0.00
9893.81	0.00	0.00	8941.80	1626.50	2306.42	0.00	0.00
11018.81	90.00	179.89	9658.00	910.30	2307.80	8.00	0.00
26799.04	90.00	179.89	9658.00	-14869.90	2338.30	0.00	0.00
26889.52	90.00	179.89	9658.00	-14960.38	2338.47	0.00	0.00

Build				Dogleg			
Rate	(Deg/100ft)	Rate	(Deg/100ft)	Rate	(Deg/100ft)	Rate	(Deg/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.00	0.00	0.00	0.00	2.00	0.00	2.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-2.00	0.00	0.00	0.00	2.00	0.00	2.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.00	0.00	0.00	0.00	8.00	0.00	8.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Position Uncertainty

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

Poker Lake Unit 27 BD 611H								
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Well Plan Report

Depth (ft)	Inclination (°)	Azimuth (°)	RKB (ft)	Error (ft)	Bias (ft)	Error (ft)	Bias (ft)	Error (ft)	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	XOM_R2OWSG MWD+IFR1+MS
100.000	0.000	0.000	100.000	0.358	0.000	0.179	0.000	2.300	0.000	0.358	0.179	90.000	XOM_R2OWSG MWD+IFR1+MS
200.000	0.000	0.000	200.000	0.717	0.000	0.538	0.000	2.309	0.000	0.717	0.538	90.000	XOM_R2OWSG MWD+IFR1+MS
300.000	0.000	0.000	300.000	1.075	0.000	0.896	0.000	2.325	0.000	1.075	0.896	90.000	XOM_R2OWSG MWD+IFR1+MS
400.000	0.000	0.000	400.000	1.434	0.000	1.255	0.000	2.347	0.000	1.434	1.255	90.000	XOM_R2OWSG MWD+IFR1+MS
500.000	0.000	0.000	500.000	1.792	0.000	1.613	0.000	2.374	0.000	1.792	1.613	90.000	XOM_R2OWSG MWD+IFR1+MS
600.000	0.000	0.000	600.000	2.151	0.000	1.972	0.000	2.406	0.000	2.151	1.972	90.000	XOM_R2OWSG MWD+IFR1+MS
700.000	0.000	0.000	700.000	2.509	0.000	2.330	0.000	2.443	0.000	2.509	2.330	90.000	XOM_R2OWSG MWD+IFR1+MS
800.000	0.000	0.000	800.000	2.868	0.000	2.689	0.000	2.484	0.000	2.868	2.689	90.000	XOM_R2OWSG MWD+IFR1+MS
900.000	0.000	0.000	900.000	3.226	0.000	3.047	0.000	2.530	0.000	3.226	3.047	90.000	XOM_R2OWSG MWD+IFR1+MS
1000.000	0.000	0.000	1000.000	3.585	0.000	3.405	0.000	2.579	0.000	3.585	3.405	90.000	XOM_R2OWSG MWD+IFR1+MS
1100.000	0.000	0.000	1100.000	3.943	0.000	3.764	0.000	2.632	0.000	3.943	3.764	90.000	XOM_R2OWSG MWD+IFR1+MS
1200.000	2.000	54.808	1199.980	4.177	0.000	4.239	0.000	2.688	0.000	4.298	4.118	90.087	XOM_R2OWSG MWD+IFR1+MS
1300.000	4.000	54.808	1299.838	4.523	0.000	4.591	0.000	2.745	0.000	4.652	4.470	90.407	XOM_R2OWSG MWD+IFR1+MS
1400.000	6.000	54.808	1399.452	4.865	0.000	4.945	0.000	2.803	0.000	5.008	4.823	90.743	XOM_R2OWSG MWD+IFR1+MS
1500.000	8.000	54.808	1498.702	5.202	0.000	5.300	0.000	2.862	0.000	5.366	5.175	90.996	XOM_R2OWSG MWD+IFR1+MS
1600.000	10.000	54.808	1597.465	5.536	0.000	5.658	0.000	2.923	0.000	5.726	5.529	91.069	XOM_R2OWSG MWD+IFR1+MS
1700.000	12.000	54.808	1695.623	5.866	0.000	6.019	0.000	2.986	0.000	6.090	5.883	90.873	XOM_R2OWSG MWD+IFR1+MS
1800.000	14.000	54.808	1793.055	6.193	0.000	6.384	0.000	3.052	0.000	6.457	6.239	90.331	XOM_R2OWSG MWD+IFR1+MS

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1900.000	16.000	54.808	1889.643	6.517	0.000	6.755	0.000	3.122	0.000	0.000	6.829	6.596	89.385	XOM_R2OWSG MWD+IFR1+MS
2000.000	18.000	54.808	1985.268	6.839	0.000	7.133	0.000	3.198	0.000	0.000	7.207	6.956	88.007	XOM_R2OWSG MWD+IFR1+MS
2100.000	20.000	54.808	2079.816	7.159	0.000	7.519	0.000	3.280	0.000	0.000	7.593	7.319	86.201	XOM_R2OWSG MWD+IFR1+MS
2200.000	22.000	54.808	2173.169	7.479	0.000	7.916	0.000	3.371	0.000	0.000	7.987	7.684	84.020	XOM_R2OWSG MWD+IFR1+MS
2300.000	24.000	54.808	2265.215	7.798	0.000	8.325	0.000	3.472	0.000	0.000	8.393	8.052	81.561	XOM_R2OWSG MWD+IFR1+MS
2400.000	26.000	54.808	2355.841	8.118	0.000	8.749	0.000	3.586	0.000	0.000	8.813	8.422	78.953	XOM_R2OWSG MWD+IFR1+MS
2500.000	28.000	54.808	2444.937	8.438	0.000	9.189	0.000	3.715	0.000	0.000	9.249	8.793	76.336	XOM_R2OWSG MWD+IFR1+MS
2600.000	30.000	54.808	2532.394	8.760	0.000	9.647	0.000	3.860	0.000	0.000	9.703	9.166	73.831	XOM_R2OWSG MWD+IFR1+MS
2700.000	32.000	54.808	2618.107	9.084	0.000	10.126	0.000	4.024	0.000	0.000	10.177	9.540	71.523	XOM_R2OWSG MWD+IFR1+MS
2800.000	34.000	54.808	2701.970	9.411	0.000	10.628	0.000	4.209	0.000	0.000	10.675	9.914	69.458	XOM_R2OWSG MWD+IFR1+MS
2900.000	36.000	54.808	2783.881	9.740	0.000	11.154	0.000	4.416	0.000	0.000	11.197	10.287	67.647	XOM_R2OWSG MWD+IFR1+MS
3000.000	38.000	54.808	2863.740	10.072	0.000	11.707	0.000	4.648	0.000	0.000	11.746	10.659	66.079	XOM_R2OWSG MWD+IFR1+MS
3100.000	40.000	54.808	2941.451	10.408	0.000	12.287	0.000	4.906	0.000	0.000	12.324	11.029	64.730	XOM_R2OWSG MWD+IFR1+MS
3200.000	42.000	54.808	3016.918	10.747	0.000	12.898	0.000	5.190	0.000	0.000	12.931	11.396	63.575	XOM_R2OWSG MWD+IFR1+MS
3300.000	44.000	54.808	3090.050	11.089	0.000	13.539	0.000	5.501	0.000	0.000	13.570	11.759	62.585	XOM_R2OWSG MWD+IFR1+MS
3400.000	46.000	54.808	3160.757	11.435	0.000	14.212	0.000	5.841	0.000	0.000	14.241	12.117	61.735	XOM_R2OWSG MWD+IFR1+MS
3486.756	47.735	54.808	3220.069	11.737	0.000	14.822	0.000	6.157	0.000	0.000	14.848	12.424	61.098	XOM_R2OWSG MWD+IFR1+MS
3500.000	47.735	54.808	3228.976	11.809	0.000	14.916	0.000	6.203	0.000	0.000	14.942	12.473	61.015	XOM_R2OWSG MWD+IFR1+MS
3600.000	47.735	54.808	3296.232	12.351	0.000	15.645	0.000	6.603	0.000	0.000	15.669	12.819	60.403	XOM_R2OWSG MWD+IFR1+MS
3700.000	47.735	54.808	3363.488	12.902	0.000	16.389	0.000	7.012	0.000	0.000	16.412	13.170	59.916	XOM_R2OWSG MWD+IFR1+MS

3800.000	47.735	54.808	3430.743	13.461	0.000	17.146	0.000	7.428	0.000	0.000	17.168	13.526	59.522	XOM_R2OWSG MWD+IFR1+MS
3900.000	47.735	54.808	3497.999	14.025	0.000	17.915	0.000	7.852	0.000	0.000	17.936	13.886	59.196	XOM_R2OWSG MWD+IFR1+MS
4000.000	47.735	54.808	3565.255	14.595	0.000	18.694	0.000	8.281	0.000	0.000	18.714	14.250	58.923	XOM_R2OWSG MWD+IFR1+MS
4100.000	47.735	54.808	3632.511	15.170	0.000	19.482	0.000	8.715	0.000	0.000	19.502	14.618	58.691	XOM_R2OWSG MWD+IFR1+MS
4200.000	47.735	54.808	3699.767	15.749	0.000	20.278	0.000	9.152	0.000	0.000	20.297	14.990	58.492	XOM_R2OWSG MWD+IFR1+MS
4300.000	47.735	54.808	3767.023	16.333	0.000	21.081	0.000	9.594	0.000	0.000	21.100	15.364	58.320	XOM_R2OWSG MWD+IFR1+MS
4400.000	47.735	54.808	3834.279	16.919	0.000	21.890	0.000	10.038	0.000	0.000	21.909	15.742	58.169	XOM_R2OWSG MWD+IFR1+MS
4500.000	47.735	54.808	3901.535	17.509	0.000	22.705	0.000	10.486	0.000	0.000	22.723	16.123	58.036	XOM_R2OWSG MWD+IFR1+MS
4600.000	47.735	54.808	3968.791	18.102	0.000	23.525	0.000	10.935	0.000	0.000	23.543	16.506	57.918	XOM_R2OWSG MWD+IFR1+MS
4700.000	47.735	54.808	4036.046	18.698	0.000	24.349	0.000	11.387	0.000	0.000	24.367	16.892	57.813	XOM_R2OWSG MWD+IFR1+MS
4765.251	47.735	54.808	4079.931	19.087	0.000	24.888	0.000	11.683	0.000	0.000	24.905	17.145	57.750	XOM_R2OWSG MWD+IFR1+MS
4800.000	47.040	54.808	4103.458	19.353	0.000	25.174	0.000	11.841	0.000	0.000	25.191	17.280	57.720	XOM_R2OWSG MWD+IFR1+MS
4900.000	45.040	54.808	4172.870	20.098	0.000	25.984	0.000	12.284	0.000	0.000	26.001	17.675	57.645	XOM_R2OWSG MWD+IFR1+MS
5000.000	43.040	54.808	4244.751	20.812	0.000	26.770	0.000	12.709	0.000	0.000	26.787	18.080	57.588	XOM_R2OWSG MWD+IFR1+MS
5100.000	41.040	54.808	4319.015	21.493	0.000	27.530	0.000	13.113	0.000	0.000	27.548	18.494	57.547	XOM_R2OWSG MWD+IFR1+MS
5200.000	39.040	54.808	4395.571	22.140	0.000	28.263	0.000	13.496	0.000	0.000	28.281	18.915	57.520	XOM_R2OWSG MWD+IFR1+MS
5300.000	37.040	54.808	4474.324	22.751	0.000	28.967	0.000	13.857	0.000	0.000	28.985	19.342	57.504	XOM_R2OWSG MWD+IFR1+MS
5400.000	35.040	54.808	4555.181	23.324	0.000	29.641	0.000	14.197	0.000	0.000	29.659	19.774	57.497	XOM_R2OWSG MWD+IFR1+MS
5500.000	33.040	54.808	4638.041	23.858	0.000	30.285	0.000	14.514	0.000	0.000	30.304	20.207	57.499	XOM_R2OWSG MWD+IFR1+MS
5600.000	31.040	54.808	4722.805	24.352	0.000	30.898	0.000	14.810	0.000	0.000	30.917	20.641	57.507	XOM_R2OWSG MWD+IFR1+MS

