

Lease Number: NMLC070707A

Unit or CA Name: POKER LAKE UNIT

Unit or CA Number:
NMNM71016X

US Well Number: 3001553898

Operator: XTO PERMIAN OPERATING
LLC

Notice of Intent

Sundry ID: 2784411

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 04/10/2024

Time Sundry Submitted: 03:17

Date proposed operation will begin: 04/30/2024

Procedure Description: XTO Permian Operating, LLC. respectfully requests approval to make the following changes to the approved APD. Changes to include SHL, FTP, LTP, BHL, casing sizes, cement, and proposed total depth. FROM: TO: SHL: 465' FSL & 426' FWL of Section 22-T25S-R31E 485' FSL & 426' FWL of Section 22-T25S-R31E FTP: 950' FSL & 220' FWL of Section 22-T25S-R31E 1223' FSL & 1' FWL of Section 22-T25S-R31E LTP: 2490' FNL & 220' FWL of Section 3-T26S-R31E 2540' FNL & 660' FWL of Section 3-T26S-R31E BHL: 2540' FNL & 220' FWL of Section 3-T26S-R31E 2590' FNL & 660' FWL of Section 3-T26S-R31E PPP1: 0' FNL & 1' FEL PPP2: 1324 FNL & 2' FWL PPP3: 2647' FNL & 6' FWL PPP4: 1326' FSL & 659' FWL P1: 1650' FNL & 1' FWL P2: 1980' FSL & 660' FWL Proposed total depth will change from 26148' MD; 11673' TVD (Wolfcamp) to 25601' MD; TVD 10298' (Bone Spring 2 Sand). A saturated salt brine will be utilized while drilling through the salt formations. See attached Drilling Plan for updated cement and casing program. Attachments: C-102, Drilling Plan, Directional Drilling Plan, MBS, BOP Variance, Well Control Plan

NOI Attachments

Procedure Description

Poker_Lake_Unit_22_3_BS_121H_Sundry_Documents_20241206091357.pdf

US Well Number: 3001553898

Operator: XTO PERMIAN OPERATING
LLC

Conditions of Approval

Additional

Poker_Lake_Unit_22_3_BS_121H_COA_20241206094221.pdf

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: TERRA SEBASTIAN

Signed on: DEC 06, 2024 09:14 AM

Name: XTO PERMIAN OPERATING LLC

Title: Regulatory Advisor

Street Address: 6401 HOLIDAY HILL ROAD SUITE 200

City: MIDLAND

State: TX

Phone: (432) 999-3107

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

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752342234

BLM POC Email Address: cwalls@blm.gov

Disposition: Approved

Disposition Date: 12/13/2024

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.

5. Lease Serial No. **NMLC070707A**
6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

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

2. Name of Operator **XTO PERMIAN OPERATING LLC**

3a. Address **6401 HOLIDAY HILL ROAD BLDG 5, MIDLAND,** 3b. Phone No. (include area code) **(432) 683-2277**

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

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

8. Well Name and No.
POKER LAKE UNIT 22-3 BS/121H

9. API Well No. **3001553898**

10. Field and Pool or Exploratory Area
COTTON DRAW/PURPLE SAGE WOLFCAMP (98220)

11. Country or Parish, State
EDDY/NM

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

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

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

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

FROM: TO:
SHL: 465' FSL & 426' FWL of Section 22-T25S-R31E 485' FSL & 426' FWL of Section 22-T25S-R31E
FTP: 950' FSL & 220' FWL of Section 22-T25S-R31E 1223' FSL & 1' FWL of Section 22-T25S-R31E
LTP: 2490' FNL & 220' FWL of Section 3-T26S-R31E 2540' FNL & 660' FWL of Section 3-T26S-R31E
BHL: 2540' FNL & 220' FWL of Section 3-T26S-R31E 2590' FNL & 660' FWL of Section 3-T26S-R31E

PPP1: 0 FNL & 1 FEL
PPP2: 1324 FNL & 2 FWL
PPP3: 2647 FNL & 6 FWL
Continued on page 3 additional information

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

Regulatory Advisor
Title

(Electronic Submission)
Signature

Date **12/06/2024**

THE SPACE FOR FEDERAL OR STATE OFFICE USE

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

Petroleum Engineer
Title

Date **12/13/2024**

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 of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Additional Remarks

PPP4: 1326 FSL & 659 FWL

P1: 1650 FNL & 1 FWL

P2: 1980 FSL & 660 FWL

Proposed total depth will change from 26148 MD; 11673 TVD (Wolfcamp) to 25601 MD; TVD 10298 (Bone Spring 2 Sand).

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

See attached Drilling Plan for updated cement and casing program.

Attachments: C-102, Drilling Plan, Directional Drilling Plan, MBS, BOP Variance, Well Control Plan

Location of Well

0. SHL: SWSW / 465 FSL / 426 FWL / TWSP: 25S / RANGE: 31E / SECTION: 22 / LAT: 32.109827 / LONG: -103.773093 (TVD: 0 feet, MD: 0 feet)

PPP: SWSW / 950 FSL / 220 FWL / TWSP: 25S / RANGE: 31E / SECTION: 34 / LAT: 32.084897 / LONG: -103.772458 (TVD: 11673 feet, MD: 22400 feet)

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

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

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

PPP: NWNW / 950 FSL / 220 FWL / TWSP: 25S / RANGE: 31E / SECTION: 34 / LAT: 32.088537 / LONG: -103.772457 (TVD: 11673 feet, MD: 18400 feet)

PPP: SWSW / 950 FSL / 220 FWL / TWSP: 25S / RANGE: 31E / SECTION: 22 / LAT: 32.111161 / LONG: -103.77117 (TVD: 11673 feet, MD: 12079 feet)

BHL: SWNW / 2540 FNL / 220 FWL / TWSP: 26S / RANGE: 31E / SECTION: 3 / LAT: 32.072445 / LONG: -103.773911 (TVD: 11673 feet, MD: 26148 feet)

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO
LEASE NO.:	NMLC070707A
LOCATION:	Sec. 22, T.25 S, R 31 E
COUNTY:	Eddy County, New Mexico ▼
WELL NAME & NO.:	Poker Lake Unit 22-3 BS 121H
SURFACE HOLE FOOTAGE:	485'/S & 426'/W
BOTTOM HOLE FOOTAGE:	2590'/N & 660'/W

Changes approved through engineering via **Sundry 2784411** on 10-25-2024. Any previous COAs not addressed within the updated COAs still apply.

COA

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

A. HYDROGEN SULFIDE

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

B. CASING

1. The **9-5/8** inch surface casing shall be set at approximately **980** feet (a minimum of **70 feet** (Eddy County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping

- cement and ideally between 8-10 hours after completing the cement job.
- b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or **500 pounds compressive strength**, whichever is greater. (This is to include the lead cement)
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.

