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

Sundry Print Report

11/07/2024

Well Name: POKER LAKE UNIT 22 DTD

Well Location: T24S / R30E / SEC 22 / NWNE / 32.209431 / -103.866378

County or Parish/State: EDDY / NM

Well Number: 155H

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMNM068905

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001549872

Operator: XTO PERMIAN OPERATING LLC

Notice of Intent

Sundry ID: 2786003

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 04/19/2024

Time Sundry Submitted: 01:55

Date proposed operation will begin: 05/03/2024

Procedure Description: XTO Permian Operating, LLC. respectfully requests approval to make the following changes to the approved APD. Changes to include FTP, LTP, BHL, Casing sizes, Cement, Proposed total Depth, and formation (Pool). FROM: TO: FTP: 100' FSL & 2237' FEL OF SECTION 15-T24S-R30E 100' FNL & 1389' FEL OF SECTION 22-T24S-R30E LTP: 328' FNL & 2178' FEL OF SECTION 3-T24S-R30E 2537' FNL & 1388' FEL OF SECTION 34-T24S-R30E BHL: 198' FNL & 2178' FEL OF SECTION 3-T24S-R30E 2627' FNL & 1388' FEL OF SECTION 34-T24S-R30E The proposed total depth is changing from 28060’ MD; 12193’ TVD (Jennings/ WOLFCAMP (GAS)) to 24156’ MD; 11364’ TVD (Wolfcamp A). See attached Drilling Plan for updated cement and casing program. Attachments: C-102, Drilling Plan, Directional Plan, MBS, BOP Variance, and Well Control Plan, Non-API Standard Spec Sheets.

NOI Attachments

Procedure Description

PLU_22_DTD_155H_Sundry_Documents_20241023071958.pdf

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Lease Number: NMNM068905

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001549872

Operator: XTO PERMIAN OPERATING LLC

Conditions of Approval

Additional

Poker_Lake_Unit_22_DTD_155H_COA_20241107083715.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: RICHARD REDUS

Signed on: OCT 23, 2024 07:19 AM

Name: XTO PERMIAN OPERATING LLC

Title: Permitting Manager

Street Address: 22777 SPRINGWOODS VILLAGE PARKWAY

City: SPRING **State:** TX

Phone: (720) 539-1673

Email address: RICHARD.L.REDUS@EXXONMOBIL.COM

Field

Representative Name:

Street Address:

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

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752342234

BLM POC Email Address: cwalls@blm.gov

Disposition: Approved

Disposition Date: 11/07/2024

Signature: Chris Walls

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No. NMLC068905

6. If Indian, Allottee or Tribe Name

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

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

8. Well Name and No.
POKER LAKE UNIT 22 DTD/155H

2. Name of Operator XTO PERMIAN OPERATING LLC

9. API Well No. 3001549872

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
Jennings/BONE SPRING

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
SEC 22/T24S/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
	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☑ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

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

XTO Permian Operating, LLC. respectfully requests approval to make the following changes to the approved APD. Changes to include FTP, LTP, BHL, Casing sizes, Cement, Proposed total Depth, and formation (Pool).

FROM: TO:

FTP: 100' FSL & 2237' FEL OF SECTION 15-T24S-R30E 100' FNL & 1389' FEL OF SECTION 22-T24S-R30E
LTP: 328' FNL & 2178' FEL OF SECTION 3-T24S-R30E 2537' FNL & 1388' FEL OF SECTION 34-T24S-R30E
BHL: 198' FNL & 2178' FEL OF SECTION 3-T24S-R30E 2627' FNL & 1388' FEL OF SECTION 34-T24S-R30E

The proposed total depth is changing from 28060 MD; 12193 TVD (Jennings/ WOLFCAMP (GAS)) to 24156 MD; 11364 TVD (Wolfcamp A).

See attached Drilling Plan for updated cement and casing program.

Continued on page 3 additional information

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*
RICHARD REDUS / Ph: (720) 539-1673

Title Permitting Manager

Signature (Electronic Submission)

Date 10/23/2024

THE SPACE FOR FEDERAL OR STATE OFICE USE

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

Title Petroleum Engineer

Date 11/07/2024

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

Office CARLSBAD

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

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.
AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.
PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c)and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.
ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.
EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:
The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.
Response to this request is mandatory.
The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

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

Additional Information

Additional Remarks

Attachments: C-102, Drilling Plan, Directional Plan, MBS, BOP Variance, and Well Control Plan, Non-API Standard Spec Sheets.

Location of Well

0. SHL: NWNE / 414 FNL / 1886 FEL / TWSP: 24S / RANGE: 30E / SECTION: 22 / LAT: 32.209431 / LONG: -103.866378 (TVD: 0 feet, MD: 0 feet)

PPP: SWNE / 100 FSL / 1577 FWL / TWSP: 24S / RANGE: 30E / SECTION: 15 / LAT: 32.210805 / LONG: -103.872488 (TVD: 12193 feet, MD: 15166 feet)

PPP: SWSE / 100 FSL / 2237 FEL / TWSP: 24S / RANGE: 30E / SECTION: 15 / LAT: 32.210837 / LONG: -103.867509 (TVD: 12193 feet, MD: 12526 feet)

PPP: NWNE / 300 FNL / 313 FWL / TWSP: 24S / RANGE: 30E / SECTION: 10 / LAT: 32.253158 / LONG: -103.876545 (TVD: 12193 feet, MD: 17806 feet)

BHL: LOT 2 / 198 FNL / 2178 FEL / TWSP: 24S / RANGE: 30E / SECTION: 3 / LAT: 32.253539 / LONG: -103.867292 (TVD: 12193 feet, MD: 28060 feet)

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO
LEASE NO.:	**NMLC068905**
LOCATION:	Sec. 22, T.24 S, R 30 E
COUNTY:	Eddy County, New Mexico
WELL NAME & NO.:	Poker Lake Unit 22 DTD 155H
SURFACE HOLE FOOTAGE:	414'/N & 1886'/E
BOTTOM HOLE FOOTAGE:	2627'/N & 1388'/E

*Changes approved through engineering via **Sundry 2786003** on _11-6-2024__. Any previous COAs not addressed within the updated COAs still apply.*

COA

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

A. HYDROGEN SULFIDE

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

B. CASING

1. The **9-5/8** inch surface casing shall be set at approximately **894** 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 6466'**

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.

Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.

a. 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.
b. Manufacturer representative shall install the test plug for the initial BOP test.
c. 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.
d. 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 11/7/2024
575-234-5998 / zstevens@blm.gov

Type: ☒ Amended Report ☐ As Drilled

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-015-	98220	PURPLE SAGE; WOLFCAMP (GAS)

Property Code	Property Name	Well Number
	POKER LAKE UNIT 22 DTD	155H

OGRID No.	Operator Name	Ground Level Elevation
373075	XTO PERMIAN OPERATING, LLC.	3,413'

Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Surface Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
B	22	24S	30E		414 FNL	1,886 FEL	32.209431	-103.866378	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
G	34	24S	30E		2,627 FNL	1,388 FEL	32.174383	-103.864699	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
1,600.00	INFILL	30-015-49881	Y	U

Order Numbers.

Well Setbacks are under Common Ownership: ☒ Yes ☐ No

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
B	22	24S	30E		414 FNL	1,886 FEL	32.209431	-103.866378	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
B	22	24S	30E		100 FNL	1,389 FEL	32.210305	-103.864770	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
G	34	24S	30E		2,537 FNL	1,388 FEL	32.174630	-103.864700	EDDY

Unitized Area of Area of Interest	Spacing Unit Type : ☒ Horizontal ☐ Vertical	Ground Elevation
		3,413'

OPERATOR CERTIFICATIONS

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or a voluntary pooling agreement or a compulsory pooling order of 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 information) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