5700.000	29.040	54.808	4809.368	24.805	0.000	31.480	0.000	15.084	0.000	0.000	31.500	21.074	57.522	XOM_R2OWSG MWD+IFR1+MS
5800.000	27.040	54.808	4897.625	25.216	0.000	32.031	0.000	15.338	0.000	0.000	32.052	21.504	57.542	XOM_R2OWSG MWD+IFR1+MS
5900.000	25.040	54.808	4987.469	25.583	0.000	32.552	0.000	15.572	0.000	0.000	32.573	21.929	57.567	XOM_R2OWSG MWD+IFR1+MS
6000.000	23.040	54.808	5078.791	25.907	0.000	33.043	0.000	15.786	0.000	0.000	33.064	22.349	57.595	XOM_R2OWSG MWD+IFR1+MS
6100.000	21.040	54.808	5171.478	26.187	0.000	33.503	0.000	15.982	0.000	0.000	33.525	22.761	57.627	XOM_R2OWSG MWD+IFR1+MS
6200.000	19.040	54.808	5265.418	26.421	0.000	33.936	0.000	16.160	0.000	0.000	33.958	23.165	57.660	XOM_R2OWSG MWD+IFR1+MS
6300.000	17.040	54.808	5360.498	26.611	0.000	34.340	0.000	16.321	0.000	0.000	34.363	23.558	57.696	XOM_R2OWSG MWD+IFR1+MS
6400.000	15.040	54.808	5456.600	26.755	0.000	34.717	0.000	16.467	0.000	0.000	34.741	23.941	57.734	XOM_R2OWSG MWD+IFR1+MS
6500.000	13.040	54.808	5553.607	26.854	0.000	35.068	0.000	16.599	0.000	0.000	35.093	24.311	57.772	XOM_R2OWSG MWD+IFR1+MS
6600.000	11.040	54.808	5651.402	26.908	0.000	35.395	0.000	16.718	0.000	0.000	35.420	24.668	57.810	XOM_R2OWSG MWD+IFR1+MS
6700.000	9.040	54.808	5749.866	26.916	0.000	35.698	0.000	16.825	0.000	0.000	35.724	25.011	57.848	XOM_R2OWSG MWD+IFR1+MS
6800.000	7.040	54.808	5848.878	26.880	0.000	35.979	0.000	16.921	0.000	0.000	36.006	25.339	57.885	XOM_R2OWSG MWD+IFR1+MS
6900.000	5.040	54.808	5948.318	26.800	0.000	36.240	0.000	17.009	0.000	0.000	36.267	25.652	57.921	XOM_R2OWSG MWD+IFR1+MS
7000.000	3.040	54.808	6048.064	26.676	0.000	36.482	0.000	17.089	0.000	0.000	36.509	25.949	57.955	XOM_R2OWSG MWD+IFR1+MS
7100.000	1.040	54.808	6147.996	26.511	0.000	36.705	0.000	17.163	0.000	0.000	36.733	26.229	57.986	XOM_R2OWSG MWD+IFR1+MS
7152.007	0.000	0.000	6200.000	34.229	0.000	29.686	0.000	17.199	0.000	0.000	36.845	26.368	58.001	XOM_R2OWSG MWD+IFR1+MS
7200.000	0.000	0.000	6247.993	34.338	0.000	29.800	0.000	17.233	0.000	0.000	36.949	26.493	58.015	XOM_R2OWSG MWD+IFR1+MS
7300.000	0.000	0.000	6347.993	34.568	0.000	30.038	0.000	17.304	0.000	0.000	37.166	26.756	58.043	XOM_R2OWSG MWD+IFR1+MS
7400.000	0.000	0.000	6447.993	34.799	0.000	30.280	0.000	17.377	0.000	0.000	37.386	27.021	58.071	XOM_R2OWSG MWD+IFR1+MS
7500.000	0.000	0.000	6547.993	35.033	0.000	30.523	0.000	17.453	0.000	0.000	37.608	27.288	58.100	XOM_R2OWSG MWD+IFR1+MS

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7600.000	0.000	0.000	6647.993	35.269	0.000	30.769	0.000	17.532	0.000	0.000	37.832	27.557	58.128	XOM_R2OWSG MWD+IFR1+MS
7700.000	0.000	0.000	6747.993	35.508	0.000	31.017	0.000	17.612	0.000	0.000	38.058	27.828	58.155	XOM_R2OWSG MWD+IFR1+MS
7800.000	0.000	0.000	6847.993	35.748	0.000	31.267	0.000	17.696	0.000	0.000	38.286	28.101	58.183	XOM_R2OWSG MWD+IFR1+MS
7900.000	0.000	0.000	6947.993	35.990	0.000	31.519	0.000	17.782	0.000	0.000	38.516	28.376	58.210	XOM_R2OWSG MWD+IFR1+MS
8000.000	0.000	0.000	7047.993	36.234	0.000	31.773	0.000	17.871	0.000	0.000	38.748	28.653	58.238	XOM_R2OWSG MWD+IFR1+MS
8100.000	0.000	0.000	7147.993	36.480	0.000	32.029	0.000	17.962	0.000	0.000	38.982	28.932	58.265	XOM_R2OWSG MWD+IFR1+MS
8200.000	0.000	0.000	7247.993	36.727	0.000	32.288	0.000	18.057	0.000	0.000	39.218	29.212	58.292	XOM_R2OWSG MWD+IFR1+MS
8300.000	0.000	0.000	7347.993	36.977	0.000	32.548	0.000	18.154	0.000	0.000	39.456	29.494	58.318	XOM_R2OWSG MWD+IFR1+MS
8400.000	0.000	0.000	7447.993	37.228	0.000	32.810	0.000	18.254	0.000	0.000	39.695	29.778	58.345	XOM_R2OWSG MWD+IFR1+MS
8500.000	0.000	0.000	7547.993	37.481	0.000	33.073	0.000	18.357	0.000	0.000	39.936	30.063	58.371	XOM_R2OWSG MWD+IFR1+MS
8600.000	0.000	0.000	7647.993	37.736	0.000	33.339	0.000	18.463	0.000	0.000	40.179	30.350	58.398	XOM_R2OWSG MWD+IFR1+MS
8700.000	0.000	0.000	7747.993	37.993	0.000	33.606	0.000	18.572	0.000	0.000	40.424	30.638	58.424	XOM_R2OWSG MWD+IFR1+MS
8800.000	0.000	0.000	7847.993	38.251	0.000	33.875	0.000	18.684	0.000	0.000	40.671	30.928	58.450	XOM_R2OWSG MWD+IFR1+MS
8900.000	0.000	0.000	7947.993	38.510	0.000	34.146	0.000	18.799	0.000	0.000	40.919	31.219	58.475	XOM_R2OWSG MWD+IFR1+MS
9000.000	0.000	0.000	8047.993	38.772	0.000	34.418	0.000	18.917	0.000	0.000	41.168	31.512	58.501	XOM_R2OWSG MWD+IFR1+MS
9100.000	0.000	0.000	8147.993	39.034	0.000	34.691	0.000	19.038	0.000	0.000	41.420	31.805	58.527	XOM_R2OWSG MWD+IFR1+MS
9200.000	0.000	0.000	8247.993	39.299	0.000	34.967	0.000	19.163	0.000	0.000	41.673	32.101	58.552	XOM_R2OWSG MWD+IFR1+MS
9300.000	0.000	0.000	8347.993	39.565	0.000	35.243	0.000	19.291	0.000	0.000	41.927	32.397	58.577	XOM_R2OWSG MWD+IFR1+MS
9400.000	0.000	0.000	8447.993	39.832	0.000	35.522	0.000	19.422	0.000	0.000	42.183	32.695	58.602	XOM_R2OWSG MWD+IFR1+MS
9500.000	0.000	0.000	8547.993	40.101	0.000	35.801	0.000	19.557	0.000	0.000	42.440	32.994	58.627	XOM_R2OWSG MWD+IFR1+MS

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9600.000	0.000	0.000	8647.993	40.371	0.000	36.082	0.000	19.695	0.000	0.000	42.699	33.294	58.652	XOM_R2OWSG MWD+IFR1+MS
9700.000	0.000	0.000	8747.993	40.642	0.000	36.365	0.000	19.836	0.000	0.000	42.960	33.595	58.676	XOM_R2OWSG MWD+IFR1+MS
9800.000	0.000	0.000	8847.993	40.915	0.000	36.648	0.000	19.981	0.000	0.000	43.221	33.898	58.701	XOM_R2OWSG MWD+IFR1+MS
9893.810	0.000	0.000	8941.803	41.172	0.000	36.916	0.000	20.120	0.000	0.000	43.468	34.182	58.723	XOM_R2OWSG MWD+IFR1+MS
9900.000	0.495	179.889	8947.993	41.148	0.000	36.916	-0.000	20.129	0.000	0.000	43.484	34.200	58.723	XOM_R2OWSG MWD+IFR1+MS
10000.000	8.495	179.889	9047.604	40.153	0.000	37.171	-0.000	20.279	0.000	0.000	43.707	34.461	58.669	XOM_R2OWSG MWD+IFR1+MS
10100.000	16.495	179.889	9145.156	38.553	0.000	37.398	-0.000	20.435	0.000	0.000	43.903	34.684	58.581	XOM_R2OWSG MWD+IFR1+MS
10200.000	24.495	179.889	9238.750	36.423	0.000	37.596	-0.000	20.613	0.000	0.000	44.069	34.870	58.453	XOM_R2OWSG MWD+IFR1+MS
10300.000	32.495	179.889	9326.565	33.873	0.000	37.764	-0.000	20.827	0.000	0.000	44.202	35.021	58.294	XOM_R2OWSG MWD+IFR1+MS
10400.000	40.495	179.889	9406.890	31.054	0.000	37.902	-0.000	21.087	0.000	0.000	44.299	35.141	58.115	XOM_R2OWSG MWD+IFR1+MS
10500.000	48.495	179.889	9478.163	28.171	0.000	38.014	-0.000	21.402	0.000	0.000	44.361	35.237	57.937	XOM_R2OWSG MWD+IFR1+MS
10600.000	56.495	179.889	9538.996	25.501	0.000	38.099	-0.000	21.776	0.000	0.000	44.389	35.316	57.783	XOM_R2OWSG MWD+IFR1+MS
10700.000	64.495	179.889	9588.206	23.393	0.000	38.159	-0.000	22.209	0.000	0.000	44.385	35.386	57.678	XOM_R2OWSG MWD+IFR1+MS
10800.000	72.495	179.889	9624.834	22.225	0.000	38.198	-0.000	22.696	0.000	0.000	44.352	35.454	57.650	XOM_R2OWSG MWD+IFR1+MS
10900.000	80.495	179.889	9648.168	22.269	0.000	38.214	-0.000	23.227	0.000	0.000	44.295	35.525	57.732	XOM_R2OWSG MWD+IFR1+MS
11000.000	88.495	179.889	9657.753	23.537	0.000	38.211	-0.000	23.787	0.000	0.000	44.219	35.605	57.958	XOM_R2OWSG MWD+IFR1+MS
11018.810	90.000	179.889	9658.000	23.895	0.000	38.207	-0.000	23.895	0.000	0.000	44.204	35.620	58.023	XOM_R2OWSG MWD+IFR1+MS
11100.000	90.000	179.889	9658.000	24.364	0.000	38.198	-0.000	24.364	0.000	0.000	44.135	35.694	58.286	XOM_R2OWSG MWD+IFR1+MS
11200.000	90.000	179.889	9658.000	24.952	0.000	38.207	-0.000	24.952	0.000	0.000	44.057	35.799	58.566	XOM_R2OWSG MWD+IFR1+MS
11300.000	90.000	179.889	9658.000	25.551	0.000	38.236	-0.000	25.551	0.000	0.000	43.984	35.919	58.799	XOM_R2OWSG MWD+IFR1+MS