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

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

- a. **First stage:** Operator will cement with intent to reach the top of the **Brushy Canyon at 6772'**
 - b. **Second stage:** Operator will perform bradenhead squeeze and top-out. Cement to surface. If cement does not reach surface, the appropriate BLM office shall be notified. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst.**
- ❖ In High Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

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

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

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

C. PRESSURE CONTROL

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

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

D. SPECIAL REQUIREMENT (S)

Unit Wells

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

Commercial Well Determination

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

BOPE Break Testing Variance

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

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

Offline Cementing

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

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

Casing Clearance

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

GENERAL REQUIREMENTS

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

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

Contact Eddy County Petroleum Engineering Inspection Staff:

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

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

A. CASING

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

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

B. PRESSURE CONTROL

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

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

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

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

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

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

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

Approved by Zota Stevens on 10/25/2024
575-234-5998 / zstevens@blm.gov

WELL LOCATION INFORMATION

API Number 30-015-53898	Pool Code 96641	Pool Name PADUCA; BONE SPRING
Property Code 373075	Property Name POKER LAKE UNIT 22-3 BS	Well Number 121H
ORGID No. 373075	Operator Name XTO PERMIAN OPERATING, LLC.	Ground Level Elevation 3,341'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal		Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL M	Section 22	Township 25 S	Range 31 E	Lot	Ft. from N/S 485' FSL	Ft. from E/W 426' FWL	Latitude 32.109882	Longitude -103.773093	County EDDY
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Bottom Hole Location

UL E	Section 3	Township 26 S	Range 31 E	Lot	Ft. from N/S 2,614' FNL	Ft. from E/W 660' FWL	Latitude 32.072245	Longitude -103.772491	County EDDY
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Dedicated Acres 40	Infill or Defining Well DEFINING	Defining Well API	Overlapping Spacing Unit (Y/N) N	Consolidation Code U
Order Numbers.			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL M	Section 22	Township 25 S	Range 31 E	Lot	Ft. from N/S 485' FSL	Ft. from E/W 426' FWL	Latitude 32.109882	Longitude -103.773093	County EDDY
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First Take Point (FTP)

UL M	Section 22	Township 25 S	Range 31 E	Lot	Ft. from N/S 1,223' FSL	Ft. from E/W 10' FWL	Latitude 32.111911	Longitude -103.774429	County EDDY
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Last Take Point (LTP)

UL E	Section 3	Township 26 S	Range 31 E	Lot	Ft. from N/S 2,564' FNL	Ft. from E/W 660' FWL	Latitude 32.072382	Longitude -103.772491	County EDDY
---------	--------------	------------------	---------------	-----	----------------------------	--------------------------	-----------------------	--------------------------	----------------