Terra Sebastian — 10/29/2024

Signature — Date

Terra Sebastian

Printed Name

SURVEYOR CERTIFICATIONS

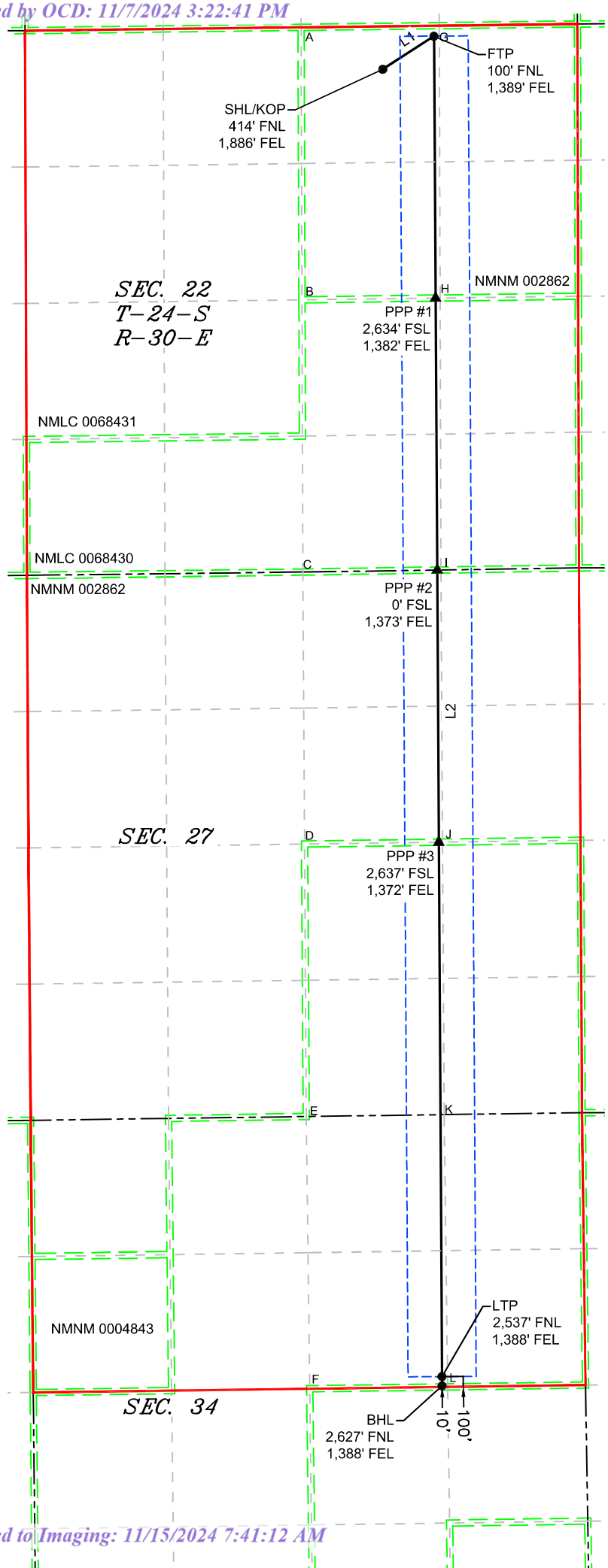
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief

MARK DILLON HARP NEW MEXICO 23786 PROFESSIONAL SURVEYOR

Signature and Seal of Professional Surveyor

MARK DILLON HARP 23786 — 10/29/2024

Certificate Number — Date of Survey



LEGEND

- SECTION LINE
- PROPOSED WELL BORE
- NEW MEXICO MINERAL LEASE
- 330' BUFFER
- ALLOCATION AREA

LINE TABLE		
LINE	AZIMUTH	LENGTH
L1	057°10'15"	590.28'
L2	179°39'14"	13,067.95'

COORDINATE TABLE

SHL (NAD 83 NME)			SHL (NAD 27 NME)		
Y =	440,238.8	N	Y =	440,179.7	N
X =	685,758.8	E	X =	644,575.1	E
LAT. =	32.209431	°N	LAT. =	32.209307	°N
LONG. =	103.866378	°W	LONG. =	103.865891	°W
FTP (NAD 83 NME)			**FTP (NAD 27 NME)**		
Y =	440,558.8	N	Y =	440,499.8	N
X =	686,254.8	E	X =	645,071.1	E
LAT. =	32.210305	°N	LAT. =	32.210181	°N
LONG. =	103.864770	°W	LONG. =	103.864283	°W
PPP #1 (NAD 83 NME)			**PPP #1 (NAD 27 NME)**		
Y =	438,023.1	N	Y =	437,964.1	N
X =	686,270.0	E	X =	645,086.2	E
LAT. =	32.203334	°N	LAT. =	32.203210	°N
LONG. =	103.864756	°W	LONG. =	103.864270	°W
PPP #2 (NAD 83 NME)			**PPP #2 (NAD 27 NME)**		
Y =	435,388.9	N	Y =	435,330.0	N
X =	686,285.9	E	X =	645,102.0	E
LAT. =	32.196093	°N	LAT. =	32.195969	°N
LONG. =	103.864742	°W	LONG. =	103.864256	°W
PPP #3 (NAD 83 NME)			**PPP #3 (NAD 27 NME)**		
Y =	432,755.3	N	Y =	432,696.4	N
X =	686,301.7	E	X =	645,117.7	E
LAT. =	32.188854	°N	LAT. =	32.188730	°N
LONG. =	103.864728	°W	LONG. =	103.864242	°W
LTP (NAD 83 NME)			**LTP (NAD 27 NME)**		
Y =	427,581.1	N	Y =	427,522.4	N
X =	686,332.9	E	X =	645,148.7	E
LAT. =	32.174630	°N	LAT. =	32.174506	°N
LONG. =	103.864700	°W	LONG. =	103.864215	°W
BHL (NAD 83 NME)			**BHL (NAD 27 NME)**		
Y =	427,491.1	N	Y =	427,432.4	N
X =	686,333.7	E	X =	645,149.5	E
LAT. =	32.174383	°N	LAT. =	32.174259	°N
LONG. =	103.864699	°W	LONG. =	103.864214	°W
CORNER COORDINATES (NAD 83 NME)					
A - Y =	440,643.4	N	A - X =	684,967.0	E
B - Y =	438,006.2	N	B - X =	684,975.6	E
C - Y =	435,369.6	N	C - X =	684,984.2	E
D - Y =	432,737.2	N	D - X =	685,000.6	E
E - Y =	430,100.4	N	E - X =	685,017.0	E
F - Y =	427,463.7	N	F - X =	685,050.8	E
G - Y =	440,659.4	N	G - X =	686,305.3	E
H - Y =	438,023.6	N	H - X =	686,313.8	E
I - Y =	435,389.4	N	I - X =	686,321.7	E
J - Y =	432,755.8	N	J - X =	686,337.0	E
K - Y =	430,118.7	N	K - X =	686,353.1	E
L - Y =	427,481.8	N	L - X =	686,386.5	E
CORNER COORDINATES (NAD 27 NME)					
A - Y =	440,584.3	N	A - X =	643,783.3	E
B - Y =	437,947.2	N	B - X =	643,791.8	E
C - Y =	435,310.6	N	C - X =	643,800.3	E
D - Y =	432,678.3	N	D - X =	643,816.6	E
E - Y =	430,041.6	N	E - X =	643,832.9	E
F - Y =	427,404.9	N	F - X =	643,866.6	E
G - Y =	440,600.4	N	G - X =	645,121.6	E
H - Y =	437,964.6	N	H - X =	645,129.9	E

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

XTO Energy Inc.
POKER LAKE UNIT 22 DTD 155H
Projected TD: 24156' MD / 11364' TVD
SHL: 414' FNL & 1886' FEL , Section 22, T24S, R30E
BHL: 2627' FNL & 1388' FEL , Section 34, T24S, R30E
EDDY County, NM

1. Geologic Name of Surface Formation

A. Quaternary

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

Formation	Well Depth (TVD)	Water/Oil/Gas
Rustler	1130'	Water
Top of Salt	1533'	Water
Base of Salt	3726'	Water
Delaware	3920'	Water
Brushy Canyon	6466'	Water/Oil/Gas
Bone Spring	7790'	Water
Avalon	8483'	Water/Oil/Gas
1st Bone Spring	8499'	Water/Oil/Gas
2nd Bone Spring	9084'	Water/Oil/Gas
3rd Bone Spring	9910'	Water/Oil/Gas
Wolfcamp	11095'	Water/Oil/Gas
Wolfcamp X	11116'	Water/Oil/Gas
Wolfcamp Y	11197'	Water/Oil/Gas
Wolfcamp A	11244'	Water/Oil/Gas
Target/Land Curve	11364'	Water/Oil/Gas

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

No other formations are expected to yield oil, gas or fresh water in measurable volumes. The surface fresh water sands will be protected by setting 9.625 inch casing @ 1230' (303' above the salt) and circulating cement back to surface. The intermediate will isolate from the top of salt down to the next casing seat by setting 7.625 inch casing at 10480' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 24156 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 10180 feet).

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0' – 1230'	9.625	40	J-55	BTC	New	1.59	5.12	12.80
8.75	0' – 4000'	7.625	29.7	RY P-110	Flush Joint	New	2.20	2.92	1.79
8.75	4000' – 10480'	7.625	29.7	HC L-80	Flush Joint	New	1.60	2.28	2.11
6.75	0' – 10380'	5.5	20	RY P-110	Semi-Premium	New	1.05	1.79	1.99
6.75	10380' - 24156'	5.5	20	RY P-110	Semi-Flush	New	1.05	1.63	1.99

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

XTO will use a Multi-Bowl System, see attached.

U. S. Steel Tubular Products

11/29/2021 4:16:04 PM

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

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

Notes

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

U. S. Steel Tubular Products
460 Wildwood Forest Drive, Suite 300S
Spring, Texas 77380

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

U. S. Steel Tubular Products

11/8/2023 1:08:50 PM

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

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

Notes

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

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4. Cement Program

Surface Casing: 9.625, 40 New BTC, J-55 casing to be set at +/- 1230'

Lead: 310 sxs EconoCem-HLTRRC (mixed at 10.5 ppg, 1.87 ft3/sx, 10.13 gal/sx water)
Tail: 130 sxs Class C + 2% CaCl (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)
Top of Cement: Surface
Compressives: 12-hr = 900 psi 24 hr = 1500 psi

2nd Intermediate Casing: 7.625, 29.7 New casing to be set at +/- 10480'
1st Stage
Optional Lead: 350 sxs Class C (mixed at 10.5 ppg, 2.77 ft3/sx, 15.59 gal/sx water)
TOC: Surface
Tail: 370 sxs Class C (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)
TOC: Brushy Canyon @ 6466
Compressives: 12-hr = 900 psi 24 hr = 1150 psi

2nd Stage
Lead: 0 sxs Class C (mixed at 12.9 ppg, 2.16 ft3/sx, 9.61 gal/sx water)
Tail: 730 sxs Class C (mixed at 14.8 ppg, 1.33 ft3/sx, 6.39 gal/sx water)
Top of Cement: 0
Compressives: 12-hr = 900 psi 24 hr = 1150 psi

XTO requests to pump a two stage cement job on the 7-5/8" intermediate casing string with the first stage being pumped conventionally with the calculated top of cement at the Brush Canyon (6466') and the second stage performed as a bradenhead squeeze with planned cement from the Brushy Canyon to surface. If cement is not visually confirmed to circulate to surface, the final cement top after the second stage job will be verified by Echo-meter. If necessary, a top out consisting of 1,500 sack of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (2.30 yld, 12.91 ppg) will be executed as a contingency. If cement is still unable to circulate to surface, another Echo-meter run will be performed for cement top verification.