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11400.000	90.000	179.889	9658.000	26.160	0.000	38.286	-0.000	26.160	0.000	0.000	43.915	36.055	58.983	XOM_R2OWSG MWD+IFR1+MS
11500.000	90.000	179.889	9658.000	26.778	0.000	38.355	-0.000	26.778	0.000	0.000	43.852	36.206	59.114	XOM_R2OWSG MWD+IFR1+MS
11600.000	90.000	179.889	9658.000	27.404	0.000	38.445	-0.000	27.404	0.000	0.000	43.794	36.372	59.188	XOM_R2OWSG MWD+IFR1+MS
11700.000	90.000	179.889	9658.000	28.039	0.000	38.555	-0.000	28.039	0.000	0.000	43.741	36.553	59.202	XOM_R2OWSG MWD+IFR1+MS
11800.000	90.000	179.889	9658.000	28.680	0.000	38.684	-0.000	28.680	0.000	0.000	43.693	36.749	59.148	XOM_R2OWSG MWD+IFR1+MS
11900.000	90.000	179.889	9658.000	29.329	0.000	38.833	-0.000	29.329	0.000	0.000	43.649	36.960	59.021	XOM_R2OWSG MWD+IFR1+MS
12000.000	90.000	179.889	9658.000	29.984	0.000	39.001	-0.000	29.984	0.000	0.000	43.611	37.185	58.810	XOM_R2OWSG MWD+IFR1+MS
12100.000	90.000	179.889	9658.000	30.646	0.000	39.188	-0.000	30.646	0.000	0.000	43.578	37.423	58.506	XOM_R2OWSG MWD+IFR1+MS
12200.000	90.000	179.889	9658.000	31.313	0.000	39.394	-0.000	31.313	0.000	0.000	43.551	37.675	58.094	XOM_R2OWSG MWD+IFR1+MS
12300.000	90.000	179.889	9658.000	31.985	0.000	39.619	-0.000	31.985	0.000	0.000	43.530	37.939	57.558	XOM_R2OWSG MWD+IFR1+MS
12400.000	90.000	179.889	9658.000	32.663	0.000	39.862	-0.000	32.663	0.000	0.000	43.515	38.215	56.878	XOM_R2OWSG MWD+IFR1+MS
12500.000	90.000	179.889	9658.000	33.345	0.000	40.122	-0.000	33.345	0.000	0.000	43.508	38.501	56.028	XOM_R2OWSG MWD+IFR1+MS
12600.000	90.000	179.889	9658.000	34.031	0.000	40.401	-0.000	34.031	0.000	0.000	43.509	38.796	54.975	XOM_R2OWSG MWD+IFR1+MS
12700.000	90.000	179.889	9658.000	34.722	0.000	40.696	-0.000	34.722	0.000	0.000	43.521	39.098	53.680	XOM_R2OWSG MWD+IFR1+MS
12800.000	90.000	179.889	9658.000	35.417	0.000	41.008	-0.000	35.417	0.000	0.000	43.544	39.405	52.097	XOM_R2OWSG MWD+IFR1+MS
12900.000	90.000	179.889	9658.000	36.115	0.000	41.337	-0.000	36.115	0.000	0.000	43.581	39.714	50.171	XOM_R2OWSG MWD+IFR1+MS
13000.000	90.000	179.889	9658.000	36.817	0.000	41.681	-0.000	36.817	0.000	0.000	43.636	40.021	47.844	XOM_R2OWSG MWD+IFR1+MS
13100.000	90.000	179.889	9658.000	37.522	0.000	42.042	-0.000	37.522	0.000	0.000	43.714	40.322	45.061	XOM_R2OWSG MWD+IFR1+MS
13200.000	90.000	179.889	9658.000	38.230	0.000	42.417	-0.000	38.230	0.000	0.000	43.818	40.611	41.791	XOM_R2OWSG MWD+IFR1+MS
13300.000	90.000	179.889	9658.000	38.941	0.000	42.807	-0.000	38.941	0.000	0.000	43.955	40.881	38.049	XOM_R2OWSG MWD+IFR1+MS

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13400.000	90.000	179.889	9658.000	39.655	0.000	43.212	-0.000	39.655	0.000	0.000	44.131	41.127	33.926	XOM_R2OWSG MWD+IFR1+MS
13500.000	90.000	179.889	9658.000	40.372	0.000	43.631	-0.000	40.372	0.000	0.000	44.350	41.344	29.593	XOM_R2OWSG MWD+IFR1+MS
13600.000	90.000	179.889	9658.000	41.091	0.000	44.063	-0.000	41.091	0.000	0.000	44.614	41.529	25.278	XOM_R2OWSG MWD+IFR1+MS
13700.000	90.000	179.889	9658.000	41.812	0.000	44.509	-0.000	41.812	0.000	0.000	44.924	41.683	21.201	XOM_R2OWSG MWD+IFR1+MS
13800.000	90.000	179.889	9658.000	42.536	0.000	44.968	-0.000	42.536	0.000	0.000	45.274	41.808	17.516	XOM_R2OWSG MWD+IFR1+MS
13900.000	90.000	179.889	9658.000	43.262	0.000	45.438	-0.000	43.262	0.000	0.000	45.662	41.908	14.296	XOM_R2OWSG MWD+IFR1+MS
14000.000	90.000	179.889	9658.000	43.990	0.000	45.921	-0.000	43.990	0.000	0.000	46.081	41.989	11.542	XOM_R2OWSG MWD+IFR1+MS
14100.000	90.000	179.889	9658.000	44.719	0.000	46.416	-0.000	44.719	0.000	0.000	46.528	42.054	9.216	XOM_R2OWSG MWD+IFR1+MS
14200.000	90.000	179.889	9658.000	45.451	0.000	46.922	-0.000	45.451	0.000	0.000	46.998	42.107	7.262	XOM_R2OWSG MWD+IFR1+MS
14300.000	90.000	179.889	9658.000	46.184	0.000	47.439	-0.000	46.184	0.000	0.000	47.489	42.150	5.620	XOM_R2OWSG MWD+IFR1+MS
14400.000	90.000	179.889	9658.000	46.919	0.000	47.967	-0.000	46.919	0.000	0.000	47.998	42.187	4.240	XOM_R2OWSG MWD+IFR1+MS
14500.000	90.000	179.889	9658.000	47.656	0.000	48.504	-0.000	47.656	0.000	0.000	48.523	42.217	3.073	XOM_R2OWSG MWD+IFR1+MS
14600.000	90.000	179.889	9658.000	48.394	0.000	49.052	-0.000	48.394	0.000	0.000	49.061	42.244	2.083	XOM_R2OWSG MWD+IFR1+MS
14700.000	90.000	179.889	9658.000	49.133	0.000	49.609	-0.000	49.133	0.000	0.000	49.613	42.267	1.240	XOM_R2OWSG MWD+IFR1+MS
14800.000	90.000	179.889	9658.000	49.874	0.000	50.176	-0.000	49.874	0.000	0.000	50.177	42.288	0.517	XOM_R2OWSG MWD+IFR1+MS
14900.000	90.000	179.889	9658.000	50.617	0.000	50.752	-0.000	50.617	0.000	0.000	50.752	42.307	-0.105	XOM_R2OWSG MWD+IFR1+MS
15000.000	90.000	179.889	9658.000	51.360	0.000	51.336	-0.000	51.360	0.000	0.000	51.337	42.325	-0.643	XOM_R2OWSG MWD+IFR1+MS
15100.000	90.000	179.889	9658.000	52.105	0.000	51.928	-0.000	52.105	0.000	0.000	51.931	42.341	-1.109	XOM_R2OWSG MWD+IFR1+MS
15200.000	90.000	179.889	9658.000	52.851	0.000	52.529	-0.000	52.851	0.000	0.000	52.535	42.357	-1.515	XOM_R2OWSG MWD+IFR1+MS
15300.000	90.000	179.889	9658.000	53.598	0.000	53.138	-0.000	53.598	0.000	0.000	53.147	42.373	-1.870	XOM_R2OWSG MWD+IFR1+MS

15400.000	90.000	179.889	9658.000	54.346	0.000	53.754	-0.000	54.346	0.000	0.000	53.767	42.388	-2.180	XOM_R2OWSG MWD+IFR1+MS
15500.000	90.000	179.889	9658.000	55.095	0.000	54.377	-0.000	55.095	0.000	0.000	54.395	42.403	-2.453	XOM_R2OWSG MWD+IFR1+MS
15600.000	90.000	179.889	9658.000	55.845	0.000	55.007	-0.000	55.845	0.000	0.000	55.030	42.418	-2.693	XOM_R2OWSG MWD+IFR1+MS
15700.000	90.000	179.889	9658.000	56.596	0.000	55.645	-0.000	56.596	0.000	0.000	55.672	42.433	-2.904	XOM_R2OWSG MWD+IFR1+MS
15800.000	90.000	179.889	9658.000	57.348	0.000	56.288	-0.000	57.348	0.000	0.000	56.321	42.448	-3.091	XOM_R2OWSG MWD+IFR1+MS
15900.000	90.000	179.889	9658.000	58.101	0.000	56.938	-0.000	58.101	0.000	0.000	56.976	42.464	-3.256	XOM_R2OWSG MWD+IFR1+MS
16000.000	90.000	179.889	9658.000	58.854	0.000	57.595	-0.000	58.854	0.000	0.000	57.638	42.480	-3.401	XOM_R2OWSG MWD+IFR1+MS
16100.000	90.000	179.889	9658.000	59.609	0.000	58.257	-0.000	59.609	0.000	0.000	58.305	42.496	-3.530	XOM_R2OWSG MWD+IFR1+MS
16200.000	90.000	179.889	9658.000	60.364	0.000	58.925	-0.000	60.364	0.000	0.000	58.978	42.513	-3.644	XOM_R2OWSG MWD+IFR1+MS
16300.000	90.000	179.889	9658.000	61.120	0.000	59.598	-0.000	61.120	0.000	0.000	59.657	42.530	-3.745	XOM_R2OWSG MWD+IFR1+MS
16400.000	90.000	179.889	9658.000	61.876	0.000	60.277	-0.000	61.876	0.000	0.000	60.341	42.547	-3.834	XOM_R2OWSG MWD+IFR1+MS
16500.000	90.000	179.889	9658.000	62.634	0.000	60.961	-0.000	62.634	0.000	0.000	61.030	42.565	-3.912	XOM_R2OWSG MWD+IFR1+MS
16600.000	90.000	179.889	9658.000	63.392	0.000	61.650	-0.000	63.392	0.000	0.000	61.723	42.584	-3.981	XOM_R2OWSG MWD+IFR1+MS
16700.000	90.000	179.889	9658.000	64.150	0.000	62.343	-0.000	64.150	0.000	0.000	62.422	42.603	-4.042	XOM_R2OWSG MWD+IFR1+MS
16800.000	90.000	179.889	9658.000	64.910	0.000	63.042	-0.000	64.910	0.000	0.000	63.125	42.622	-4.095	XOM_R2OWSG MWD+IFR1+MS
16900.000	90.000	179.889	9658.000	65.670	0.000	63.745	-0.000	65.670	0.000	0.000	63.832	42.642	-4.141	XOM_R2OWSG MWD+IFR1+MS
17000.000	90.000	179.889	9658.000	66.430	0.000	64.452	-0.000	66.430	0.000	0.000	64.544	42.663	-4.182	XOM_R2OWSG MWD+IFR1+MS
17100.000	90.000	179.889	9658.000	67.191	0.000	65.163	-0.000	67.191	0.000	0.000	65.259	42.684	-4.216	XOM_R2OWSG MWD+IFR1+MS
17200.000	90.000	179.889	9658.000	67.953	0.000	65.879	-0.000	67.953	0.000	0.000	65.979	42.706	-4.246	XOM_R2OWSG MWD+IFR1+MS
17300.000	90.000	179.889	9658.000	68.715	0.000	66.599	-0.000	68.715	0.000	0.000	66.702	42.729	-4.271	XOM_R2OWSG MWD+IFR1+MS