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

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

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

Terra Sebastian

12/6/2024

Signature

Date

Terra Sebastian

Printed Name

terra.b.sebastian@exxonmobil.com

Email Address

SURVEYOR CERTIFICATIONS

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

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

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



Signature and Seal of Professional Surveyor

Certificate Number

TIM C. PAPPAS 21209

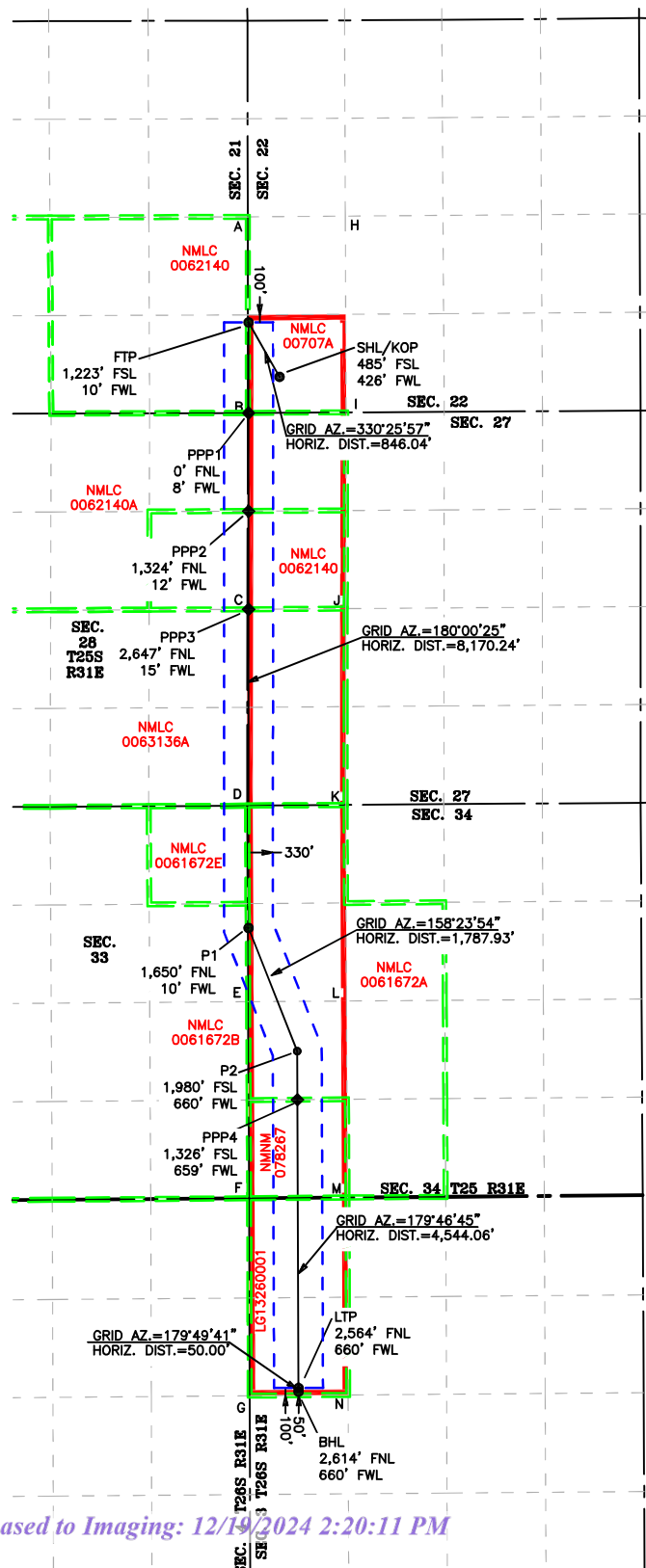
Date of Survey

11/19/2024

Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

LEGEND

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



COORDINATE TABLE					
SHL/KOP (NAD 83 NME)			FTP (NAD 83 NME)		
Y =	404,162.2	N	Y =	404,898.1	N
X =	714,799.2	E	X =	714,381.7	E
LAT. =	32.109882	°N	LAT. =	32.111911	°N
LONG. =	103.773093	°W	LONG. =	103.774429	°W
LTP (NAD 83 NME)			BHL (NAD 83 NME)		
Y =	390,521.5	N	Y =	390,471.5	N
X =	715,056.4	E	X =	715,056.6	E
LAT. =	32.072382	°N	LAT. =	32.072245	°N
LONG. =	103.772491	°W	LONG. =	103.772491	°W
P1 (NAD 83 NME)			P2 (NAD 83 NME)		
Y =	396,727.8	N	Y =	395,065.5	N
X =	714,380.7	E	X =	715,038.9	E
LAT. =	32.089452	°N	LAT. =	32.084873	°N
LONG. =	103.774569	°W	LONG. =	103.772471	°W
SHL/KOP (NAD 27 NME)			FTP (NAD 27 NME)		
Y =	404,104.3	N	Y =	404,840.1	N
X =	673,613.5	E	X =	673,196.1	E
LAT. =	32.109758	°N	LAT. =	32.111786	°N
LONG. =	103.772615	°W	LONG. =	103.773951	°W
LTP (NAD 27 NME)			BHL (NAD 27 NME)		
Y =	390,463.9	N	Y =	390,413.9	N
X =	673,870.2	E	X =	673,870.4	E
LAT. =	32.072258	°N	LAT. =	32.072120	°N
LONG. =	103.772015	°W	LONG. =	103.772015	°W
P1 (NAD 27 NME)			P2 (NAD 27 NME)		
Y =	396,670.1	N	Y =	395,007.8	N
X =	673,194.8	E	X =	673,852.9	E
LAT. =	32.089327	°N	LAT. =	32.084749	°N
LONG. =	103.774092	°W	LONG. =	103.771995	°W
PPP #1 (NAD 83 NME)			PPP #1 (NAD 27 NME)		
Y =	403,674.7	N	Y =	403,616.8	N
X =	714,381.5	E	X =	673,195.8	E
LAT. =	32.108548	°N	LAT. =	32.108423	°N
LONG. =	103.774450	°W	LONG. =	103.773972	°W
PPP #2 (NAD 83 NME)			PPP #2 (NAD 27 NME)		
Y =	402,351.0	N	Y =	402,293.1	N
X =	714,381.4	E	X =	673,195.7	E
LAT. =	32.104909	°N	LAT. =	32.104785	°N
LONG. =	103.774472	°W	LONG. =	103.773995	°W
PPP #3 (NAD 83 NME)			PPP #3 (NAD 27 NME)		
Y =	401,027.2	N	Y =	400,969.3	N
X =	714,381.2	E	X =	673,195.4	E
LAT. =	32.101270	°N	LAT. =	32.101146	°N
LONG. =	103.774495	°W	LONG. =	103.774018	°W
PPP #4 (NAD 83 NME)			PPP #4 (NAD 27 NME)		
Y =	394,411.2	N	Y =	394,353.5	N
X =	715,041.4	E	X =	673,855.4	E
LAT. =	32.083075	°N	LAT. =	32.082950	°N
LONG. =	103.772474	°W	LONG. =	103.771998	°W

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

CORNER COORDINATES (NAD27 NME)					
A - Y =	406,263.4	N	A - X =	673,185.0	E
B - Y =	403,616.7	N	B - X =	673,187.8	E
C - Y =	400,969.3	N	C - X =	673,180.0	E
D - Y =	398,320.0	N	D - X =	673,176.7	E
E - Y =	395,674.7	N	E - X =	673,189.6	E
F - Y =	393,022.8	N	F - X =	673,202.7	E
G - Y =	390,358.7	N	G - X =	673,210.6	E
H - Y =	406,273.2	N	H - X =	674,503.2	E
I - Y =	403,624.6	N	I - X =	674,513.4	E
J - Y =	400,978.6	N	J - X =	674,508.1	E
K - Y =	398,330.0	N	K - X =	674,505.0	E
L - Y =	395,683.7	N	L - X =	674,518.0	E
M - Y =	393,032.9	N	M - X =	674,531.1	E
N - Y =	390,369.4	N	N - X =	674,540.5	E

WELL LOCATION INFORMATION

API Number 30-015-53898	Pool Code 97860	Pool Name JENNINGS; BONE SPRING, WEST
Property Code 373075	Property Name POKER LAKE UNIT 22-3 BS	Well Number 121H
ORGID No. 373075	Operator Name XTO PERMIAN OPERATING, LLC.	Ground Level Elevation 3,341'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal		Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL M	Section 22	Township 25 S	Range 31 E	Lot	Ft. from N/S 485' FSL	Ft. from E/W 426' FWL	Latitude 32.109882	Longitude -103.773093	County EDDY
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Bottom Hole Location

UL E	Section 3	Township 26 S	Range 31 E	Lot	Ft. from N/S 2,614' FNL	Ft. from E/W 660' FWL	Latitude 32.072245	Longitude -103.772491	County EDDY
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Dedicated Acres 400	Infill or Defining Well DEFINING	Defining Well API	Overlapping Spacing Unit (Y/N) N	Consolidation Code U
Order Numbers.			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

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UL M	Section 22	Township 25 S	Range 31 E	Lot	Ft. from N/S 1,223' FSL	Ft. from E/W 10' FWL	Latitude 32.111911	Longitude -103.774429	County EDDY
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Last Take Point (LTP)