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

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

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

Production Casing: 5.5, 20 New Semi-Flush, RY P-110 casing to be set at +/- 24156'

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft3/sx, 15.00 gal/sx water) Top of Cement: 10180 feet
Tail: 960 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft3/sx, 8.38 gal/sx water) Top of Cement: 10680 feet
Compressives: 12-hr = 800 psi 24 hr = 1500 psi

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

5. Pressure Control Equipment

Once the permanent WH is installed on the 9.625 casing, the blow out preventer equipment (BOP) will consist of a 13-5/8" minimum 5M Hydril and a 13-5/8" minimum 10M Double Ram BOP. MASP should not exceed 4296 psi. In any instance where 10M BOP is required by BLM, XTO requests a variance to utilize 5M annular with 10M ram preventers (a common BOP configuration, which allows use of 10M rams in unlikely event that pressures exceed 5M).

All BOP testing will be done by an independent service company. Operator will test aas per 43 CFR 3172.

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

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

hole on each of the wells.

A variance is requested to **ONLY** test broken pressure seals on the BOP equipment when moving from wellhead to wellhead which is in compliance with API Standard 53. API standard 53 states, that for pad drilling operation, moving from one wellhead to another within 21 days, pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken. Based on discussions with the BLM on February 27th 2020, we will request permission to **ONLY** retest broken pressure seals if the following conditions are met: 1. After a full BOP test is conducted on the first well on the pad 2. When skidding to drill an intermediate section that does not penetrate into the Wolfcamp.

6. Proposed Mud Circulation System

INTERVAL	Hole Size	Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)
0' - 1230'	12.25	FW/Native	8.4-8.9	35-40	NC
1230' - 10480'	8.75	FW / Cut Brine / Direct Emulsion	8.8-9.3	30-32	NC
10480' - 24156'	6.75	OBM	11.5-12	50-60	NC - 20

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 9-5/8" surface casing with brine solution. Cut brine mud will be used while drilling through the salt formation. Use fibrous materials as needed to control seepage and lost circulation. Pump viscous sweeps as needed for hole cleaning. Pump speed will be recorded on a daily drilling report after mudding up. A Pason or Totco will be used to detect changes in loss or gain of mud volume. A mud test will be performed every 24 hours to determine: density, viscosity, strength, filtration and pH as necessary. Use available solids controls equipment to help keep mud weight down after mud up. Rig up solids control equipment to operate as a closed loop system.

7. Auxiliary Well Control and Monitoring Equipment

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

8. Logging, Coring and Testing Program

Open hole logging will not be done on this well.

9. Abnormal Pressures and Temperatures / Potential Hazards

None Anticipated. BHT of 175 to 195 F is anticipated. No H2S is expected but monitors will be in place to detect any H2S occurrences. Should these circumstances be encountered the operator and drilling contractor are prepared to take all necessary steps to ensure safety of all personnel and environment. Lost circulation could occur but is not expected to be a serious problem in this area and hole seepage will be compensated for by additions of small amounts of LCM in the drilling fluid. The maximum anticipated bottom hole pressure for this well is 6796 psi.

10. Anticipated Starting Date and Duration of Operations

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

Well Plan Report - Poker Lake Unit 22 DTD South 155H

Measured Depth:	24156.48 ft
TVD RKB:	11364.00 ft
Location	
Cartographic Reference System:	New Mexico East - NAD 27
Northing:	440179.70 ft
Easting:	644575.10 ft
RKB:	3445.00 ft
Ground Level:	3413.00 ft
North Reference:	Grid
Convergence Angle:	0.25 Deg

Plan Sections Poker Lake Unit 22 DTD South 155H

Measured Depth (ft)	Inclination (Deg)	Azimuth (Deg)	TVD RKB (ft)	Y Offset (ft)	X Offset (ft)	Build Rate (Deg/100ft)	Turn Rate (Deg/100ft)	Dogleg Rate (Deg/100ft)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	0.00	
1418.92	6.38	57.16	1418.27	9.62	14.90	2.00	0.00	2.00	
6413.31	6.38	57.16	6381.73	310.48	481.10	0.00	0.00	0.00	
6732.23	0.00	0.00	6700.00	320.10	496.00	-2.00	0.00	2.00	
10680.03	0.00	0.00	10647.80	320.10	496.00	0.00	0.00	0.00	
11805.03	90.00	179.66	11364.00	-396.08	500.29	8.00	0.00	8.00	
24066.36	90.00	179.66	11364.00	-12657.19	573.69	0.00	0.00	0.00	LTP 8
24156.48	90.00	179.66	11364.00	-12747.31	574.23	0.00	0.00	0.00	BHL 8

Position Uncertainty Poker Lake Unit 22 DTD South 155H

Measured Depth	Inclination	Azimuth	TVD RKB	Highside Error	Highside Bias	Lateral Error	Lateral Bias	Vertical Error	Vertical Bias	Magnitude of Bias	Semi-major Error	Semi-minor Error	Semi-minor Azimuth	Tool Used

(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
100.000	0.000	0.000	100.000	0.358	0.000	0.179	0.000	2.300	0.000	0.000	0.358	0.179	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
200.000	0.000	0.000	200.000	0.717	0.000	0.538	0.000	2.310	0.000	0.000	0.717	0.538	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
300.000	0.000	0.000	300.000	1.075	0.000	0.896	0.000	2.325	0.000	0.000	1.075	0.896	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
400.000	0.000	0.000	400.000	1.434	0.000	1.255	0.000	2.347	0.000	0.000	1.434	1.255	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
500.000	0.000	0.000	500.000	1.792	0.000	1.613	0.000	2.375	0.000	0.000	1.792	1.613	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
600.000	0.000	0.000	600.000	2.151	0.000	1.972	0.000	2.407	0.000	0.000	2.151	1.972	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
700.000	0.000	0.000	700.000	2.509	0.000	2.330	0.000	2.444	0.000	0.000	2.509	2.330	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
800.000	0.000	0.000	800.000	2.868	0.000	2.689	0.000	2.486	0.000	0.000	2.868	2.689	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
900.000	0.000	0.000	900.000	3.226	0.000	3.047	0.000	2.532	0.000	0.000	3.226	3.047	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
1000.000	0.000	0.000	1000.000	3.585	0.000	3.405	0.000	2.582	0.000	0.000	3.585	3.405	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
1100.000	0.000	0.000	1100.000	3.943	0.000	3.764	0.000	2.636	0.000	0.000	3.943	3.764	90.000	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
1200.000	2.000	57.163	1199.980	4.170	0.000	4.246	0.000	2.692	0.000	0.000	4.298	4.118	90.101	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
1300.000	4.000	57.163	1299.838	4.515	0.000	4.597	0.000	2.749	0.000	0.000	4.650	4.470	90.450	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
1400.000	6.000	57.163	1399.452	4.856	0.000	4.948	0.000	2.808	0.000	0.000	5.004	4.821	90.829	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
1418.924	6.378	57.163	1418.265	4.919	0.000	5.015	0.000	2.816	0.000	0.000	5.071	4.889	91.138	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
1500.000	6.378	57.163	1498.840	5.205	0.000	5.301	0.000	2.870	0.000	0.000	5.357	5.172	90.995	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
1600.000	6.378	57.163	1598.221	5.558	0.000	5.654	0.000	2.938	0.000	0.000	5.711	5.522	90.773	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
1700.000	6.378	57.163	1697.602	5.911	0.000	6.008	0.000	3.010	0.000	0.000	6.066	5.873	90.581	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
1800.000	6.378	57.163	1796.983	6.266	0.000	6.363	0.000	3.084	0.000	0.000	6.421	6.225	90.415	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
1900.000	6.378	57.163	1896.364	6.621	0.000	6.718	0.000	3.160	0.000	0.000	6.777	6.577	90.269	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
2000.000	6.378	57.163	1995.745	6.977	0.000	7.074	0.000	3.239	0.000	0.000	7.134	6.929	90.141	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
2100.000	6.378	57.163	2095.126	7.333	0.000	7.430	0.000	3.319	0.000	0.000	7.490	7.283	90.028	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
2200.000	6.378	57.163	2194.507	7.689	0.000	7.786	0.000	3.401	0.000	0.000	7.847	7.636	89.927	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
2300.000	6.378	57.163	2293.888	8.046	0.000	8.143	0.000	3.485	0.000	0.000	8.205	7.990	89.837	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
2400.000	6.378	57.163	2393.269	8.403	0.000	8.500	0.000	3.571	0.000	0.000	8.562	8.344	89.756	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
2500.000	6.378	57.163	2492.649	8.760	0.000	8.857	0.000	3.658	0.000	0.000	8.920	8.698	89.684	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
2600.000	6.378	57.163	2592.030	9.118	0.000	9.214	0.000	3.747	0.000	0.000	9.278	9.053	89.618	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
2700.000	6.378	57.163	2691.411	9.475	0.000	9.571	0.000	3.837	0.000	0.000	9.636	9.408	89.559	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
2800.000	6.378	57.163	2790.792	9.833	0.000	9.929	0.000	3.929	0.000	0.000	9.995	9.763	89.505	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
2900.000	6.378	57.163	2890.173	10.191	0.000	10.287	0.000	4.022	0.000	0.000	10.353	10.118	89.457	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
3000.000	6.378	57.163	2989.554	10.549	0.000	10.644	0.000	4.117	0.000	0.000	10.712	10.473	89.412	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
3100.000	6.378	57.163	3088.935	10.908	0.000	11.002	0.000	4.213	0.000	0.000	11.071	10.829	89.372	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22