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17400.000	90.000	179.889	9658.000	69.477	0.000	67.322	-0.000	69.477	0.000	67.429	42.752	-4.293	XOM_R2OWSG MWD+IFR1+MS
17500.000	90.000	179.889	9658.000	70.240	0.000	68.049	-0.000	70.240	0.000	68.160	42.775	-4.310	XOM_R2OWSG MWD+IFR1+MS
17600.000	90.000	179.889	9658.000	71.004	0.000	68.780	-0.000	71.004	0.000	68.894	42.800	-4.324	XOM_R2OWSG MWD+IFR1+MS
17700.000	90.000	179.889	9658.000	71.768	0.000	69.514	-0.000	71.768	0.000	69.632	42.824	-4.336	XOM_R2OWSG MWD+IFR1+MS
17800.000	90.000	179.889	9658.000	72.532	0.000	70.252	-0.000	72.532	0.000	70.372	42.850	-4.344	XOM_R2OWSG MWD+IFR1+MS
17900.000	90.000	179.889	9658.000	73.297	0.000	70.993	-0.000	73.297	0.000	71.116	42.876	-4.350	XOM_R2OWSG MWD+IFR1+MS
18000.000	90.000	179.889	9658.000	74.063	0.000	71.737	-0.000	74.063	0.000	71.863	42.902	-4.354	XOM_R2OWSG MWD+IFR1+MS
18100.000	90.000	179.889	9658.000	74.828	0.000	72.484	-0.000	74.828	0.000	72.613	42.929	-4.355	XOM_R2OWSG MWD+IFR1+MS
18200.000	90.000	179.889	9658.000	75.594	0.000	73.234	-0.000	75.594	0.000	73.366	42.957	-4.355	XOM_R2OWSG MWD+IFR1+MS
18300.000	90.000	179.889	9658.000	76.361	0.000	73.987	-0.000	76.361	0.000	74.121	42.985	-4.353	XOM_R2OWSG MWD+IFR1+MS
18400.000	90.000	179.889	9658.000	77.128	0.000	74.742	-0.000	77.128	0.000	74.879	43.014	-4.349	XOM_R2OWSG MWD+IFR1+MS
18500.000	90.000	179.889	9658.000	77.895	0.000	75.501	-0.000	77.895	0.000	75.640	43.044	-4.344	XOM_R2OWSG MWD+IFR1+MS
18600.000	90.000	179.889	9658.000	78.662	0.000	76.262	-0.000	78.662	0.000	76.404	43.074	-4.338	XOM_R2OWSG MWD+IFR1+MS
18700.000	90.000	179.889	9658.000	79.430	0.000	77.025	-0.000	79.430	0.000	77.169	43.105	-4.330	XOM_R2OWSG MWD+IFR1+MS
18800.000	90.000	179.889	9658.000	80.198	0.000	77.792	-0.000	80.198	0.000	77.937	43.136	-4.321	XOM_R2OWSG MWD+IFR1+MS
18900.000	90.000	179.889	9658.000	80.967	0.000	78.560	-0.000	80.967	0.000	78.708	43.168	-4.312	XOM_R2OWSG MWD+IFR1+MS
19000.000	90.000	179.889	9658.000	81.736	0.000	79.331	-0.000	81.736	0.000	79.481	43.200	-4.301	XOM_R2OWSG MWD+IFR1+MS
19100.000	90.000	179.889	9658.000	82.505	0.000	80.104	-0.000	82.505	0.000	80.255	43.233	-4.290	XOM_R2OWSG MWD+IFR1+MS
19200.000	90.000	179.889	9658.000	83.274	0.000	80.879	-0.000	83.274	0.000	81.032	43.266	-4.278	XOM_R2OWSG MWD+IFR1+MS
19300.000	90.000	179.889	9658.000	84.044	0.000	81.657	-0.000	84.044	0.000	81.811	43.301	-4.265	XOM_R2OWSG MWD+IFR1+MS

19400.000	90.000	179.889	9658.000	84.814	0.000	82.436	-0.000	84.814	0.000	0.000	82.592	43.335	-4.251	XOM_R2OWSG MWD+IFR1+MS
19500.000	90.000	179.889	9658.000	85.584	0.000	83.218	-0.000	85.584	0.000	0.000	83.375	43.370	-4.237	XOM_R2OWSG MWD+IFR1+MS
19600.000	90.000	179.889	9658.000	86.355	0.000	84.001	-0.000	86.355	0.000	0.000	84.160	43.406	-4.223	XOM_R2OWSG MWD+IFR1+MS
19700.000	90.000	179.889	9658.000	87.126	0.000	84.787	-0.000	87.126	0.000	0.000	84.947	43.443	-4.208	XOM_R2OWSG MWD+IFR1+MS
19800.000	90.000	179.889	9658.000	87.897	0.000	85.574	-0.000	87.897	0.000	0.000	85.735	43.479	-4.193	XOM_R2OWSG MWD+IFR1+MS
19900.000	90.000	179.889	9658.000	88.668	0.000	86.363	-0.000	88.668	0.000	0.000	86.526	43.517	-4.177	XOM_R2OWSG MWD+IFR1+MS
20000.000	90.000	179.889	9658.000	89.439	0.000	87.154	-0.000	89.439	0.000	0.000	87.318	43.555	-4.161	XOM_R2OWSG MWD+IFR1+MS
20100.000	90.000	179.889	9658.000	90.211	0.000	87.946	-0.000	90.211	0.000	0.000	88.111	43.593	-4.144	XOM_R2OWSG MWD+IFR1+MS
20200.000	90.000	179.889	9658.000	90.983	0.000	88.741	-0.000	90.983	0.000	0.000	88.906	43.632	-4.128	XOM_R2OWSG MWD+IFR1+MS
20300.000	90.000	179.889	9658.000	91.755	0.000	89.536	-0.000	91.755	0.000	0.000	89.703	43.672	-4.111	XOM_R2OWSG MWD+IFR1+MS
20400.000	90.000	179.889	9658.000	92.528	0.000	90.334	-0.000	92.528	0.000	0.000	90.501	43.712	-4.094	XOM_R2OWSG MWD+IFR1+MS
20500.000	90.000	179.889	9658.000	93.300	0.000	91.133	-0.000	93.300	0.000	0.000	91.301	43.753	-4.077	XOM_R2OWSG MWD+IFR1+MS
20600.000	90.000	179.889	9658.000	94.073	0.000	91.933	-0.000	94.073	0.000	0.000	92.102	43.794	-4.059	XOM_R2OWSG MWD+IFR1+MS
20700.000	90.000	179.889	9658.000	94.846	0.000	92.735	-0.000	94.846	0.000	0.000	92.905	43.836	-4.042	XOM_R2OWSG MWD+IFR1+MS
20800.000	90.000	179.889	9658.000	95.619	0.000	93.538	-0.000	95.619	0.000	0.000	93.709	43.878	-4.024	XOM_R2OWSG MWD+IFR1+MS
20900.000	90.000	179.889	9658.000	96.393	0.000	94.343	-0.000	96.393	0.000	0.000	94.514	43.921	-4.006	XOM_R2OWSG MWD+IFR1+MS
21000.000	90.000	179.889	9658.000	97.166	0.000	95.149	-0.000	97.166	0.000	0.000	95.321	43.964	-3.988	XOM_R2OWSG MWD+IFR1+MS
21100.000	90.000	179.889	9658.000	97.940	0.000	95.957	-0.000	97.940	0.000	0.000	96.129	44.008	-3.970	XOM_R2OWSG MWD+IFR1+MS
21200.000	90.000	179.889	9658.000	98.714	0.000	96.765	-0.000	98.714	0.000	0.000	96.938	44.052	-3.952	XOM_R2OWSG MWD+IFR1+MS
21300.000	90.000	179.889	9658.000	99.488	0.000	97.575	-0.000	99.488	0.000	0.000	97.748	44.097	-3.934	XOM_R2OWSG MWD+IFR1+MS