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

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Terra Sebastian

12/6/2024

Signature

Date

Terra Sebastian

Printed Name

terra.b.sebastian@exxonmobil.com

Email Address

SURVEYOR CERTIFICATIONS

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

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

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



Signature and Seal of Professional Surveyor

Certificate Number

TIM C. PAPPAS 21209

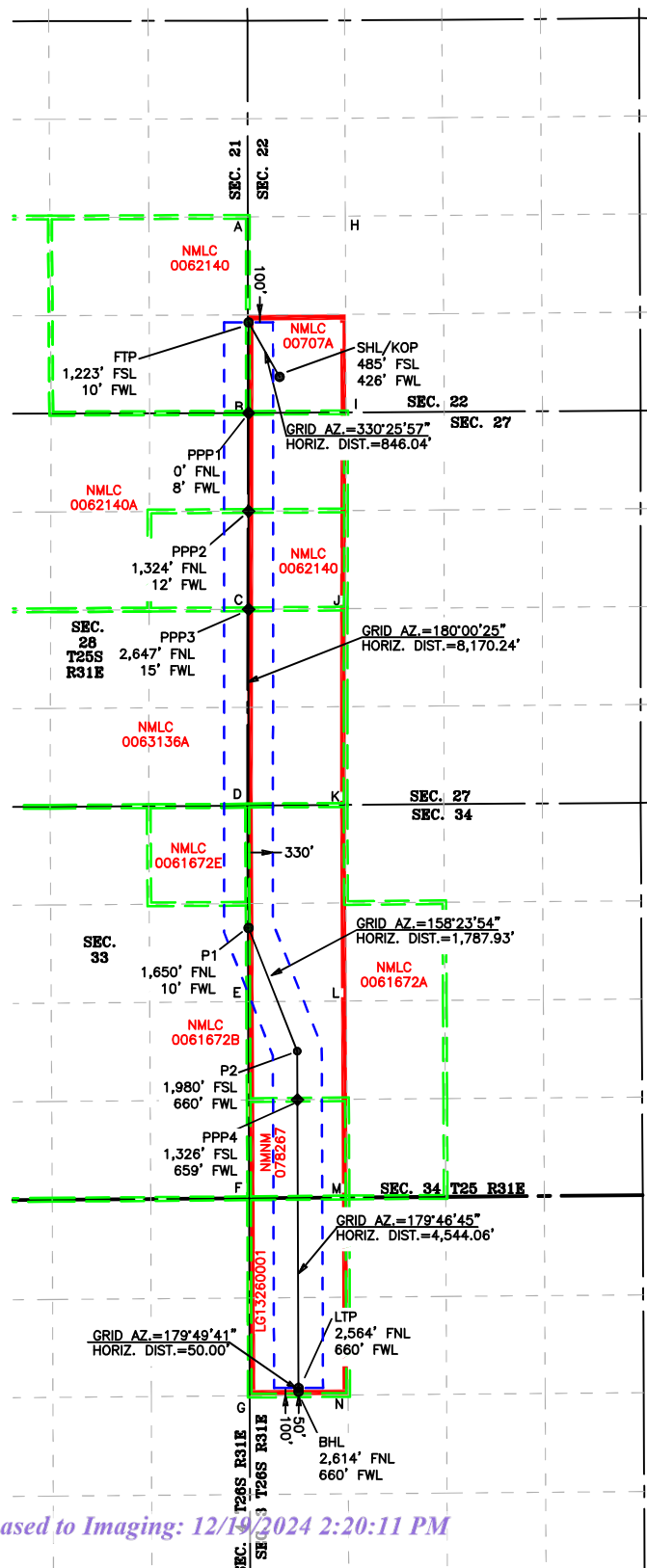
Date of Survey

11/19/2024

Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

LEGEND

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



COORDINATE TABLE					
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X =	714,799.2	E	X =	714,381.7	E
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X =	714,380.7	E	X =	715,038.9	E
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LAT. =	32.109758	°N	LAT. =	32.111786	°N
LONG. =	103.772615	°W	LONG. =	103.773951	°W
LTP (NAD 27 NME)			BHL (NAD 27 NME)		
Y =	390,463.9	N	Y =	390,413.9	N
X =	673,870.2	E	X =	673,870.4	E
LAT. =	32.072258	°N	LAT. =	32.072120	°N
LONG. =	103.772015	°W	LONG. =	103.772015	°W
P1 (NAD 27 NME)			P2 (NAD 27 NME)		
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X =	673,194.8	E	X =	673,852.9	E
LAT. =	32.089327	°N	LAT. =	32.084749	°N
LONG. =	103.774092	°W	LONG. =	103.771995	°W
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X =	714,381.5	E	X =	673,195.8	E
LAT. =	32.108548	°N	LAT. =	32.108423	°N
LONG. =	103.774450	°W	LONG. =	103.773972	°W
PPP #2 (NAD 83 NME)			PPP #2 (NAD 27 NME)		
Y =	402,351.0	N	Y =	402,293.1	N
X =	714,381.4	E	X =	673,195.7	E
LAT. =	32.104909	°N	LAT. =	32.104785	°N
LONG. =	103.774472	°W	LONG. =	103.773995	°W
PPP #3 (NAD 83 NME)			PPP #3 (NAD 27 NME)		
Y =	401,027.2	N	Y =	400,969.3	N
X =	714,381.2	E	X =	673,195.4	E
LAT. =	32.101270	°N	LAT. =	32.101146	°N
LONG. =	103.774495	°W	LONG. =	103.774018	°W
PPP #4 (NAD 83 NME)			PPP #4 (NAD 27 NME)		
Y =	394,411.2	N	Y =	394,353.5	N
X =	715,041.4	E	X =	673,855.4	E
LAT. =	32.083075	°N	LAT. =	32.082950	°N
LONG. =	103.772474	°W	LONG. =	103.771998	°W

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

CORNER COORDINATES (NAD27 NME)					
A - Y =	406,263.4	N	A - X =	673,185.0	E
B - Y =	403,616.7	N	B - X =	673,187.8	E
C - Y =	400,969.3	N	C - X =	673,180.0	E
D - Y =	398,320.0	N	D - X =	673,176.7	E
E - Y =	395,674.7	N	E - X =	673,189.6	E
F - Y =	393,022.8	N	F - X =	673,202.7	E
G - Y =	390,358.7	N	G - X =	673,210.6	E
H - Y =	406,273.2	N	H - X =	674,503.2	E
I - Y =	403,624.6	N	I - X =	674,513.4	E
J - Y =	400,978.6	N	J - X =	674,508.1	E
K - Y =	398,330.0	N	K - X =	674,505.0	E
L - Y =	395,683.7	N	L - X =	674,518.0	E
M - Y =	393,032.9	N	M - X =	674,531.1	E
N - Y =	390,369.4	N	N - X =	674,540.5	E

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

XTO Energy Inc.
POKER LAKE UNIT 22-3 BS 121H
Projected TD: 25601' MD / 10298' TVD
SHL: 485' FSL & 426' FWL , Section 22, T25S, R31E
BHL: 2590' FNL & 660' FWL , Section 3, T26S, R31E
EDDY County, NM

1. Geologic Name of Surface Formation

A. Quaternary

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

Formation	Well Depth (TVD)	Water/Oil/Gas
Rustler	880'	Water
Top of Salt	1196'	Water
Base of Salt	4066'	Water
Delaware	4281'	Water
Brushy Canyon	6772'	Water/Oil/Gas
Bone Spring	8246'	Water
Avalon	8364'	Water/Oil/Gas
1st Bone Spring	9086'	Water/Oil/Gas
2nd Bone Spring	9645'	Water/Oil/Gas
Target/Land Curve	10298'	Water/Oil/Gas

*** Hydrocarbons @ Brushy Canyon

*** Groundwater depth 40' (per NM State Engineers Office).

No other formations are expected to yield oil, gas or fresh water in measurable volumes. The surface fresh water sands will be protected by setting 9.625 inch casing @ 980' (216' above the salt) and circulating cement back to surface. The intermediate will isolate from the top of salt down to the next casing seat by setting 7.625 inch casing at 9605' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 25601 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 9305 feet).

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0' – 980'	9.625	40	J-55	BTC	New	1.50	6.42	16.07
8.75	0' – 4000'	7.625	29.7	RY P-110	Flush Joint	New	2.82	2.71	1.96
8.75	4000' – 9605'	7.625	29.7	HC L-80	Flush Joint	New	2.05	2.16	2.44
6.75	0' – 9505'	5.5	20	RY P-110	Semi-Premium	New	1.26	2.14	2.00
6.75	9505' - 25601'	5.5	20	RY P-110	Semi-Flush	New	1.26	1.97	2.00

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

· 7.625 Collapse analyzed using 50% evacuation based on regional experience.