3200.000	6.378	57.163	3188.316	11.266	0.000	11.360	0.000	4.310	0.000	0.000	11.429	11.184	89.335	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
3300.000	6.378	57.163	3287.697	11.625	0.000	11.719	0.000	4.409	0.000	0.000	11.788	11.540	89.302	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
3400.000	6.378	57.163	3387.078	11.983	0.000	12.077	0.000	4.509	0.000	0.000	12.147	11.895	89.271	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
3500.000	6.378	57.163	3486.459	12.342	0.000	12.435	0.000	4.611	0.000	0.000	12.506	12.251	89.243	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
3600.000	6.378	57.163	3585.840	12.701	0.000	12.793	0.000	4.714	0.000	0.000	12.866	12.607	89.218	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
3700.000	6.378	57.163	3685.221	13.060	0.000	13.152	0.000	4.818	0.000	0.000	13.225	12.963	89.195	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
3800.000	6.378	57.163	3784.602	13.419	0.000	13.510	0.000	4.924	0.000	0.000	13.584	13.319	89.174	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
3900.000	6.378	57.163	3883.983	13.777	0.000	13.869	0.000	5.031	0.000	0.000	13.943	13.675	89.155	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
4000.000	6.378	57.163	3983.364	14.137	0.000	14.227	0.000	5.140	0.000	0.000	14.303	14.031	89.138	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
4100.000	6.378	57.163	4082.745	14.496	0.000	14.586	0.000	5.250	0.000	0.000	14.662	14.388	89.123	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
4200.000	6.378	57.163	4182.126	14.855	0.000	14.945	0.000	5.362	0.000	0.000	15.022	14.744	89.109	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
4300.000	6.378	57.163	4281.507	15.214	0.000	15.303	0.000	5.475	0.000	0.000	15.381	15.100	89.097	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
4400.000	6.378	57.163	4380.888	15.573	0.000	15.662	0.000	5.590	0.000	0.000	15.741	15.457	89.086	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
4500.000	6.378	57.163	4480.269	15.932	0.000	16.021	0.000	5.706	0.000	0.000	16.100	15.813	89.077	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
4600.000	6.378	57.163	4579.650	16.292	0.000	16.379	0.000	5.824	0.000	0.000	16.460	16.170	89.069	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
4700.000	6.378	57.163	4679.031	16.651	0.000	16.738	0.000	5.944	0.000	0.000	16.820	16.526	89.062	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
4800.000	6.378	57.163	4778.412	17.011	0.000	17.097	0.000	6.066	0.000	0.000	17.180	16.883	89.056	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
4900.000	6.378	57.163	4877.793	17.370	0.000	17.456	0.000	6.189	0.000	0.000	17.539	17.239	89.052	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
5000.000	6.378	57.163	4977.174	17.729	0.000	17.815	0.000	6.314	0.000	0.000	17.899	17.596	89.048	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
5100.000	6.378	57.163	5076.555	18.089	0.000	18.174	0.000	6.440	0.000	0.000	18.259	17.952	89.046	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
5200.000	6.378	57.163	5175.936	18.448	0.000	18.533	0.000	6.569	0.000	0.000	18.619	18.309	89.045	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
5300.000	6.378	57.163	5275.317	18.808	0.000	18.892	0.000	6.699	0.000	0.000	18.978	18.666	89.044	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
5400.000	6.378	57.163	5374.698	19.167	0.000	19.251	0.000	6.832	0.000	0.000	19.338	19.022	89.045	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
5500.000	6.378	57.163	5474.079	19.527	0.000	19.610	0.000	6.966	0.000	0.000	19.698	19.379	89.046	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
5600.000	6.378	57.163	5573.460	19.886	0.000	19.969	0.000	7.102	0.000	0.000	20.058	19.736	89.048	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
5700.000	6.378	57.163	5672.841	20.246	0.000	20.328	0.000	7.240	0.000	0.000	20.418	20.093	89.051	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
5800.000	6.378	57.163	5772.222	20.606	0.000	20.687	0.000	7.380	0.000	0.000	20.778	20.450	89.055	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
5900.000	6.378	57.163	5871.603	20.965	0.000	21.046	0.000	7.523	0.000	0.000	21.138	20.806	89.060	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
6000.000	6.378	57.163	5970.984	21.325	0.000	21.405	0.000	7.667	0.000	0.000	21.498	21.163	89.066	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
6100.000	6.378	57.163	6070.364	21.685	0.000	21.764	0.000	7.814	0.000	0.000	21.858	21.520	89.072	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
6200.000	6.378	57.163	6169.745	22.044	0.000	22.123	0.000	7.962	0.000	0.000	22.218	21.877	89.080	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
6300.000	6.378	57.163	6269.126	22.404	0.000	22.482	0.000	8.113	0.000	0.000	22.578	22.234	89.088	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
6400.000	6.378	57.163	6368.507	22.764	0.000	22.841	0.000	8.266	0.000	0.000	22.938	22.591	89.096	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
6413.310	6.378	57.163	6381.735	22.812	0.000	22.889	0.000	8.287	0.000	0.000	22.986	22.638	89.098	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22

6500.000	4.645	57.163	6468.021	23.127	0.000	23.200	0.000	8.421	0.000	0.000	23.298	22.948	89.109	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
6600.000	2.645	57.163	6567.814	23.467	0.000	23.558	0.000	8.577	0.000	0.000	23.656	23.304	89.163	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
6700.000	0.645	57.163	6667.767	23.780	0.000	23.913	0.000	8.732	0.000	0.000	24.012	23.661	89.252	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
6732.233	0.000	0.000	6700.000	24.126	0.000	23.774	0.000	8.781	0.000	0.000	24.126	23.774	89.252	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
6800.000	0.000	0.000	6767.767	24.364	0.000	24.012	0.000	8.886	0.000	0.000	24.364	24.012	89.192	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
6900.000	0.000	0.000	6867.767	24.715	0.000	24.362	0.000	9.042	0.000	0.000	24.715	24.362	89.106	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
7000.000	0.000	0.000	6967.767	25.067	0.000	24.713	0.000	9.201	0.000	0.000	25.067	24.713	89.023	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
7100.000	0.000	0.000	7067.767	25.419	0.000	25.064	0.000	9.362	0.000	0.000	25.419	25.064	88.943	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
7200.000	0.000	0.000	7167.767	25.771	0.000	25.415	0.000	9.526	0.000	0.000	25.771	25.415	88.865	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
7300.000	0.000	0.000	7267.767	26.123	0.000	25.767	0.000	9.693	0.000	0.000	26.123	25.766	88.790	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
7400.000	0.000	0.000	7367.767	26.475	0.000	26.118	0.000	9.862	0.000	0.000	26.475	26.118	88.717	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
7500.000	0.000	0.000	7467.767	26.828	0.000	26.470	0.000	10.034	0.000	0.000	26.828	26.470	88.647	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
7600.000	0.000	0.000	7567.767	27.180	0.000	26.822	0.000	10.209	0.000	0.000	27.180	26.821	88.578	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
7700.000	0.000	0.000	7667.767	27.533	0.000	27.174	0.000	10.387	0.000	0.000	27.533	27.174	88.512	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
7800.000	0.000	0.000	7767.767	27.886	0.000	27.526	0.000	10.567	0.000	0.000	27.886	27.526	88.448	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
7900.000	0.000	0.000	7867.767	28.239	0.000	27.878	0.000	10.750	0.000	0.000	28.239	27.878	88.385	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
8000.000	0.000	0.000	7967.767	28.592	0.000	28.231	0.000	10.936	0.000	0.000	28.593	28.231	88.324	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
8100.000	0.000	0.000	8067.767	28.946	0.000	28.584	0.000	11.125	0.000	0.000	28.946	28.583	88.265	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
8200.000	0.000	0.000	8167.767	29.299	0.000	28.937	0.000	11.316	0.000	0.000	29.299	28.936	88.208	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
8300.000	0.000	0.000	8267.767	29.653	0.000	29.290	0.000	11.510	0.000	0.000	29.653	29.289	88.152	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
8400.000	0.000	0.000	8367.767	30.006	0.000	29.643	0.000	11.708	0.000	0.000	30.007	29.642	88.098	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
8500.000	0.000	0.000	8467.767	30.360	0.000	29.996	0.000	11.908	0.000	0.000	30.361	29.995	88.045	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
8600.000	0.000	0.000	8567.767	30.714	0.000	30.349	0.000	12.110	0.000	0.000	30.715	30.349	87.994	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
8700.000	0.000	0.000	8667.767	31.068	0.000	30.703	0.000	12.316	0.000	0.000	31.069	30.702	87.943	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
8800.000	0.000	0.000	8767.767	31.422	0.000	31.056	0.000	12.525	0.000	0.000	31.423	31.056	87.895	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
8900.000	0.000	0.000	8867.767	31.777	0.000	31.410	0.000	12.736	0.000	0.000	31.777	31.410	87.847	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
9000.000	0.000	0.000	8967.767	32.131	0.000	31.764	0.000	12.951	0.000	0.000	32.131	31.763	87.801	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
9100.000	0.000	0.000	9067.767	32.485	0.000	32.118	0.000	13.168	0.000	0.000	32.486	32.117	87.755	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
9200.000	0.000	0.000	9167.767	32.840	0.000	32.472	0.000	13.389	0.000	0.000	32.840	32.471	87.711	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
9300.000	0.000	0.000	9267.767	33.194	0.000	32.826	0.000	13.612	0.000	0.000	33.195	32.825	87.668	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
9400.000	0.000	0.000	9367.767	33.549	0.000	33.180	0.000	13.838	0.000	0.000	33.550	33.180	87.626	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
9500.000	0.000	0.000	9467.767	33.904	0.000	33.534	0.000	14.067	0.000	0.000	33.904	33.534	87.585	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
9600.000	0.000	0.000	9567.767	34.259	0.000	33.889	0.000	14.300	0.000	0.000	34.259	33.888	87.545	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
9700.000	0.000	0.000	9667.767	34.614	0.000	34.243	0.000	14.535	0.000	0.000	34.614	34.243	87.506	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22