21400.000	90.000	179.889	9658.000	100.262	0.000	98.386	-0.000	100.262	0.000	0.000	98.560	44.143	-3.916	XOM_R2OWSG MWD+IFR1+MS
21500.000	90.000	179.889	9658.000	101.036	0.000	99.199	-0.000	101.036	0.000	0.000	99.373	44.188	-3.898	XOM_R2OWSG MWD+IFR1+MS
21600.000	90.000	179.889	9658.000	101.811	0.000	100.012	-0.000	101.811	0.000	0.000	100.186	44.235	-3.880	XOM_R2OWSG MWD+IFR1+MS
21700.000	90.000	179.889	9658.000	102.586	0.000	100.827	-0.000	102.586	0.000	0.000	101.001	44.282	-3.862	XOM_R2OWSG MWD+IFR1+MS
21800.000	90.000	179.889	9658.000	103.361	0.000	101.642	-0.000	103.361	0.000	0.000	101.817	44.329	-3.844	XOM_R2OWSG MWD+IFR1+MS
21900.000	90.000	179.889	9658.000	104.136	0.000	102.459	-0.000	104.136	0.000	0.000	102.634	44.377	-3.826	XOM_R2OWSG MWD+IFR1+MS
22000.000	90.000	179.889	9658.000	104.911	0.000	103.277	-0.000	104.911	0.000	0.000	103.452	44.425	-3.808	XOM_R2OWSG MWD+IFR1+MS
22100.000	90.000	179.889	9658.000	105.686	0.000	104.096	-0.000	105.686	0.000	0.000	104.272	44.474	-3.790	XOM_R2OWSG MWD+IFR1+MS
22200.000	90.000	179.889	9658.000	106.462	0.000	104.916	-0.000	106.462	0.000	0.000	105.092	44.523	-3.773	XOM_R2OWSG MWD+IFR1+MS
22300.000	90.000	179.889	9658.000	107.237	0.000	105.736	-0.000	107.237	0.000	0.000	105.913	44.573	-3.755	XOM_R2OWSG MWD+IFR1+MS
22400.000	90.000	179.889	9658.000	108.013	0.000	106.558	-0.000	108.013	0.000	0.000	106.735	44.624	-3.737	XOM_R2OWSG MWD+IFR1+MS
22500.000	90.000	179.889	9658.000	108.789	0.000	107.381	-0.000	108.789	0.000	0.000	107.557	44.674	-3.719	XOM_R2OWSG MWD+IFR1+MS
22600.000	90.000	179.889	9658.000	109.565	0.000	108.205	-0.000	109.565	0.000	0.000	108.381	44.726	-3.702	XOM_R2OWSG MWD+IFR1+MS
22700.000	90.000	179.889	9658.000	110.341	0.000	109.029	-0.000	110.341	0.000	0.000	109.206	44.777	-3.684	XOM_R2OWSG MWD+IFR1+MS
22800.000	90.000	179.889	9658.000	111.117	0.000	109.855	-0.000	111.117	0.000	0.000	110.031	44.830	-3.667	XOM_R2OWSG MWD+IFR1+MS
22900.000	90.000	179.889	9658.000	111.893	0.000	110.681	-0.000	111.893	0.000	0.000	110.857	44.882	-3.649	XOM_R2OWSG MWD+IFR1+MS
23000.000	90.000	179.889	9658.000	112.670	0.000	111.508	-0.000	112.670	0.000	0.000	111.685	44.936	-3.632	XOM_R2OWSG MWD+IFR1+MS
23100.000	90.000	179.889	9658.000	113.446	0.000	112.336	-0.000	113.446	0.000	0.000	112.513	44.989	-3.615	XOM_R2OWSG MWD+IFR1+MS
23200.000	90.000	179.889	9658.000	114.223	0.000	113.165	-0.000	114.223	0.000	0.000	113.341	45.043	-3.598	XOM_R2OWSG MWD+IFR1+MS
23300.000	90.000	179.889	9658.000	115.000	0.000	113.994	-0.000	115.000	0.000	0.000	114.171	45.098	-3.581	XOM_R2OWSG MWD+IFR1+MS

Well Plan Report

23400.000	90.000	179.889	9658.000	115.777	0.000	114.824	-0.000	115.777	0.000	115.001	45.153	-3.564	XOM_R2OWSG MWD+IFR1+MS
23500.000	90.000	179.889	9658.000	116.554	0.000	115.655	-0.000	116.554	0.000	115.832	45.208	-3.547	XOM_R2OWSG MWD+IFR1+MS
23600.000	90.000	179.889	9658.000	117.331	0.000	116.487	-0.000	117.331	0.000	116.663	45.264	-3.530	XOM_R2OWSG MWD+IFR1+MS
23700.000	90.000	179.889	9658.000	118.108	0.000	117.319	-0.000	118.108	0.000	117.496	45.321	-3.514	XOM_R2OWSG MWD+IFR1+MS
23800.000	90.000	179.889	9658.000	118.885	0.000	118.153	-0.000	118.885	0.000	118.329	45.377	-3.497	XOM_R2OWSG MWD+IFR1+MS
23900.000	90.000	179.889	9658.000	119.663	0.000	118.986	-0.000	119.663	0.000	119.163	45.435	-3.481	XOM_R2OWSG MWD+IFR1+MS
24000.000	90.000	179.889	9658.000	120.440	0.000	119.821	-0.000	120.440	0.000	119.997	45.492	-3.464	XOM_R2OWSG MWD+IFR1+MS
24100.000	90.000	179.889	9658.000	121.218	0.000	120.656	-0.000	121.218	0.000	120.832	45.551	-3.448	XOM_R2OWSG MWD+IFR1+MS
24200.000	90.000	179.889	9658.000	121.996	0.000	121.492	-0.000	121.996	0.000	121.668	45.609	-3.432	XOM_R2OWSG MWD+IFR1+MS
24300.000	90.000	179.889	9658.000	122.773	0.000	122.328	-0.000	122.773	0.000	122.504	45.668	-3.416	XOM_R2OWSG MWD+IFR1+MS
24400.000	90.000	179.889	9658.000	123.551	0.000	123.166	-0.000	123.551	0.000	123.341	45.728	-3.400	XOM_R2OWSG MWD+IFR1+MS
24500.000	90.000	179.889	9658.000	124.329	0.000	124.003	-0.000	124.329	0.000	124.178	45.788	-3.384	XOM_R2OWSG MWD+IFR1+MS
24600.000	90.000	179.889	9658.000	125.107	0.000	124.841	-0.000	125.107	0.000	125.016	45.848	-3.369	XOM_R2OWSG MWD+IFR1+MS
24700.000	90.000	179.889	9658.000	125.885	0.000	125.680	-0.000	125.885	0.000	125.855	45.909	-3.353	XOM_R2OWSG MWD+IFR1+MS
24800.000	90.000	179.889	9658.000	126.664	0.000	126.520	-0.000	126.664	0.000	126.694	45.970	-3.338	XOM_R2OWSG MWD+IFR1+MS
24900.000	90.000	179.889	9658.000	127.442	0.000	127.360	-0.000	127.442	0.000	127.534	46.032	-3.322	XOM_R2OWSG MWD+IFR1+MS
25000.000	90.000	179.889	9658.000	128.220	0.000	128.200	-0.000	128.220	0.000	128.374	46.094	-3.307	XOM_R2OWSG MWD+IFR1+MS
25100.000	90.000	179.889	9658.000	128.999	0.000	129.041	-0.000	128.999	0.000	129.215	46.156	-3.292	XOM_R2OWSG MWD+IFR1+MS
25200.000	90.000	179.889	9658.000	129.777	0.000	129.883	-0.000	129.777	0.000	130.056	46.219	-3.277	XOM_R2OWSG MWD+IFR1+MS
25300.000	90.000	179.889	9658.000	130.556	0.000	130.725	-0.000	130.556	0.000	130.898	46.282	-3.262	XOM_R2OWSG MWD+IFR1+MS

25400.000	90.000	179.889	9658.000	131.334	0.000	131.568	-0.000	131.334	0.000	0.000	131.741	46.346	-3.247	XOM_R2OWSG MWD+IFR1+MS
25500.000	90.000	179.889	9658.000	132.113	0.000	132.411	-0.000	132.113	0.000	0.000	132.583	46.410	-3.232	XOM_R2OWSG MWD+IFR1+MS
25600.000	90.000	179.889	9658.000	132.892	0.000	133.254	-0.000	132.892	0.000	0.000	133.427	46.475	-3.218	XOM_R2OWSG MWD+IFR1+MS
25700.000	90.000	179.889	9658.000	133.671	0.000	134.098	-0.000	133.671	0.000	0.000	134.270	46.540	-3.203	XOM_R2OWSG MWD+IFR1+MS
25800.000	90.000	179.889	9658.000	134.450	0.000	134.943	-0.000	134.450	0.000	0.000	135.115	46.605	-3.189	XOM_R2OWSG MWD+IFR1+MS
25900.000	90.000	179.889	9658.000	135.229	0.000	135.788	-0.000	135.229	0.000	0.000	135.959	46.671	-3.175	XOM_R2OWSG MWD+IFR1+MS
26000.000	90.000	179.889	9658.000	136.008	0.000	136.633	-0.000	136.008	0.000	0.000	136.805	46.737	-3.161	XOM_R2OWSG MWD+IFR1+MS
26100.000	90.000	179.889	9658.000	136.787	0.000	137.479	-0.000	136.787	0.000	0.000	137.650	46.803	-3.146	XOM_R2OWSG MWD+IFR1+MS
26200.000	90.000	179.889	9658.000	137.566	0.000	138.326	-0.000	137.566	0.000	0.000	138.496	46.870	-3.133	XOM_R2OWSG MWD+IFR1+MS
26300.000	90.000	179.889	9658.000	138.346	0.000	139.172	-0.000	138.346	0.000	0.000	139.343	46.938	-3.119	XOM_R2OWSG MWD+IFR1+MS
26400.000	90.000	179.889	9658.000	139.125	0.000	140.020	-0.000	139.125	0.000	0.000	140.189	47.005	-3.105	XOM_R2OWSG MWD+IFR1+MS
26500.000	90.000	179.889	9658.000	139.904	0.000	140.867	-0.000	139.904	0.000	0.000	141.037	47.074	-3.091	XOM_R2OWSG MWD+IFR1+MS
26600.000	90.000	179.889	9658.000	140.684	0.000	141.715	-0.000	140.684	0.000	0.000	141.884	47.142	-3.078	XOM_R2OWSG MWD+IFR1+MS
26700.000	90.000	179.889	9658.000	141.463	0.000	142.564	-0.000	141.463	0.000	0.000	142.732	47.211	-3.064	XOM_R2OWSG MWD+IFR1+MS
26799.039	90.000	179.889	9658.000	142.235	0.000	143.404	-0.000	142.235	0.000	0.000	143.573	47.280	-3.051	XOM_R2OWSG MWD+IFR1+MS
26889.518	90.000	179.889	9658.000	142.941	0.000	144.172	-0.000	142.941	0.000	0.000	144.341	47.343	-3.039	XOM_R2OWSG MWD+IFR1+MS

Plan Targets				Poker Lake Unit 27 BD 611H				Grid Northing		Grid Easting		TVD MSL Target Shape	
Target Name				Measured Depth			(ft)	(ft)		(ft)			
FTP 1				11018.81				400704.50		645788.30		6349.00 CIRCLE	
LTP 1				26799.04				384924.30		645818.80		6349.00 CIRCLE	

26889.04

384834.30

645819.30

6349.00 CIRCLE



TPN™



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

Outside Diameter	5,500 in.	Wall Thickness	0,361 in.	Grade	P110-CY
Min. Wall Thickness	87,50 %	Pipe Body Drift	API Standard	Type	Casing
Connection OD Option	REGULAR				

Pipe Body Data

Geometry				Performance	
Nominal OD	5,500 in.	Wall Thickness	0.361 in.	Body Yield Strength	641 x1000 lb
Nominal Weight	20.00 lb/ft	Plain End Weight	19.83 lb/ft	Min. Internal Yield Pressure	12,640 psi
Drift	4.653 in.	OD Tolerance	API	SMYS	110,000 psi
Nominal ID	4,778 in.			Collapse Pressure	11,100 psi

Connection Data

Geometry		Performance		Make-Up Torques	
Connection OD	6,300 in.	Tension Efficiency	100 %	Minimum	13,860 ft-lb
Coupling Length	8,408 in.	Joint Yield Strength	641 x1000 lb	Optimum	15,400 ft-lb
Connection ID	4,778 in.	Internal Pressure Capacity	12,640 psi	Maximum	16,940 ft-lb
Make-up Loss	4,204 in.	Compression Efficiency	100 %		
Threads per inch	5	Compression Strength	641 x1000 lb	Operation Limit Torques	
Connection OD Option	Regular	Max. Allowable Bending	92 °/100 ft	Operating Torque	26,350 ft-lb
		External Pressure Capacity	11,100 psi	Yield Torque	29,300 ft-lb