· 5.5 Tension calculated using vertical hanging weight plus the lateral weight multiplied by a friction factor of 0.35

Wellhead:

Permanent Wellhead – Multibowl System

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

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

flange

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

4. Cement Program

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

Lead: 220 sxs EconoCem-HLTRRC (mixed at 10.5 ppg, 1.87 ft3/sx, 10.13 gal/sx water)

Tail: 130 sxs Class C + 2% CaCl (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)

Top of Cement: Surface

Compressives: 12-hr = 900 psi 24 hr = 1500 psi

2nd Intermediate Casing: 7.625, 29.7 New casing to be set at +/- 9605'

1st Stage

Optional Lead: 360 sxs Class C (mixed at 10.5 ppg, 2.77 ft3/sx, 15.59 gal/sx water)

TOC: Surface

Tail: 260 sxs Class C (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)

TOC: Brushy Canyon @ 6772

Compressives: 12-hr = 900 psi 24 hr = 1150 psi

2nd Stage

Lead: 0 sxs Class C (mixed at 12.9 ppg, 2.16 ft3/sx, 9.61 gal/sx water)

Tail: 760 sxs Class C (mixed at 14.8 ppg, 1.33 ft3/sx, 6.39 gal/sx water)

Top of Cement: 0

Compressives: 12-hr = 900 psi 24 hr = 1150 psi

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

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

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

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

Production Casing: 5.5, 20 New Semi-Flush, RY P-110 casing to be set at +/- 25601'

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft3/sx, 15.00 gal/sx water) Top of Cement: 9305 feet

Tail: 1130 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft3/sx, 8.38 gal/sx water) Top of Cement: 9805 feet

Compressives: 12-hr = 800 psi 24 hr = 1500 psi

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

5. Pressure Control Equipment

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

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

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

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

hole on each of the wells.

6. Proposed Mud Circulation System

INTERVAL	Hole Size	Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)	Additional Comments
0' - 980'	12.25	FW/Native	8.7-9.2	35-40	NC	Fresh Water or Native Water
980'-4281'		Salt Saturated	10.5-11			Fully Saturated salt across salado / /salt
4281' - 9605'	8.75	BDE / OBM	9-9.5	30-32	NC	N/A
9605' - 25601'	6.75	OBM	11.5-12	50-60	NC - 20	N/A

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

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

7. Auxiliary Well Control and Monitoring Equipment

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

8. Logging, Coring and Testing Program

Open hole logging will not be done on this well.

9. Abnormal Pressures and Temperatures / Potential Hazards

None Anticipated. BHT of 170 to 190 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 5623 psi.

10. Anticipated Starting Date and Duration of Operations

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

Well Plan Report - PLU 22-3 BS 121H

Measured Depth:

25600.86 ft

TVD RKB:

10298.00 ft

Location

Cartographic Reference System:

New Mexico East - NAD 27

Northing:

404104.30 ft

Easting:

673613.50 ft

RKB:

3373.00 ft

Ground Level:

3341.00 ft

North Reference:

Grid

Convergence Angle:

0.30 Deg

Plan Sections

Measured		PLU 22-3 BS 121H				TVD		Build		Turn		Dogleg	
Depth	(ft)	Inclination	Azimuth			RKB	(ft)	Rate	(Deg/100ft)	Rate	(Deg/100ft)	Rate	(Deg/100ft)
	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1100.00	0.00	0.00			1100.00		0.00	0.00	0.00	0.00	0.00	0.00
	1992.28	17.85	343.64		132.26	1977.93		-38.83	0.00	0.00	0.00	2.00	0.00
	6030.74	17.85	343.64		1319.74	5822.07		-387.46	0.00	0.00	0.00	0.00	0.00
	6923.02	0.00	0.00		1452.00	6700.00		-426.29	-2.00	0.00	0.00	2.00	0.00
	9804.83	0.00	0.00		1452.00	9581.80		-426.29	0.00	0.00	0.00	0.00	0.00
	10929.83	90.00	180.01		735.80	10298.00		-426.40	8.00	0.00	0.00	8.00	FTP 121H
	18879.83	90.00	180.01		-7214.20	10298.00		-427.66	0.00	0.00	0.00	0.00	0.00
	20506.24	90.00	147.48		-8754.72	10298.00		21.50	-0.00	-2.00	0.00	2.00	0.00
	20911.58	90.00	147.48		-9096.50	10298.00		239.40	0.00	0.00	0.00	0.00	P2 121H
	22982.69	90.00	188.90		-11079.93	10298.00		654.05	0.00	2.00	0.00	2.00	0.00
	25550.10	90.00	188.90		-13616.40	10298.00		256.70	0.00	0.00	0.00	0.00	LTP 121H
	25600.86	90.00	188.90		-13666.55	10298.00		248.84	0.00	0.00	0.00	0.00	BHL 121H

Position Uncertainty															PLU 22-3 BS 121H														
Measured	Depth (ft)	Inclination (°)	Azimuth (°)	TVD			Highside			Lateral			Vertical			Magnitude			Semi-major		Semi-minor		Tool Used						
				RKB (ft)	Error (ft)	Bias (ft)	Error (ft)	Bias (ft)	Error (ft)	Bias (ft)	Error (ft)	Bias (ft)	Error (ft)	of Bias (ft)	Error (ft)	Error (ft)	Azimuth (°)												
	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	XOM_R2OWSG MWD+IFR1+MS							
	100.000	0.000	0.000	100.000	0.358	0.000	0.179	0.000	2.300	0.000	0.000	0.000	0.000	0.000	0.000	0.358	0.179	90.000	0.179	90.000	XOM_R2OWSG MWD+IFR1+MS								
	200.000	0.000	0.000	200.000	0.717	0.000	0.538	0.000	2.310	0.000	0.000	0.000	0.000	0.000	0.000	0.717	0.538	90.000	0.538	90.000	XOM_R2OWSG MWD+IFR1+MS								
	300.000	0.000	0.000	300.000	1.075	0.000	0.896	0.000	2.325	0.000	0.000	0.000	0.000	0.000	0.000	1.075	0.896	90.000	0.896	90.000	XOM_R2OWSG MWD+IFR1+MS								
	400.000	0.000	0.000	400.000	1.434	0.000	1.255	0.000	2.347	0.000	0.000	0.000	0.000	0.000	0.000	1.434	1.255	90.000	1.255	90.000	XOM_R2OWSG MWD+IFR1+MS								
	500.000	0.000	0.000	500.000	1.792	0.000	1.613	0.000	2.374	0.000	0.000	0.000	0.000	0.000	0.000	1.792	1.613	90.000	1.613	90.000	XOM_R2OWSG MWD+IFR1+MS								
	600.000	0.000	0.000	600.000	2.151	0.000	1.972	0.000	2.406	0.000	0.000	0.000	0.000	0.000	0.000	2.151	1.972	90.000	1.972	90.000	XOM_R2OWSG MWD+IFR1+MS								
	700.000	0.000	0.000	700.000	2.509	0.000	2.330	0.000	2.443	0.000	0.000	0.000	0.000	0.000	0.000	2.509	2.330	90.000	2.330	90.000	XOM_R2OWSG MWD+IFR1+MS								
	800.000	0.000	0.000	800.000	2.868	0.000	2.689	0.000	2.485	0.000	0.000	0.000	0.000	0.000	0.000	2.868	2.689	90.000	2.689	90.000	XOM_R2OWSG MWD+IFR1+MS								
	900.000	0.000	0.000	900.000	3.226	0.000	3.047	0.000	2.531	0.000	0.000	0.000	0.000	0.000	0.000	3.226	3.047	90.000	3.047	90.000	XOM_R2OWSG MWD+IFR1+MS								
	1000.000	0.000	0.000	1000.000	3.585	0.000	3.405	0.000	2.581	0.000	0.000	0.000	0.000	0.000	0.000	3.585	3.405	90.000	3.405	90.000	XOM_R2OWSG MWD+IFR1+MS								
	1100.000	0.000	0.000	1100.000	3.943	0.000	3.764	0.000	2.634	0.000	0.000	0.000	0.000	0.000	0.000	3.943	3.764	90.000	3.764	90.000	XOM_R2OWSG MWD+IFR1+MS								
	1200.000	2.000	343.639	1199.980	4.285	0.000	4.136	0.000	2.690	0.000	0.000	0.000	0.000	0.000	0.000	4.302	4.122	89.969	4.122	89.969	XOM_R2OWSG MWD+IFR1+MS								
	1300.000	4.000	343.639	1299.838	4.637	0.000	4.492	0.000	2.747	0.000	0.000	0.000	0.000	0.000	0.000	4.661	4.478	89.832	4.478	89.832	XOM_R2OWSG MWD+IFR1+MS								
	1400.000	6.000	343.639	1399.452	4.983	0.000	4.848	0.000	2.805	0.000	0.000	0.000	0.000	0.000	0.000	5.020	4.833	89.697	4.833	89.697	XOM_R2OWSG MWD+IFR1+MS								
	1500.000	8.000	343.639	1498.702	5.324	0.000	5.203	0.000	2.865	0.000	0.000	0.000	0.000	0.000	0.000	5.380	5.188	89.604	5.188	89.604	XOM_R2OWSG MWD+IFR1+MS								