9800.000	0.000	0.000	9767.767	34.969	0.000	34.598	0.000	14.773	0.000	0.000	34.969	34.597	87.468	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
9900.000	0.000	0.000	9867.767	35.324	0.000	34.953	0.000	15.014	0.000	0.000	35.324	34.952	87.430	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
10000.000	0.000	0.000	9967.767	35.679	0.000	35.307	0.000	15.258	0.000	0.000	35.679	35.306	87.394	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
10100.000	0.000	0.000	10067.767	36.034	0.000	35.662	0.000	15.505	0.000	0.000	36.035	35.661	87.358	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
10200.000	0.000	0.000	10167.767	36.389	0.000	36.017	0.000	15.756	0.000	0.000	36.390	36.016	87.323	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
10300.000	0.000	0.000	10267.767	36.744	0.000	36.372	0.000	16.009	0.000	0.000	36.745	36.371	87.289	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
10400.000	0.000	0.000	10367.767	37.100	0.000	36.727	0.000	16.265	0.000	0.000	37.101	36.726	87.256	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
10500.000	0.000	0.000	10467.767	37.455	0.000	37.082	0.000	16.524	0.000	0.000	37.456	37.081	87.223	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
10600.000	0.000	0.000	10567.767	37.811	0.000	37.437	0.000	16.786	0.000	0.000	37.812	37.436	87.191	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
10680.033	0.000	0.000	10647.800	38.095	0.000	37.721	0.000	16.998	0.000	0.000	38.096	37.720	87.166	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
10700.000	1.597	179.657	10667.764	38.124	0.000	37.789	-0.000	17.052	0.000	0.000	38.164	37.788	87.155	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
10800.000	9.597	179.657	10767.206	37.890	0.000	38.112	-0.000	17.313	0.000	0.000	38.484	38.111	87.098	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
10900.000	17.597	179.657	10864.325	37.066	0.000	38.424	-0.000	17.563	0.000	0.000	38.790	38.423	87.077	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
11000.000	25.597	179.657	10957.229	35.682	0.000	38.720	-0.000	17.794	0.000	0.000	39.072	38.719	87.087	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
11100.000	33.597	179.657	11044.110	33.789	0.000	38.995	-0.000	18.004	0.000	0.000	39.321	38.994	87.153	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
11200.000	41.597	179.657	11123.277	31.466	0.000	39.246	-0.000	18.189	0.000	0.000	39.531	39.246	87.344	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
11300.000	49.597	179.657	11193.190	28.826	0.000	39.470	-0.000	18.350	0.000	0.000	39.698	39.470	87.840	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
11400.000	57.597	179.657	11252.487	26.027	0.000	39.664	-0.000	18.487	0.000	0.000	39.823	39.664	89.204	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
11500.000	65.597	179.657	11300.015	23.294	0.000	39.825	-0.000	18.603	0.000	0.000	39.909	39.824	94.099	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
11600.000	73.597	179.657	11334.849	20.934	0.000	39.952	-0.000	18.701	0.000	0.000	39.973	39.939	126.555	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
11700.000	81.597	179.657	11356.309	19.330	0.000	40.042	-0.000	18.785	0.000	0.000	40.054	39.976	-23.108	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
11805.033	90.000	179.657	11363.997	18.861	0.000	40.097	-0.000	18.861	0.000	0.000	40.112	39.984	-20.499	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
11900.000	90.000	179.657	11363.997	18.931	0.000	40.131	-0.000	18.931	0.000	0.000	40.152	39.985	-20.767	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
12000.000	90.000	179.657	11363.997	19.015	0.000	40.176	-0.000	19.015	0.000	0.000	40.201	39.986	-20.193	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
12100.000	90.000	179.657	11363.997	19.110	0.000	40.229	-0.000	19.110	0.000	0.000	40.257	39.989	-19.305	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
12200.000	90.000	179.657	11363.997	19.214	0.000	40.290	-0.000	19.214	0.000	0.000	40.321	39.994	-18.308	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
12300.000	90.000	179.657	11363.997	19.329	0.000	40.359	-0.000	19.329	0.000	0.000	40.393	39.999	-17.301	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
12400.000	90.000	179.657	11363.997	19.454	0.000	40.437	-0.000	19.454	0.000	0.000	40.472	40.006	-16.329	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
12500.000	90.000	179.657	11363.997	19.589	0.000	40.523	-0.000	19.589	0.000	0.000	40.559	40.014	-15.417	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
12600.000	90.000	179.657	11363.997	19.733	0.000	40.617	-0.000	19.733	0.000	0.000	40.655	40.023	-14.570	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
12700.000	90.000	179.657	11363.997	19.886	0.000	40.719	-0.000	19.886	0.000	0.000	40.758	40.032	-13.790	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
12800.000	90.000	179.657	11363.997	20.049	0.000	40.829	-0.000	20.049	0.000	0.000	40.868	40.043	-13.075	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
12900.000	90.000	179.657	11363.997	20.220	0.000	40.947	-0.000	20.220	0.000	0.000	40.987	40.054	-12.419	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
13000.000	90.000	179.657	11363.997	20.400	0.000	41.073	-0.000	20.400	0.000	0.000	41.113	40.066	-11.819	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22

13100.000	90.000	179.657	11363.997	20.589	0.000	41.206	-0.000	20.589	0.000	0.000	41.248	40.079	-11.268	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
13200.000	90.000	179.657	11363.997	20.785	0.000	41.348	-0.000	20.785	0.000	0.000	41.389	40.093	-10.762	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
13300.000	90.000	179.657	11363.997	20.990	0.000	41.497	-0.000	20.990	0.000	0.000	41.539	40.107	-10.297	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
13400.000	90.000	179.657	11363.997	21.203	0.000	41.653	-0.000	21.203	0.000	0.000	41.696	40.122	-9.868	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
13500.000	90.000	179.657	11363.997	21.423	0.000	41.817	-0.000	21.423	0.000	0.000	41.860	40.138	-9.471	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
13600.000	90.000	179.657	11363.997	21.650	0.000	41.989	-0.000	21.650	0.000	0.000	42.032	40.154	-9.105	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
13700.000	90.000	179.657	11363.997	21.885	0.000	42.168	-0.000	21.885	0.000	0.000	42.210	40.171	-8.764	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
13800.000	90.000	179.657	11363.997	22.126	0.000	42.354	-0.000	22.126	0.000	0.000	42.397	40.189	-8.448	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
13900.000	90.000	179.657	11363.997	22.374	0.000	42.547	-0.000	22.374	0.000	0.000	42.590	40.208	-8.154	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
14000.000	90.000	179.657	11363.997	22.628	0.000	42.747	-0.000	22.628	0.000	0.000	42.790	40.227	-7.879	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
14100.000	90.000	179.657	11363.997	22.889	0.000	42.954	-0.000	22.889	0.000	0.000	42.997	40.247	-7.622	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
14200.000	90.000	179.657	11363.997	23.155	0.000	43.168	-0.000	23.155	0.000	0.000	43.211	40.267	-7.381	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
14300.000	90.000	179.657	11363.997	23.428	0.000	43.389	-0.000	23.428	0.000	0.000	43.432	40.289	-7.155	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
14400.000	90.000	179.657	11363.997	23.706	0.000	43.616	-0.000	23.706	0.000	0.000	43.659	40.311	-6.943	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
14500.000	90.000	179.657	11363.997	23.989	0.000	43.850	-0.000	23.989	0.000	0.000	43.892	40.333	-6.743	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
14600.000	90.000	179.657	11363.997	24.277	0.000	44.090	-0.000	24.277	0.000	0.000	44.133	40.357	-6.554	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
14700.000	90.000	179.657	11363.997	24.571	0.000	44.337	-0.000	24.571	0.000	0.000	44.379	40.381	-6.376	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
14800.000	90.000	179.657	11363.997	24.869	0.000	44.590	-0.000	24.869	0.000	0.000	44.632	40.405	-6.208	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
14900.000	90.000	179.657	11363.997	25.172	0.000	44.848	-0.000	25.172	0.000	0.000	44.890	40.431	-6.049	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
15000.000	90.000	179.657	11363.997	25.480	0.000	45.113	-0.000	25.480	0.000	0.000	45.155	40.456	-5.897	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
15100.000	90.000	179.657	11363.997	25.792	0.000	45.384	-0.000	25.792	0.000	0.000	45.426	40.483	-5.754	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
15200.000	90.000	179.657	11363.997	26.108	0.000	45.661	-0.000	26.108	0.000	0.000	45.702	40.510	-5.617	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
15300.000	90.000	179.657	11363.997	26.428	0.000	45.943	-0.000	26.428	0.000	0.000	45.984	40.538	-5.487	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
15400.000	90.000	179.657	11363.997	26.752	0.000	46.231	-0.000	26.752	0.000	0.000	46.272	40.567	-5.363	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
15500.000	90.000	179.657	11363.997	27.079	0.000	46.524	-0.000	27.079	0.000	0.000	46.565	40.596	-5.245	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
15600.000	90.000	179.657	11363.997	27.411	0.000	46.823	-0.000	27.411	0.000	0.000	46.863	40.626	-5.132	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
15700.000	90.000	179.657	11363.997	27.746	0.000	47.126	-0.000	27.746	0.000	0.000	47.167	40.656	-5.025	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
15800.000	90.000	179.657	11363.997	28.084	0.000	47.436	-0.000	28.084	0.000	0.000	47.476	40.688	-4.922	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
15900.000	90.000	179.657	11363.997	28.425	0.000	47.750	-0.000	28.425	0.000	0.000	47.790	40.719	-4.823	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
16000.000	90.000	179.657	11363.997	28.770	0.000	48.069	-0.000	28.770	0.000	0.000	48.109	40.752	-4.728	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
16100.000	90.000	179.657	11363.997	29.117	0.000	48.393	-0.000	29.117	0.000	0.000	48.432	40.785	-4.637	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
16200.000	90.000	179.657	11363.997	29.468	0.000	48.722	-0.000	29.468	0.000	0.000	48.761	40.819	-4.550	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
16300.000	90.000	179.657	11363.997	29.821	0.000	49.055	-0.000	29.821	0.000	0.000	49.094	40.853	-4.467	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
16400.000	90.000	179.657	11363.997	30.177	0.000	49.393	-0.000	30.177	0.000	0.000	49.432	40.888	-4.386	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22