Notes

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PI/CIII



TenarisHydril Wedge 441®



Coupling	Pipe Body
Grade: P110-4C	Grade: P110-4C
Body: White	1st Band: White
1st Band: -	2nd Band: Pale Green
2nd Band: -	3rd Band: -
3rd Band: -	4th Band: -
	5th Band: -
	6th Band: -

Outside Diameter	5.500 in.	Wall Thickness	0.361 in.	Grade	P110-4C
Min. Wall Thickness	87.50 %	Pipe Body Drift	API Standard	Type	Casing
Connection OD Option	REGULAR				

Pipe Body Data

Geometry		Performance	
Nominal OD	5.500 in.	Wall Thickness	0.361 in.
Nominal Weight	20.00 lb/ft	Plain End Weight	19.83 lb/ft
Drift	4.653 in.	OD Tolerance	API
Nominal ID	4.778 in.		
		Body Yield Strength	641 x1000 lb
		Min. Internal Yield Pressure	12,640 psi
		SMYS	110,000 psi
		Collapse Pressure	12,300 psi

Connection Data

Geometry		Performance		Make-Up Torques	
Connection OD	5.852 in.	Tension Efficiency	81.50 %	Minimum	15,000 ft-lb
Coupling Length	8.714 in.	Joint Yield Strength	522 x1000 lb	Optimum	16,000 ft-lb
Connection ID	4.778 in.	Internal Pressure Capacity	12,640 psi	Maximum	19,200 ft-lb
Make-up Loss	3.780 in.	Compression Efficiency	81.50 %		
Threads per inch	3.40	Compression Strength	522 x1000 lb	Operation Limit Torques	
Connection OD Option	Regular	Max. Allowable Bending	74,98 °/100 ft	Operating Torque	32,000 ft-lb
		External Pressure Capacity	12,300 psi	Yield Torque	38,000 ft-lb
				Buck-On	
				Minimum	19,200 ft-lb
				Maximum	20,700 ft-lb

Notes

This connection is fully interchangeable with:
Wedge 441® - 5.5 in. - 0.304 (17.00) in. (lb/ft)
Wedge 461® - 5.5 in. - 0.304 (17.00) / 0.361 (20.00) / 0.415 (23.00) in. (lb/ft)
Connections with Dopeless® Technology are fully compatible with the same connection in its doped version
Connection performance values are related to structural capabilities. For sealability-related performance information, request the Connection Service Envelope from your local Tenaris Representative.

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TenarisHydril Wedge 511



Coupling	Pipe Body
Grade: L80-IC	Grade: L80-IC
Body: Red	1st Band: Red
1st Band: Brown	2nd Band: Brown
2nd Band: -	3rd Band: Pale Green
3rd Band: -	4th Band: -
	5th Band: -
	6th Band: -

Outside Diameter	7.625 in.	Wall Thickness	0.375 in.	Grade	L80-IC
Min. Wall Thickness	87.50 %	Pipe Body Drift	API Standard	Type	Casing
Connection OD Option	REGULAR				

Pipe Body Data

Geometry		Performance	
Nominal OD	7.625 in.	Wall Thickness	0.375 in.
Nominal Weight	29.70 lb/ft	Plain End Weight	29.06 lb/ft
Drift	6.750 in.	OD Tolerance	API
Nominal ID	6.875 in.		
		Body Yield Strength	683 x1000 lb
		Min. Internal Yield Pressure	6890 psi
		SMYS	80,000 psi
		Collapse Pressure	5900 psi

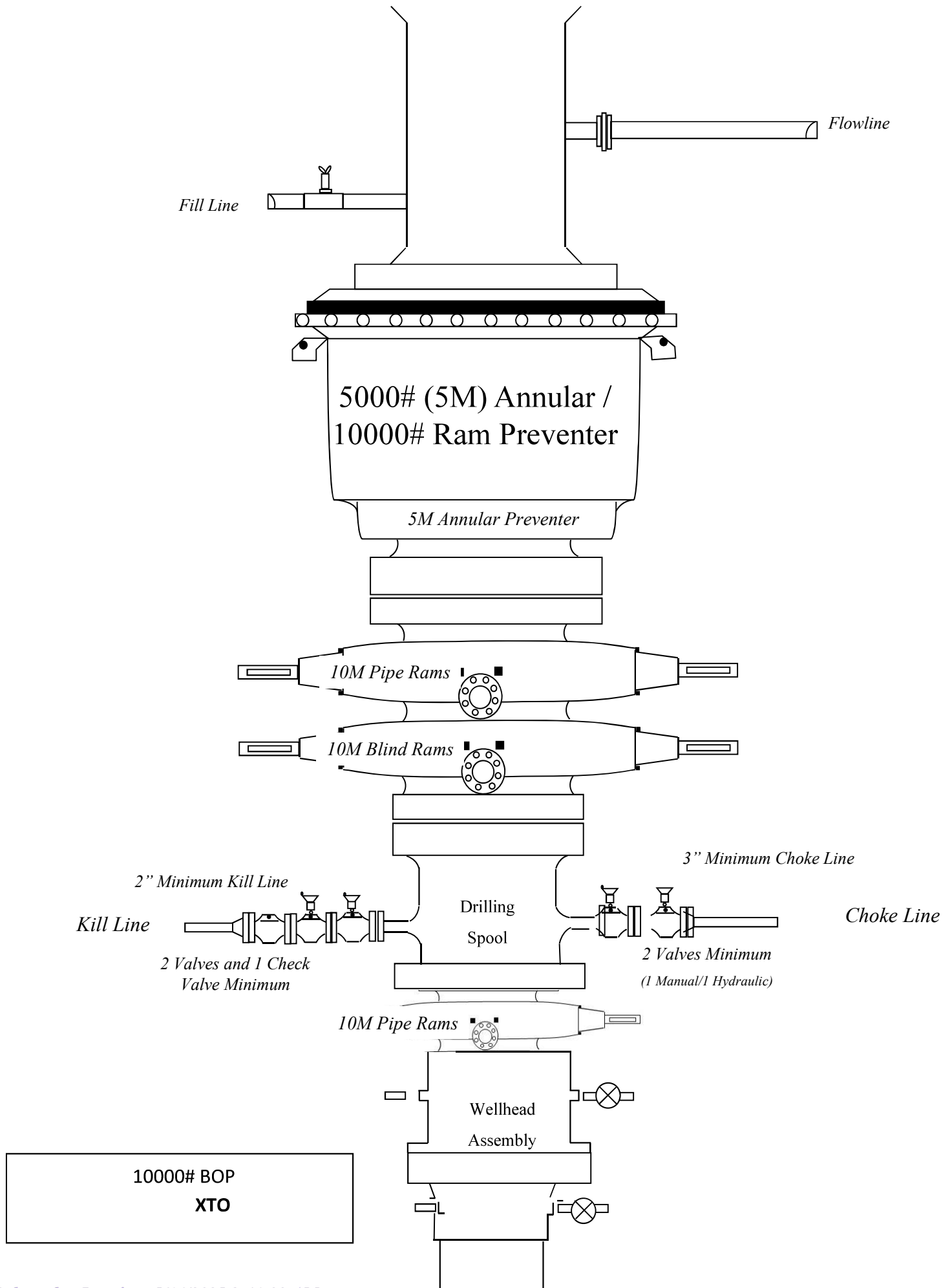
Connection Data

Geometry		Performance		Make-Up Torques	
Connection OD	7.625 in.	Tension Efficiency	61.10 %	Minimum	5900 ft-lb
Connection ID	6.787 in.	Joint Yield Strength	417 x1000 lb	Optimum	7100 ft-lb
Make-up Loss	3.704 in.	Internal Pressure Capacity	6890 psi	Maximum	10,300 ft-lb
Threads per inch	3.28	Compression Efficiency	73.80 %		
Connection OD Option	Regular	Compression Strength	504 x1000 lb	Operation Limit Torques	
		Max. Allowable Bending	29.33 °/100 ft	Operating Torque	35,000 ft-lb
		External Pressure Capacity	5900 psi	Yield Torque	52,000 ft-lb

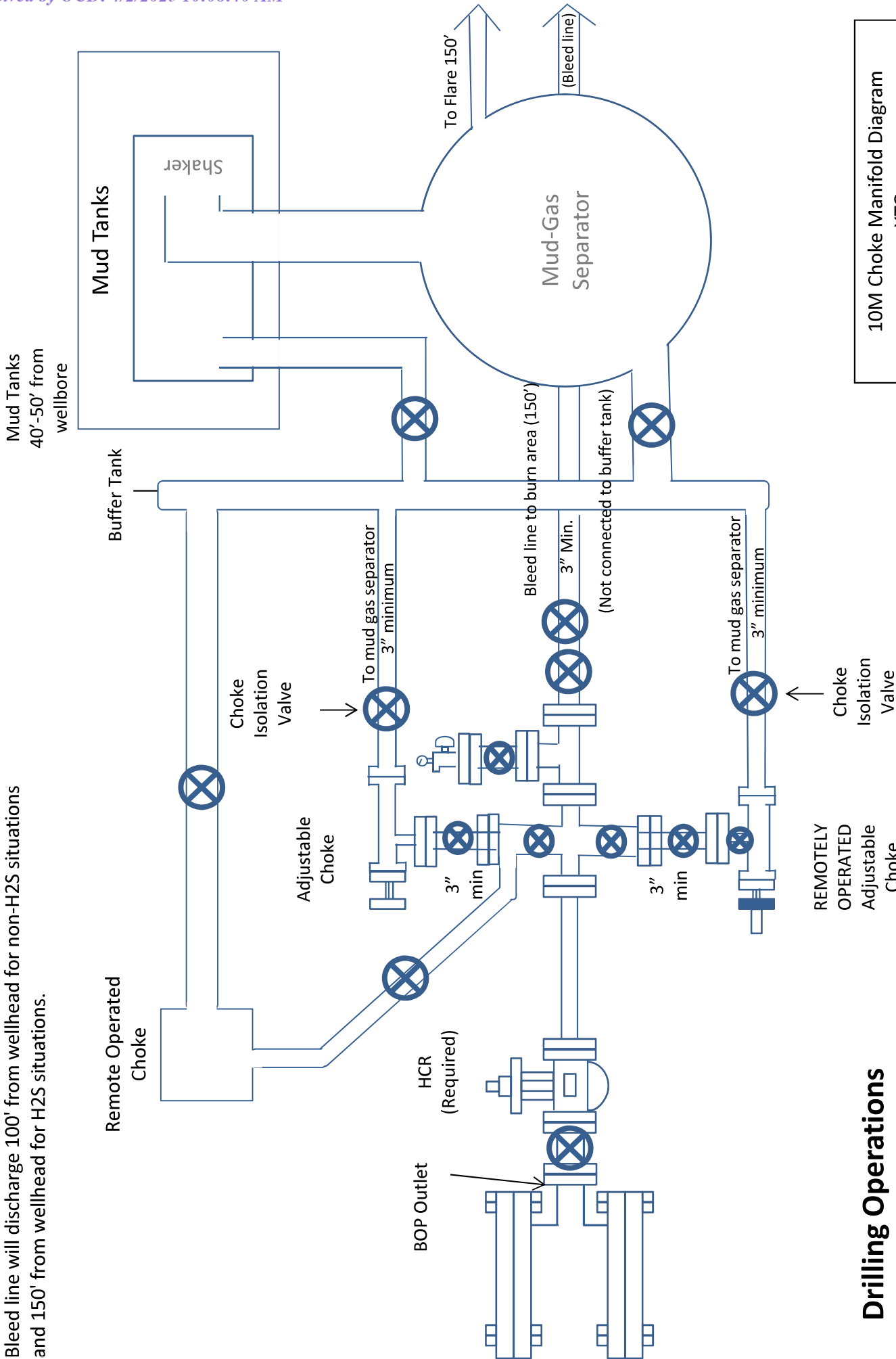
Notes

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



10M Choke Manifold Diagram
XTO

**Drilling Operations
Choke Manifold
10M Service**



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

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 nipped 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.