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Well Plan Report														
1600.000	10.000	343.639	1597.465	5.661	0.000	5.559	0.000	2.925	0.000	0.000	5.740	5.543	89.586	XOM_R2OWSG MWD+IFR1+MS
1700.000	12.000	343.639	1695.623	5.993	0.000	5.915	0.000	2.988	0.000	0.000	6.100	5.899	89.671	XOM_R2OWSG MWD+IFR1+MS
1800.000	14.000	343.639	1793.055	6.321	0.000	6.273	0.000	3.054	0.000	0.000	6.461	6.256	89.885	XOM_R2OWSG MWD+IFR1+MS
1900.000	16.000	343.639	1889.643	6.646	0.000	6.633	0.000	3.125	0.000	0.000	6.823	6.615	90.263	XOM_R2OWSG MWD+IFR1+MS
1992.285	17.846	343.639	1977.928	6.944	0.000	6.967	0.000	3.193	0.000	0.000	7.158	6.949	90.759	XOM_R2OWSG MWD+IFR1+MS
2000.000	17.846	343.639	1985.272	6.972	0.000	6.995	0.000	3.193	0.000	0.000	7.189	6.977	90.576	XOM_R2OWSG MWD+IFR1+MS
2100.000	17.846	343.639	2080.460	7.349	0.000	7.363	0.000	3.291	0.000	0.000	7.548	7.342	91.848	XOM_R2OWSG MWD+IFR1+MS
2200.000	17.846	343.639	2175.649	7.730	0.000	7.733	0.000	3.393	0.000	0.000	7.912	7.711	93.138	XOM_R2OWSG MWD+IFR1+MS
2300.000	17.846	343.639	2270.837	8.114	0.000	8.107	0.000	3.501	0.000	0.000	8.279	8.082	94.441	XOM_R2OWSG MWD+IFR1+MS
2400.000	17.846	343.639	2366.026	8.502	0.000	8.484	0.000	3.612	0.000	0.000	8.650	8.457	95.752	XOM_R2OWSG MWD+IFR1+MS
2500.000	17.846	343.639	2461.214	8.893	0.000	8.863	0.000	3.728	0.000	0.000	9.023	8.833	97.063	XOM_R2OWSG MWD+IFR1+MS
2600.000	17.846	343.639	2556.403	9.287	0.000	9.245	0.000	3.847	0.000	0.000	9.399	9.211	98.369	XOM_R2OWSG MWD+IFR1+MS
2700.000	17.846	343.639	2651.591	9.682	0.000	9.628	0.000	3.969	0.000	0.000	9.778	9.592	99.664	XOM_R2OWSG MWD+IFR1+MS
2800.000	17.846	343.639	2746.780	10.079	0.000	10.013	0.000	4.095	0.000	0.000	10.159	9.973	100.942	XOM_R2OWSG MWD+IFR1+MS
2900.000	17.846	343.639	2841.968	10.478	0.000	10.399	0.000	4.223	0.000	0.000	10.541	10.356	102.199	XOM_R2OWSG MWD+IFR1+MS
3000.000	17.846	343.639	2937.157	10.879	0.000	10.786	0.000	4.355	0.000	0.000	10.925	10.741	103.429	XOM_R2OWSG MWD+IFR1+MS
3100.000	17.846	343.639	3032.345	11.281	0.000	11.175	0.000	4.488	0.000	0.000	11.311	11.126	104.628	XOM_R2OWSG MWD+IFR1+MS
3200.000	17.846	343.639	3127.534	11.684	0.000	11.565	0.000	4.624	0.000	0.000	11.697	11.512	105.793	XOM_R2OWSG MWD+IFR1+MS
3300.000	17.846	343.639	3222.723	12.088	0.000	11.956	0.000	4.763	0.000	0.000	12.086	11.899	106.921	XOM_R2OWSG MWD+IFR1+MS
3400.000	17.846	343.639	3317.911	12.494	0.000	12.347	0.000	4.903	0.000	0.000	12.475	12.287	108.010	XOM_R2OWSG MWD+IFR1+MS