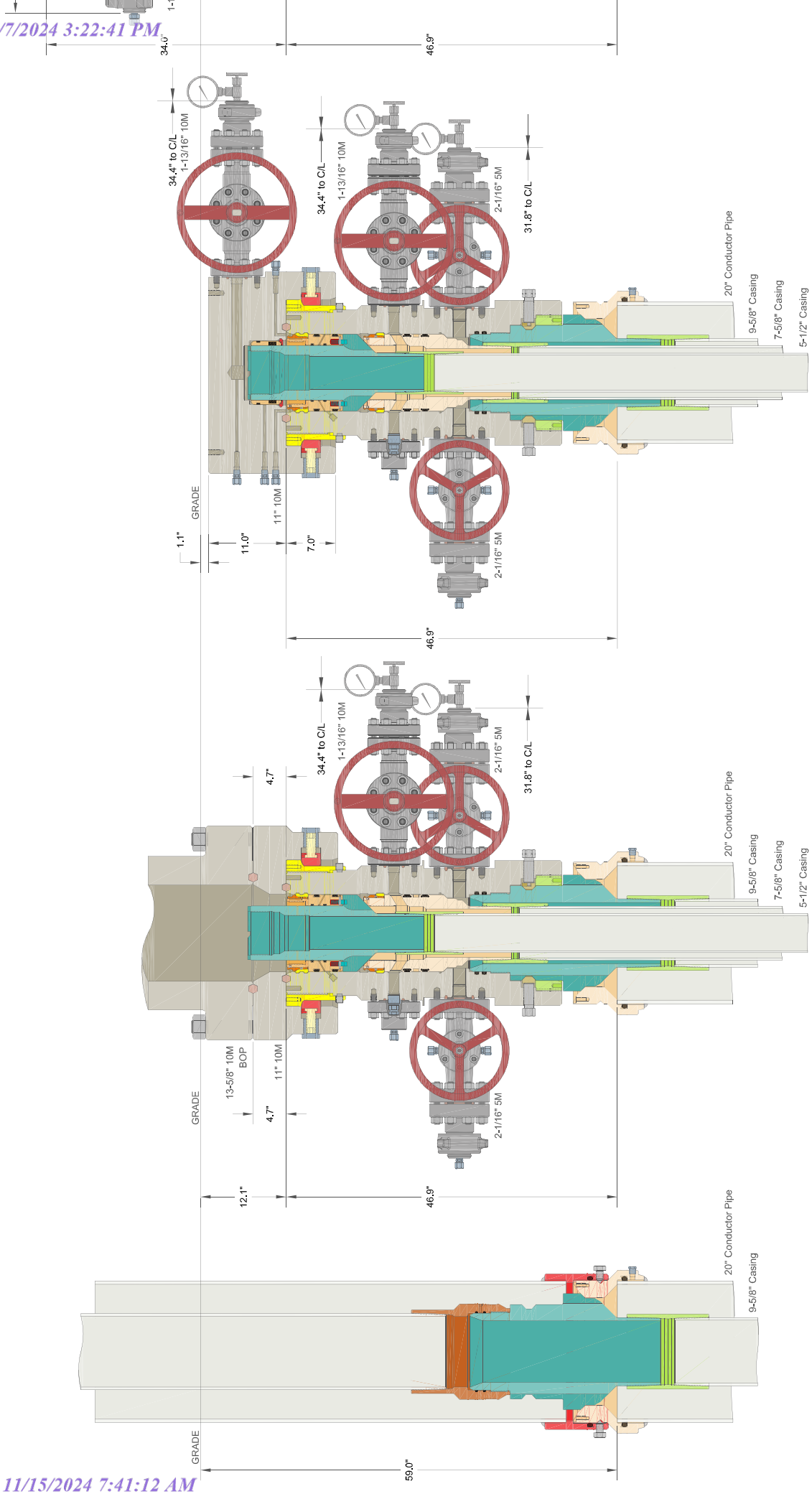
16500.000	90.000	179.657	11363.997	30.536	0.000	49.736	-0.000	30.536	0.000	0.000	49.774	40.924	-4.309	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
16600.000	90.000	179.657	11363.997	30.897	0.000	50.083	-0.000	30.897	0.000	0.000	50.121	40.960	-4.234	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
16700.000	90.000	179.657	11363.997	31.260	0.000	50.434	-0.000	31.260	0.000	0.000	50.472	40.997	-4.162	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
16800.000	90.000	179.657	11363.997	31.626	0.000	50.789	-0.000	31.626	0.000	0.000	50.827	41.035	-4.093	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
16900.000	90.000	179.657	11363.997	31.994	0.000	51.149	-0.000	31.994	0.000	0.000	51.187	41.073	-4.026	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
17000.000	90.000	179.657	11363.997	32.365	0.000	51.513	-0.000	32.365	0.000	0.000	51.550	41.112	-3.962	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
17100.000	90.000	179.657	11363.997	32.737	0.000	51.880	-0.000	32.737	0.000	0.000	51.917	41.151	-3.899	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
17200.000	90.000	179.657	11363.997	33.112	0.000	52.252	-0.000	33.112	0.000	0.000	52.289	41.191	-3.839	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
17300.000	90.000	179.657	11363.997	33.488	0.000	52.627	-0.000	33.488	0.000	0.000	52.664	41.232	-3.781	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
17400.000	90.000	179.657	11363.997	33.867	0.000	53.006	-0.000	33.867	0.000	0.000	53.042	41.273	-3.724	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
17500.000	90.000	179.657	11363.997	34.247	0.000	53.389	-0.000	34.247	0.000	0.000	53.425	41.315	-3.670	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
17600.000	90.000	179.657	11363.997	34.629	0.000	53.775	-0.000	34.629	0.000	0.000	53.811	41.357	-3.617	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
17700.000	90.000	179.657	11363.997	35.013	0.000	54.164	-0.000	35.013	0.000	0.000	54.200	41.400	-3.566	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
17800.000	90.000	179.657	11363.997	35.398	0.000	54.557	-0.000	35.398	0.000	0.000	54.593	41.444	-3.516	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
17900.000	90.000	179.657	11363.997	35.785	0.000	54.954	-0.000	35.785	0.000	0.000	54.989	41.489	-3.468	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
18000.000	90.000	179.657	11363.997	36.174	0.000	55.353	-0.000	36.174	0.000	0.000	55.388	41.533	-3.421	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
18100.000	90.000	179.657	11363.997	36.564	0.000	55.756	-0.000	36.564	0.000	0.000	55.791	41.579	-3.376	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
18200.000	90.000	179.657	11363.997	36.955	0.000	56.162	-0.000	36.955	0.000	0.000	56.197	41.625	-3.332	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
18300.000	90.000	179.657	11363.997	37.348	0.000	56.571	-0.000	37.348	0.000	0.000	56.606	41.672	-3.289	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
18400.000	90.000	179.657	11363.997	37.743	0.000	56.983	-0.000	37.743	0.000	0.000	57.017	41.719	-3.248	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
18500.000	90.000	179.657	11363.997	38.139	0.000	57.398	-0.000	38.139	0.000	0.000	57.432	41.767	-3.207	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
18600.000	90.000	179.657	11363.997	38.536	0.000	57.816	-0.000	38.536	0.000	0.000	57.850	41.816	-3.168	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
18700.000	90.000	179.657	11363.997	38.934	0.000	58.237	-0.000	38.934	0.000	0.000	58.270	41.865	-3.130	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
18800.000	90.000	179.657	11363.997	39.334	0.000	58.660	-0.000	39.334	0.000	0.000	58.693	41.915	-3.093	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
18900.000	90.000	179.657	11363.997	39.734	0.000	59.086	-0.000	39.734	0.000	0.000	59.119	41.965	-3.056	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
19000.000	90.000	179.657	11363.997	40.136	0.000	59.515	-0.000	40.136	0.000	0.000	59.547	42.016	-3.021	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
19100.000	90.000	179.657	11363.997	40.539	0.000	59.946	-0.000	40.539	0.000	0.000	59.978	42.067	-2.986	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
19200.000	90.000	179.657	11363.997	40.943	0.000	60.379	-0.000	40.943	0.000	0.000	60.412	42.119	-2.953	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
19300.000	90.000	179.657	11363.997	41.348	0.000	60.816	-0.000	41.348	0.000	0.000	60.848	42.172	-2.920	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
19400.000	90.000	179.657	11363.997	41.754	0.000	61.254	-0.000	41.754	0.000	0.000	61.286	42.225	-2.888	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
19500.000	90.000	179.657	11363.997	42.161	0.000	61.695	-0.000	42.161	0.000	0.000	61.727	42.279	-2.857	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
19600.000	90.000	179.657	11363.997	42.569	0.000	62.138	-0.000	42.569	0.000	0.000	62.170	42.333	-2.827	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
19700.000	90.000	179.657	11363.997	42.978	0.000	62.584	-0.000	42.978	0.000	0.000	62.615	42.388	-2.797	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
19800.000	90.000	179.657	11363.997	43.388	0.000	63.032	-0.000	43.388	0.000	0.000	63.062	42.444	-2.768	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22