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.

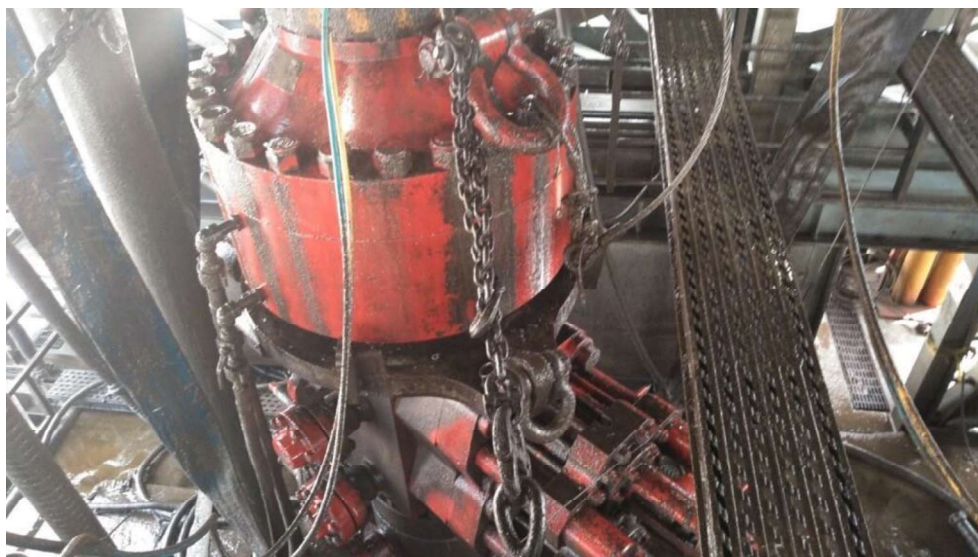


Figure 1: Winch System attached to BOP Stack

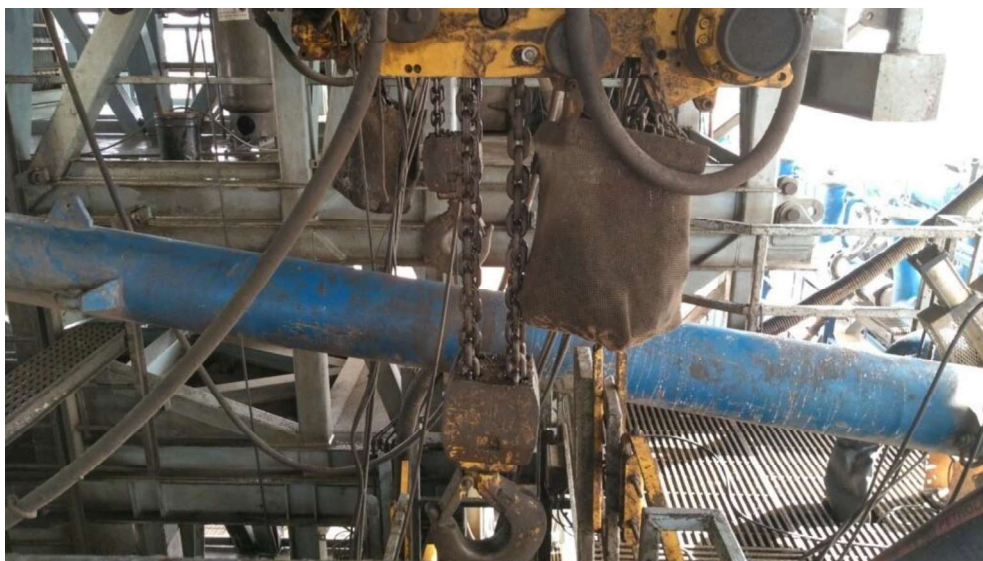


Figure 2: BOP Winch System

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 3170 recognizes 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.

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API STANDARD 53

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

Component to be Pressure Tested	Pressure Test—Low Pressure ^{a,c} psig (MPa)	Pressure Test—High Pressure ^{a,c}	
		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 ^{b,d}	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

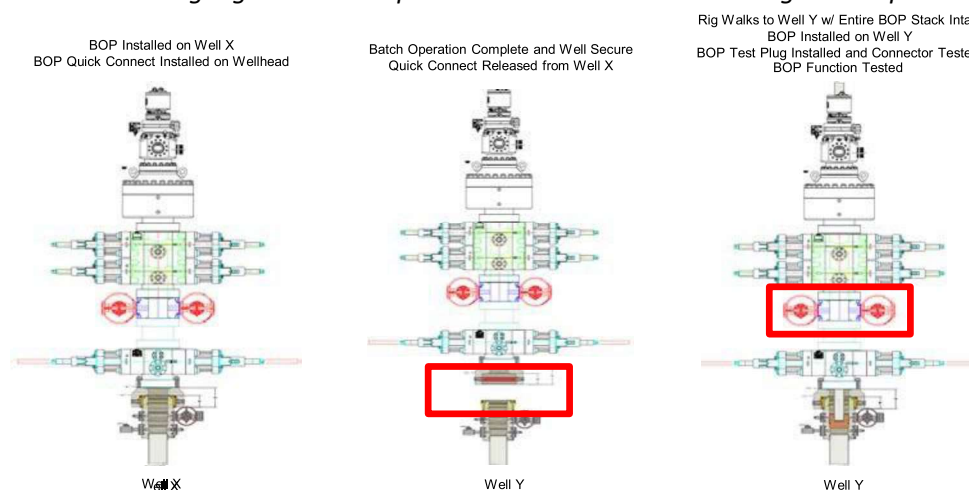
each BOP nipple up, XTO Energy performs a choke drill with the rig crew prior to drilling out every casing shoe. This is additional training for the rig crew that exceeds the requirements of the CFR Title 43 Part 3170.

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



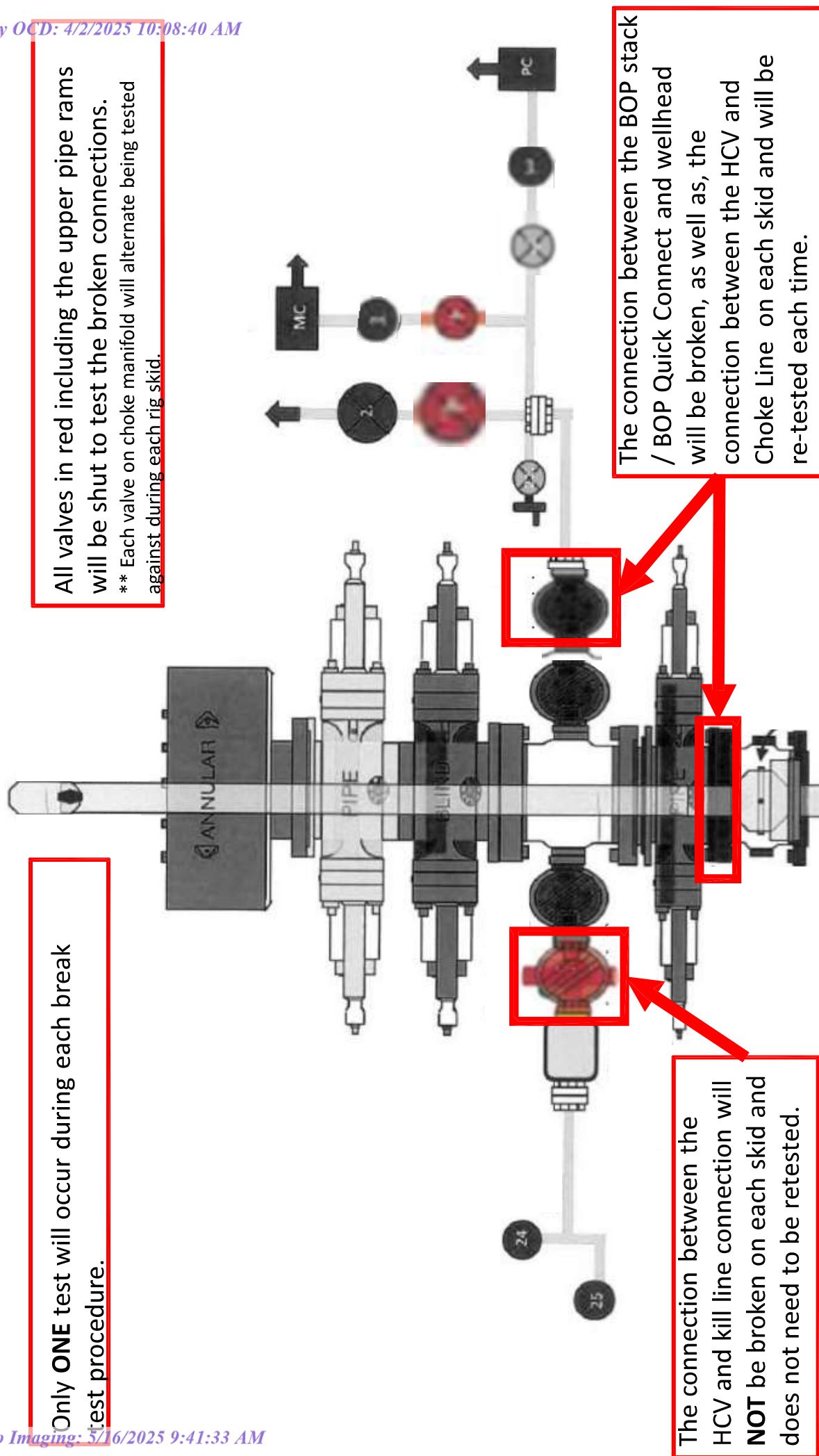
Summary

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.



**BLACK GOLD®**

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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. OSMOS***TITLE:****QUALITY ASSURANCE****DATE:****1/25/2024**



H3-15/16

1/25/2024 11:48:06 AM

TEST REPORT

CUSTOMER

Company: Nabors Industries Inc.