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Well Plan Report														
3500.000	17.846	343.639	3413.100	12.900	0.000	12.740	0.000	5.046	0.000	0.000	12.865	12.676	109.058	XOM_R2OWSG MWD+IFR1+MS
3600.000	17.846	343.639	3508.288	13.307	0.000	13.133	0.000	5.190	0.000	0.000	13.256	13.065	110.064	XOM_R2OWSG MWD+IFR1+MS
3700.000	17.846	343.639	3603.477	13.715	0.000	13.527	0.000	5.336	0.000	0.000	13.648	13.455	111.027	XOM_R2OWSG MWD+IFR1+MS
3800.000	17.846	343.639	3698.665	14.123	0.000	13.921	0.000	5.484	0.000	0.000	14.041	13.845	111.948	XOM_R2OWSG MWD+IFR1+MS
3900.000	17.846	343.639	3793.854	14.532	0.000	14.316	0.000	5.634	0.000	0.000	14.435	14.236	112.827	XOM_R2OWSG MWD+IFR1+MS
4000.000	17.846	343.639	3889.042	14.941	0.000	14.711	0.000	5.785	0.000	0.000	14.829	14.628	113.665	XOM_R2OWSG MWD+IFR1+MS
4100.000	17.846	343.639	3984.231	15.352	0.000	15.107	0.000	5.938	0.000	0.000	15.224	15.020	114.461	XOM_R2OWSG MWD+IFR1+MS
4200.000	17.846	343.639	4079.419	15.762	0.000	15.503	0.000	6.093	0.000	0.000	15.619	15.412	115.219	XOM_R2OWSG MWD+IFR1+MS
4300.000	17.846	343.639	4174.608	16.173	0.000	15.900	0.000	6.249	0.000	0.000	16.015	15.804	115.938	XOM_R2OWSG MWD+IFR1+MS
4400.000	17.846	343.639	4269.796	16.585	0.000	16.297	0.000	6.407	0.000	0.000	16.411	16.197	116.620	XOM_R2OWSG MWD+IFR1+MS
4500.000	17.846	343.639	4364.985	16.996	0.000	16.695	0.000	6.566	0.000	0.000	16.808	16.590	117.266	XOM_R2OWSG MWD+IFR1+MS
4600.000	17.846	343.639	4460.173	17.408	0.000	17.092	0.000	6.727	0.000	0.000	17.206	16.984	117.879	XOM_R2OWSG MWD+IFR1+MS
4700.000	17.846	343.639	4555.362	17.821	0.000	17.490	0.000	6.889	0.000	0.000	17.603	17.378	118.458	XOM_R2OWSG MWD+IFR1+MS
4800.000	17.846	343.639	4650.550	18.234	0.000	17.889	0.000	7.053	0.000	0.000	18.001	17.772	119.007	XOM_R2OWSG MWD+IFR1+MS
4900.000	17.846	343.639	4745.739	18.647	0.000	18.287	0.000	7.218	0.000	0.000	18.400	18.167	119.526	XOM_R2OWSG MWD+IFR1+MS
5000.000	17.846	343.639	4840.927	19.060	0.000	18.686	0.000	7.385	0.000	0.000	18.798	18.561	120.016	XOM_R2OWSG MWD+IFR1+MS
5100.000	17.846	343.639	4936.116	19.474	0.000	19.085	0.000	7.553	0.000	0.000	19.197	18.956	120.479	XOM_R2OWSG MWD+IFR1+MS
5200.000	17.846	343.639	5031.305	19.888	0.000	19.484	0.000	7.722	0.000	0.000	19.597	19.351	120.917	XOM_R2OWSG MWD+IFR1+MS
5300.000	17.846	343.639	5126.493	20.302	0.000	19.883	0.000	7.893	0.000	0.000	19.996	19.747	121.330	XOM_R2OWSG MWD+IFR1+MS
5400.000	17.846	343.639	5221.682	20.716	0.000	20.283	0.000	8.066	0.000	0.000	20.396	20.142	121.720	XOM_R2OWSG MWD+IFR1+MS

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Well Plan Report														
5500.000	17.846	343.639	5316.870	21.130	0.000	20.683	0.000	8.240	0.000	0.000	20.796	20.538	122.088	XOM_R2OWSG MWD+IFR1+MS
5600.000	17.846	343.639	5412.059	21.545	0.000	21.083	0.000	8.416	0.000	0.000	21.196	20.934	122.434	XOM_R2OWSG MWD+IFR1+MS
5700.000	17.846	343.639	5507.247	21.960	0.000	21.483	0.000	8.593	0.000	0.000	21.597	21.330	122.760	XOM_R2OWSG MWD+IFR1+MS
5800.000	17.846	343.639	5602.436	22.375	0.000	21.883	0.000	8.771	0.000	0.000	21.997	21.726	123.068	XOM_R2OWSG MWD+IFR1+MS
5900.000	17.846	343.639	5697.624	22.790	0.000	22.284	0.000	8.951	0.000	0.000	22.398	22.123	123.357	XOM_R2OWSG MWD+IFR1+MS
6000.000	17.846	343.639	5792.813	23.205	0.000	22.684	0.000	9.133	0.000	0.000	22.799	22.520	123.628	XOM_R2OWSG MWD+IFR1+MS
6030.738	17.846	343.639	5822.072	23.333	0.000	22.807	0.000	9.189	0.000	0.000	22.922	22.641	123.694	XOM_R2OWSG MWD+IFR1+MS
6100.000	16.460	343.639	5888.251	23.646	0.000	23.083	0.000	9.316	0.000	0.000	23.198	22.914	123.867	XOM_R2OWSG MWD+IFR1+MS
6200.000	14.460	343.639	5984.628	24.069	0.000	23.474	0.000	9.494	0.000	0.000	23.591	23.303	123.977	XOM_R2OWSG MWD+IFR1+MS
6300.000	12.460	343.639	6081.876	24.455	0.000	23.857	0.000	9.665	0.000	0.000	23.976	23.685	123.903	XOM_R2OWSG MWD+IFR1+MS
6400.000	10.460	343.639	6179.877	24.804	0.000	24.232	0.000	9.827	0.000	0.000	24.352	24.060	123.692	XOM_R2OWSG MWD+IFR1+MS
6500.000	8.460	343.639	6278.512	25.115	0.000	24.598	0.000	9.983	0.000	0.000	24.721	24.427	123.412	XOM_R2OWSG MWD+IFR1+MS
6600.000	6.460	343.639	6377.661	25.387	0.000	24.955	0.000	10.132	0.000	0.000	25.079	24.784	123.127	XOM_R2OWSG MWD+IFR1+MS
6700.000	4.460	343.639	6477.202	25.621	0.000	25.303	0.000	10.274	0.000	0.000	25.429	25.133	122.896	XOM_R2OWSG MWD+IFR1+MS
6800.000	2.460	343.639	6577.014	25.816	0.000	25.641	0.000	10.412	0.000	0.000	25.768	25.471	122.772	XOM_R2OWSG MWD+IFR1+MS
6900.000	0.460	343.639	6676.977	25.971	0.000	25.970	0.000	10.544	0.000	0.000	26.097	25.800	122.804	XOM_R2OWSG MWD+IFR1+MS
6923.023	0.000	0.000	6700.000	26.084	0.000	25.962	0.000	10.574	0.000	0.000	26.171	25.874	122.846	XOM_R2OWSG MWD+IFR1+MS
7000.000	0.000	0.000	6776.977	26.331	0.000	26.210	0.000	10.675	0.000	0.000	26.419	26.120	123.023	XOM_R2OWSG MWD+IFR1+MS
7100.000	0.000	0.000	6876.977	26.653	0.000	26.533	0.000	10.807	0.000	0.000	26.743	26.442	123.246	XOM_R2OWSG MWD+IFR1+MS
7200.000	0.000	0.000	6976.977	26.975	0.000	26.857	0.000	10.943	0.000	0.000	27.067	26.764	123.462	XOM_R2OWSG MWD+IFR1+MS