19900.000	90.000	179.657	11363.997	43.799	0.000	63.481	-0.000	43.799	0.000	0.000	63.512	42.500	-2.740	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
20000.000	90.000	179.657	11363.997	44.210	0.000	63.933	-0.000	44.210	0.000	0.000	63.964	42.556	-2.712	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
20100.000	90.000	179.657	11363.997	44.623	0.000	64.387	-0.000	44.623	0.000	0.000	64.418	42.614	-2.685	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
20200.000	90.000	179.657	11363.997	45.036	0.000	64.843	-0.000	45.036	0.000	0.000	64.874	42.671	-2.659	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
20300.000	90.000	179.657	11363.997	45.450	0.000	65.302	-0.000	45.450	0.000	0.000	65.331	42.730	-2.633	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
20400.000	90.000	179.657	11363.997	45.865	0.000	65.762	-0.000	45.865	0.000	0.000	65.791	42.789	-2.608	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
20500.000	90.000	179.657	11363.997	46.280	0.000	66.223	-0.000	46.280	0.000	0.000	66.253	42.848	-2.583	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
20600.000	90.000	179.657	11363.997	46.697	0.000	66.687	-0.000	46.697	0.000	0.000	66.716	42.908	-2.559	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
20700.000	90.000	179.657	11363.997	47.114	0.000	67.153	-0.000	47.114	0.000	0.000	67.182	42.968	-2.535	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
20800.000	90.000	179.657	11363.997	47.531	0.000	67.620	-0.000	47.531	0.000	0.000	67.649	43.029	-2.512	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
20900.000	90.000	179.657	11363.997	47.950	0.000	68.089	-0.000	47.950	0.000	0.000	68.118	43.091	-2.489	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
21000.000	90.000	179.657	11363.997	48.369	0.000	68.560	-0.000	48.369	0.000	0.000	68.589	43.153	-2.467	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
21100.000	90.000	179.657	11363.997	48.788	0.000	69.033	-0.000	48.788	0.000	0.000	69.061	43.216	-2.445	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
21200.000	90.000	179.657	11363.997	49.208	0.000	69.507	-0.000	49.208	0.000	0.000	69.535	43.279	-2.424	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
21300.000	90.000	179.657	11363.997	49.629	0.000	69.983	-0.000	49.629	0.000	0.000	70.011	43.343	-2.403	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
21400.000	90.000	179.657	11363.997	50.051	0.000	70.460	-0.000	50.051	0.000	0.000	70.488	43.407	-2.383	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
21500.000	90.000	179.657	11363.997	50.473	0.000	70.939	-0.000	50.473	0.000	0.000	70.966	43.472	-2.363	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
21600.000	90.000	179.657	11363.997	50.895	0.000	71.419	-0.000	50.895	0.000	0.000	71.447	43.537	-2.343	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
21700.000	90.000	179.657	11363.997	51.318	0.000	71.901	-0.000	51.318	0.000	0.000	71.928	43.603	-2.324	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
21800.000	90.000	179.657	11363.997	51.742	0.000	72.385	-0.000	51.742	0.000	0.000	72.412	43.669	-2.305	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
21900.000	90.000	179.657	11363.997	52.166	0.000	72.869	-0.000	52.166	0.000	0.000	72.896	43.736	-2.286	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
22000.000	90.000	179.657	11363.997	52.591	0.000	73.356	-0.000	52.591	0.000	0.000	73.382	43.804	-2.268	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
22100.000	90.000	179.657	11363.997	53.016	0.000	73.843	-0.000	53.016	0.000	0.000	73.870	43.872	-2.250	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
22200.000	90.000	179.657	11363.997	53.441	0.000	74.332	-0.000	53.441	0.000	0.000	74.358	43.940	-2.232	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
22300.000	90.000	179.657	11363.997	53.867	0.000	74.822	-0.000	53.867	0.000	0.000	74.848	44.009	-2.215	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
22400.000	90.000	179.657	11363.997	54.294	0.000	75.314	-0.000	54.294	0.000	0.000	75.340	44.079	-2.198	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
22500.000	90.000	179.657	11363.997	54.721	0.000	75.806	-0.000	54.721	0.000	0.000	75.832	44.149	-2.182	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
22600.000	90.000	179.657	11363.997	55.148	0.000	76.300	-0.000	55.148	0.000	0.000	76.326	44.219	-2.165	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
22700.000	90.000	179.657	11363.997	55.576	0.000	76.796	-0.000	55.576	0.000	0.000	76.821	44.290	-2.149	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
22800.000	90.000	179.657	11363.997	56.005	0.000	77.292	-0.000	56.005	0.000	0.000	77.317	44.361	-2.133	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
22900.000	90.000	179.657	11363.997	56.433	0.000	77.790	-0.000	56.433	0.000	0.000	77.815	44.433	-2.118	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
23000.000	90.000	179.657	11363.997	56.862	0.000	78.289	-0.000	56.862	0.000	0.000	78.314	44.506	-2.103	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
23100.000	90.000	179.657	11363.997	57.292	0.000	78.788	-0.000	57.292	0.000	0.000	78.813	44.579	-2.088	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
23200.000	90.000	179.657	11363.997	57.722	0.000	79.289	-0.000	57.722	0.000	0.000	79.314	44.652	-2.073	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22

23300.000	90.000	179.657	11363.997	58.152	0.000	79.791	-0.000	58.152	0.000	0.000	79.816	44.726	-2.059	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
23400.000	90.000	179.657	11363.997	58.583	0.000	80.295	-0.000	58.583	0.000	0.000	80.319	44.800	-2.044	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
23500.000	90.000	179.657	11363.997	59.013	0.000	80.799	-0.000	59.013	0.000	0.000	80.823	44.875	-2.030	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
23600.000	90.000	179.657	11363.997	59.445	0.000	81.304	-0.000	59.445	0.000	0.000	81.328	44.951	-2.017	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
23700.000	90.000	179.657	11363.997	59.876	0.000	81.810	-0.000	59.876	0.000	0.000	81.834	45.027	-2.003	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
23800.000	90.000	179.657	11363.997	60.308	0.000	82.317	-0.000	60.308	0.000	0.000	82.341	45.103	-1.990	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
23900.000	90.000	179.657	11363.997	60.741	0.000	82.826	-0.000	60.741	0.000	0.000	82.849	45.180	-1.977	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
24000.000	90.000	179.657	11363.997	61.173	0.000	83.335	-0.000	61.173	0.000	0.000	83.358	45.257	-1.964	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
24066.356	90.000	179.657	11363.997	61.461	0.000	83.673	-0.000	61.461	0.000	0.000	83.696	45.308	-1.955	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
24100.000	90.000	179.657	11363.997	61.606	0.000	83.844	-0.000	61.606	0.000	0.000	83.867	45.335	-1.951	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
24156.478	90.000	179.657	11363.997	61.851	0.000	84.132	-0.000	61.851	0.000	0.000	84.155	45.379	-1.944	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22

Plan Targets Poker Lake Unit 22 DTD South 155H

Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
FTP 8	11500.94	440499.80	645071.10	7919.00	RECTANGLE
SHL 14	11852.90	440181.75	644621.58	7839.84	RECTANGLE
LTP 8	24066.50	427522.40	645148.70	7919.00	RECTANGLE
BHL 8	24156.47	427432.40	645149.50	7919.00	RECTANGLE