Production description: 74621/66-1531

Sales order #: 529480

Customer reference: FG1213

TEST OBJECT

Serial number: H3-012524-1

Lot number:

Description: 74621/66-1531

Hose ID: 3" 16C CK

Part number:

TEST INFORMATION

Test procedure: GTS-04-053

Test pressure: 15000.00 psi

Test pressure hold: 3600.00 sec

Work pressure: 10000.00 psi

Work pressure hold: 900.00 sec

Length difference: 0.00 %

Length difference: 0.00 inch

Fitting 1: 3.0 x 4-1/16 10K

Part number:

Description:

Fitting 2: 3.0 x 4-1/16 10K

Part number:

Description:

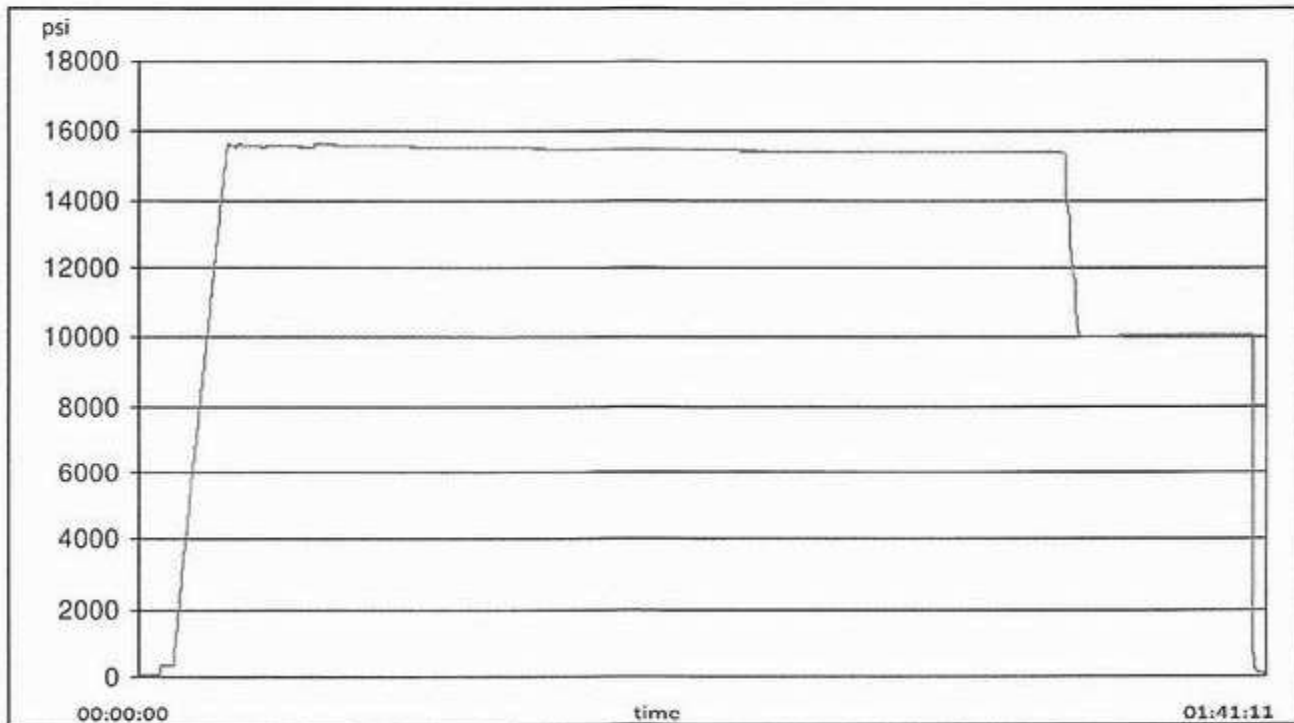
Visual check:

Pressure test result: PASS

Length measurement result:

Length: 45 feet

Test operator: Travis





H3-15/16

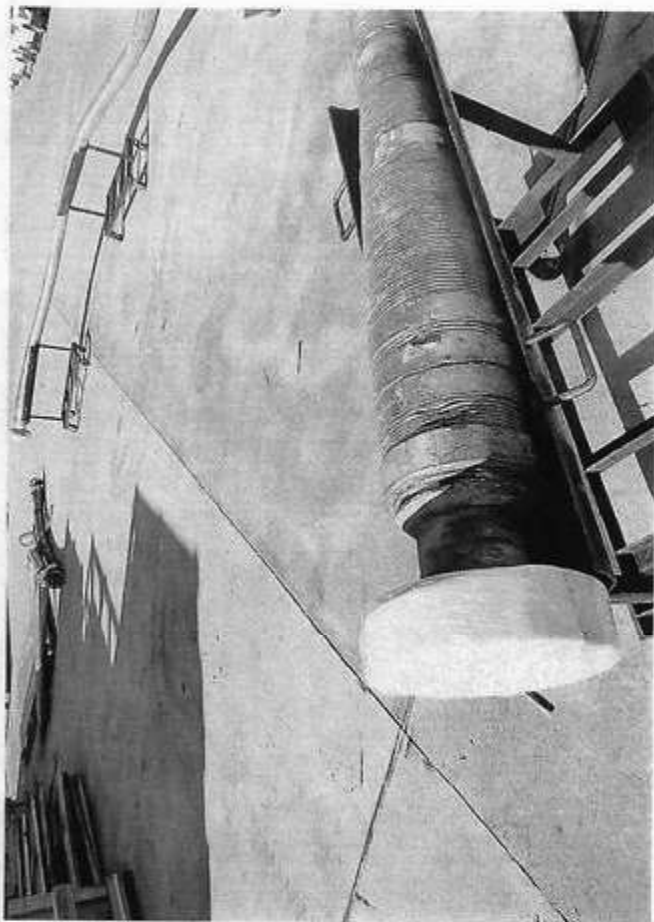
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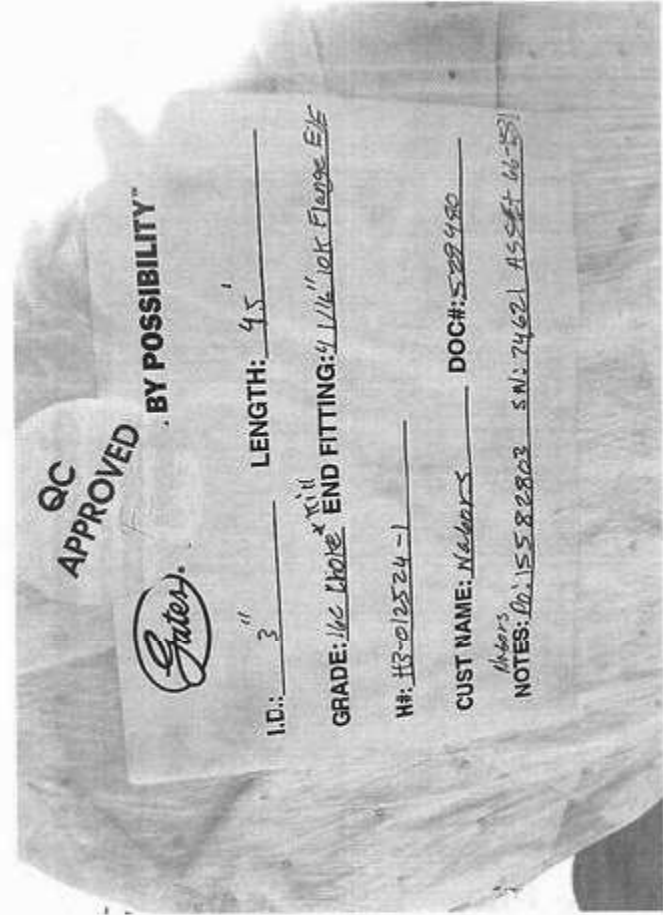
TEST REPORT

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





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.

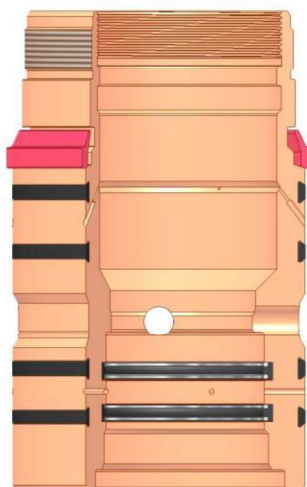
1. Cement Program

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

2. Offline Cementing Procedure

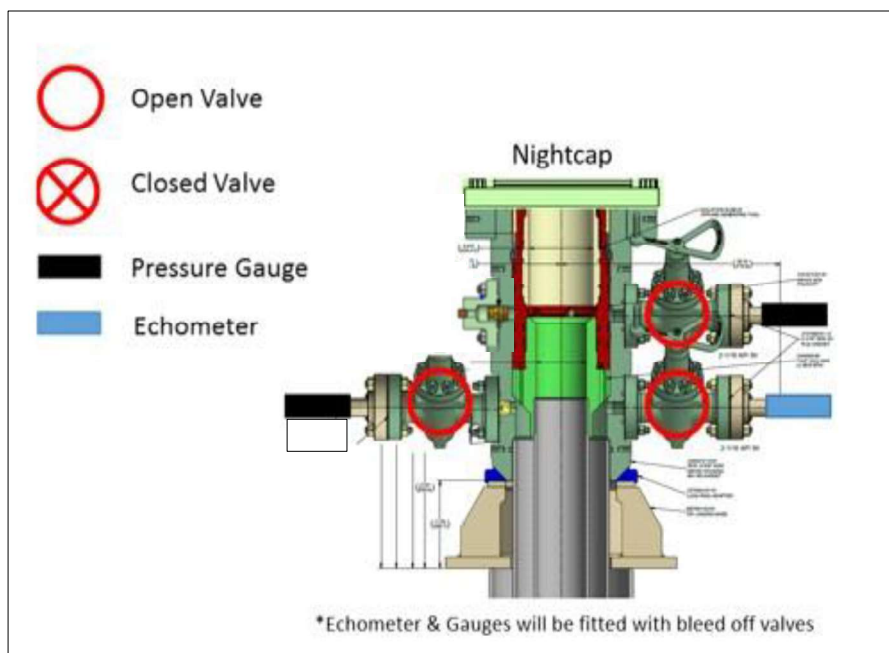
The operational sequence will be as follows. If a well control event occurs, the BLM will be contacted for approval prior to conducting offline cementing operations.

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 nipped 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.



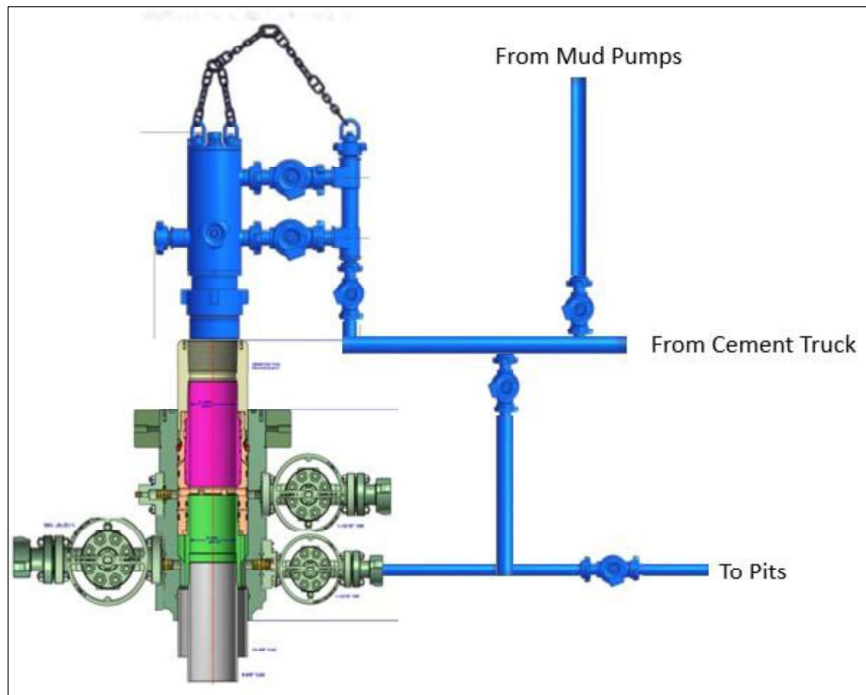
Annular packoff with both external and internal seals

XTO Permian Operating, LLC Offline Cementing Variance Request



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 nipping 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.

Sante Fe Main Office
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General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 447991

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 447991
	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.	5/16/2025