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

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

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

Background

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

Supporting Documentation

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

Figure 1: Winch System attached to BOP Stack

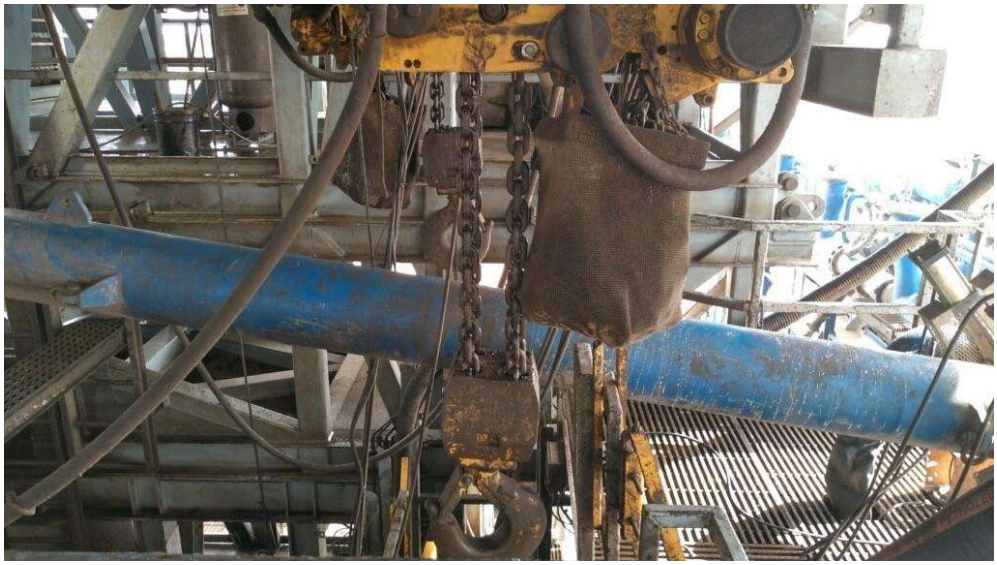


Figure 2: BOP Winch System

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

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

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

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

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

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

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

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

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

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

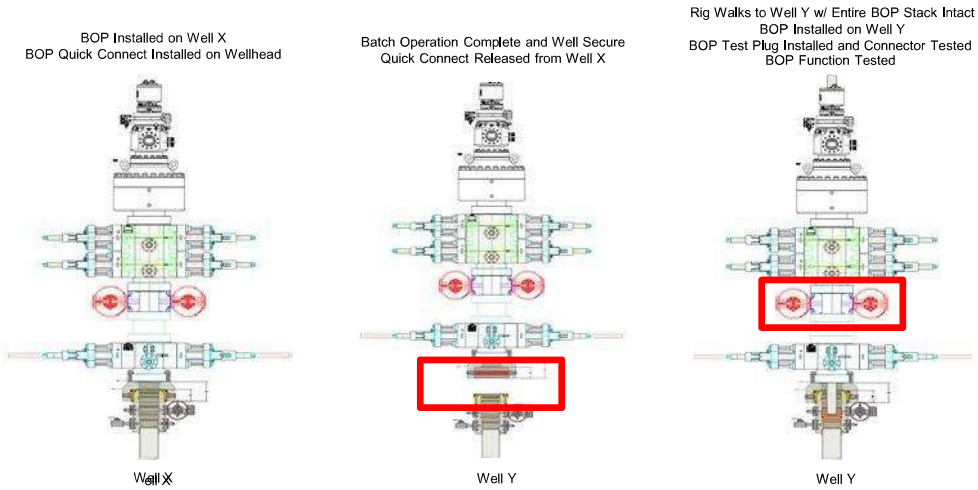
XTO Energy feels break testing and our current procedures meet the intent of CFR Title 43 Part 317 0and often exceed it. There has been no evidence that break testing results in more components failing than seen on full BOP tests. XTO Energy's internal standards requires complete BOPE tests more often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

Procedures

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

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

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



Summary

A variance is requested to **ONLY** test broken pressure seals on the BOP equipment when moving from wellhead to wellhead which is in compliance with API Standard 53. API Standard 53 states, that for pad drilling operation, moving from one wellhead to another within 21 days, pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken.

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

Based on discussions with the BLM on February 27th 2020 and the supporting documentation submitted to the BLM, we will request permission to ONLY retest broken pressure seals if the following conditions are met:

1. After a full BOP test is conducted on the first well on the pad.

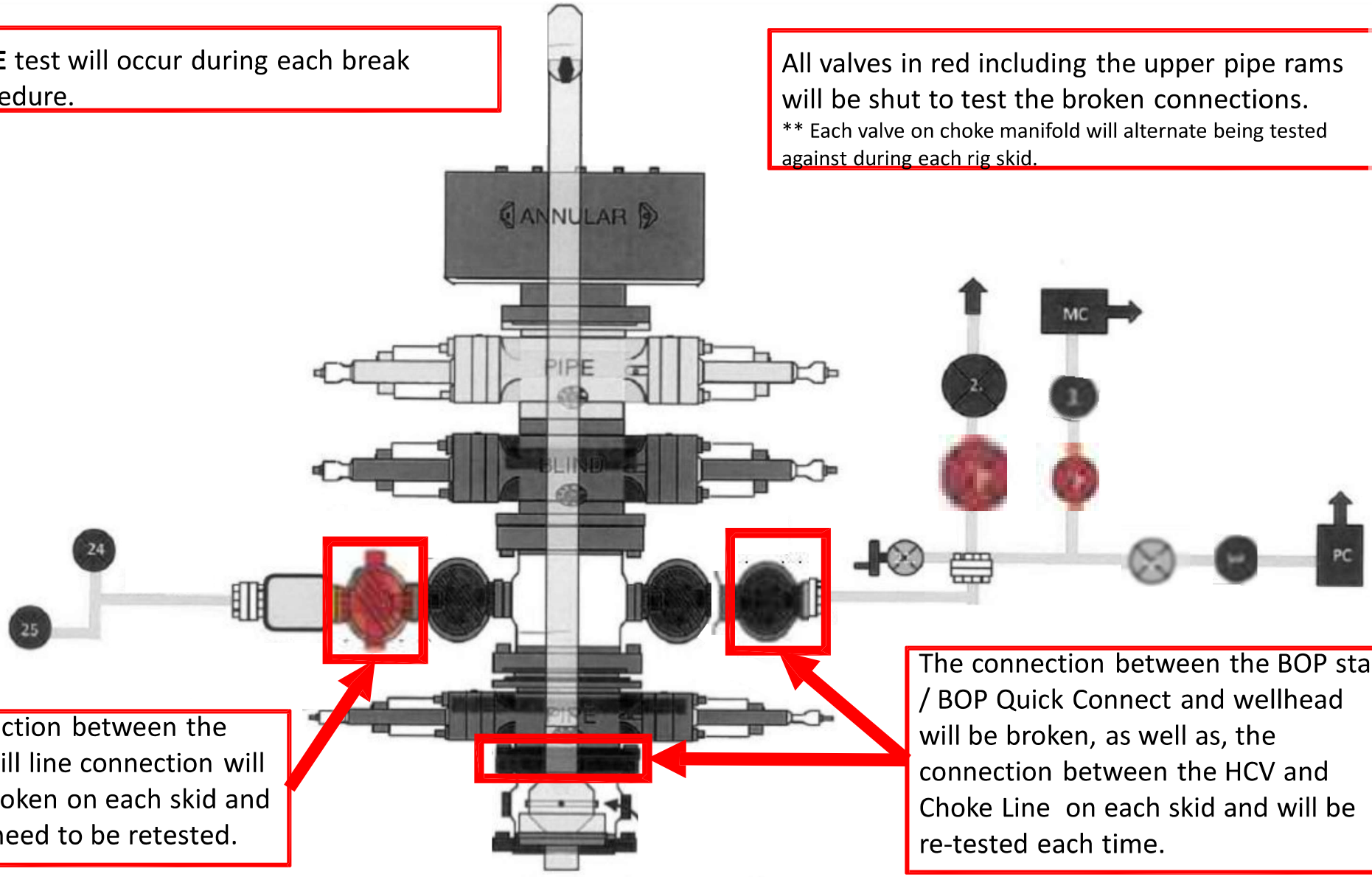
2. The first intermediate hole section drilled on the pad will be the deepest. All of the remaining hole sections will be the same depth or shallower.

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

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

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

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



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

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

10,000 PSI Annular BOP Variance Request

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

1. Component and Preventer Compatibility Tables

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

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

2. Well Control Procedures

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

General Procedure While Drilling

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

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

General Procedure While Tripping

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

General Procedure While Running Production Casing

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

General Procedure With No Pipe In Hole (Open Hole)

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

General Procedures While Pulling BHA Through Stack

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

h. Regroup and identify forward plan

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

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

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

CONDITIONS

Operator:	OGRID:
XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	373075
	Action Number: 400519
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Cement is required to circulate on both surface and intermediate1 strings of casing.	11/15/2024
ward.rikala	If cement is not circulated to surface during cementing operations, a Cement Bond Log (CBL) is required.	11/15/2024
ward.rikala	Any previous COA's not addressed within the updated COA's still apply.	11/15/2024