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7300.000	0.000	0.000	7076.977	27.299	0.000	27.181	0.000	11.082	0.000	0.000	27.392	27.088	123.669	XOM_R2OWSG MWD+IFR1+MS
7400.000	0.000	0.000	7176.977	27.623	0.000	27.507	0.000	11.224	0.000	0.000	27.718	27.412	123.869	XOM_R2OWSG MWD+IFR1+MS
7500.000	0.000	0.000	7276.977	27.948	0.000	27.834	0.000	11.368	0.000	0.000	28.045	27.737	124.062	XOM_R2OWSG MWD+IFR1+MS
7600.000	0.000	0.000	7376.977	28.274	0.000	28.161	0.000	11.516	0.000	0.000	28.372	28.062	124.249	XOM_R2OWSG MWD+IFR1+MS
7700.000	0.000	0.000	7476.977	28.601	0.000	28.489	0.000	11.667	0.000	0.000	28.700	28.389	124.429	XOM_R2OWSG MWD+IFR1+MS
7800.000	0.000	0.000	7576.977	28.929	0.000	28.818	0.000	11.821	0.000	0.000	29.029	28.716	124.604	XOM_R2OWSG MWD+IFR1+MS
7900.000	0.000	0.000	7676.977	29.257	0.000	29.147	0.000	11.978	0.000	0.000	29.359	29.044	124.772	XOM_R2OWSG MWD+IFR1+MS
8000.000	0.000	0.000	7776.977	29.586	0.000	29.477	0.000	12.138	0.000	0.000	29.689	29.373	124.936	XOM_R2OWSG MWD+IFR1+MS
8100.000	0.000	0.000	7876.977	29.916	0.000	29.808	0.000	12.301	0.000	0.000	30.020	29.703	125.094	XOM_R2OWSG MWD+IFR1+MS
8200.000	0.000	0.000	7976.977	30.246	0.000	30.139	0.000	12.468	0.000	0.000	30.352	30.033	125.247	XOM_R2OWSG MWD+IFR1+MS
8300.000	0.000	0.000	8076.977	30.577	0.000	30.471	0.000	12.637	0.000	0.000	30.684	30.363	125.395	XOM_R2OWSG MWD+IFR1+MS
8400.000	0.000	0.000	8176.977	30.909	0.000	30.804	0.000	12.810	0.000	0.000	31.017	30.695	125.539	XOM_R2OWSG MWD+IFR1+MS
8500.000	0.000	0.000	8276.977	31.241	0.000	31.137	0.000	12.986	0.000	0.000	31.350	31.027	125.679	XOM_R2OWSG MWD+IFR1+MS
8600.000	0.000	0.000	8376.977	31.573	0.000	31.471	0.000	13.165	0.000	0.000	31.684	31.359	125.814	XOM_R2OWSG MWD+IFR1+MS
8700.000	0.000	0.000	8476.977	31.907	0.000	31.805	0.000	13.347	0.000	0.000	32.019	31.692	125.945	XOM_R2OWSG MWD+IFR1+MS
8800.000	0.000	0.000	8576.977	32.241	0.000	32.140	0.000	13.533	0.000	0.000	32.354	32.026	126.073	XOM_R2OWSG MWD+IFR1+MS
8900.000	0.000	0.000	8676.977	32.575	0.000	32.475	0.000	13.722	0.000	0.000	32.689	32.360	126.197	XOM_R2OWSG MWD+IFR1+MS
9000.000	0.000	0.000	8776.977	32.910	0.000	32.811	0.000	13.914	0.000	0.000	33.025	32.695	126.318	XOM_R2OWSG MWD+IFR1+MS
9100.000	0.000	0.000	8876.977	33.245	0.000	33.147	0.000	14.109	0.000	0.000	33.362	33.030	126.435	XOM_R2OWSG MWD+IFR1+MS
9200.000	0.000	0.000	8976.977	33.581	0.000	33.484	0.000	14.308	0.000	0.000	33.699	33.366	126.549	XOM_R2OWSG MWD+IFR1+MS

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Well Plan Report															
6/24, 1:11 PM	9300.000	0.000	0.000	9076.977	33.917	0.000	33.821	0.000	14.510	0.000	0.000	34.036	33.702	126.659	XOM_R2OWSG MWD+IFR1+MS
	9400.000	0.000	0.000	9176.977	34.254	0.000	34.159	0.000	14.715	0.000	0.000	34.374	34.038	126.767	XOM_R2OWSG MWD+IFR1+MS
	9500.000	0.000	0.000	9276.977	34.591	0.000	34.497	0.000	14.924	0.000	0.000	34.712	34.375	126.872	XOM_R2OWSG MWD+IFR1+MS
	9600.000	0.000	0.000	9376.977	34.929	0.000	34.835	0.000	15.135	0.000	0.000	35.051	34.713	126.975	XOM_R2OWSG MWD+IFR1+MS
	9700.000	0.000	0.000	9476.977	35.267	0.000	35.174	0.000	15.350	0.000	0.000	35.390	35.051	127.074	XOM_R2OWSG MWD+IFR1+MS
	9804.826	0.000	0.000	9581.803	35.622	0.000	35.530	0.000	15.579	0.000	0.000	35.745	35.405	127.176	XOM_R2OWSG MWD+IFR1+MS
	9900.000	7.614	180.009	9676.697	34.983	-0.000	35.829	0.000	15.783	0.000	0.000	36.039	35.699	128.126	XOM_R2OWSG MWD+IFR1+MS
	10000.000	15.614	180.009	9774.570	33.723	-0.000	36.103	0.000	15.983	0.000	0.000	36.299	35.958	130.565	XOM_R2OWSG MWD+IFR1+MS
	10100.000	23.614	180.009	9868.691	31.926	-0.000	36.346	0.000	16.172	0.000	0.000	36.524	36.177	134.244	XOM_R2OWSG MWD+IFR1+MS
	10200.000	31.614	180.009	9957.228	29.665	-0.000	36.557	0.000	16.353	0.000	0.000	36.712	36.351	-41.088	XOM_R2OWSG MWD+IFR1+MS
	10300.000	39.614	180.009	10038.458	27.047	-0.000	36.733	0.000	16.533	0.000	0.000	36.867	36.480	-36.011	XOM_R2OWSG MWD+IFR1+MS
	10400.000	47.614	180.009	10110.800	24.226	-0.000	36.876	0.000	16.719	0.000	0.000	36.989	36.564	-31.172	XOM_R2OWSG MWD+IFR1+MS
	10500.000	55.614	180.009	10172.845	21.425	-0.000	36.984	0.000	16.920	0.000	0.000	37.080	36.612	-26.995	XOM_R2OWSG MWD+IFR1+MS
	10600.000	63.614	180.009	10223.386	18.961	-0.000	37.059	0.000	17.144	0.000	0.000	37.141	36.630	-23.614	XOM_R2OWSG MWD+IFR1+MS
	10700.000	71.614	180.009	10261.440	17.257	-0.000	37.101	0.000	17.397	0.000	0.000	37.171	36.629	-20.999	XOM_R2OWSG MWD+IFR1+MS
	10800.000	79.614	180.009	10286.265	16.742	-0.000	37.112	0.000	17.683	0.000	0.000	37.171	36.622	-19.096	XOM_R2OWSG MWD+IFR1+MS
	10900.000	87.614	180.009	10297.379	17.601	-0.000	37.092	0.000	18.001	0.000	0.000	37.141	36.619	-17.930	XOM_R2OWSG MWD+IFR1+MS
	10929.826	90.000	180.009	10298.000	18.101	0.000	37.079	0.000	18.101	0.000	0.000	37.126	36.621	-17.795	XOM_R2OWSG MWD+IFR1+MS
	11000.000	90.000	180.009	10298.000	18.346	0.000	37.051	0.000	18.346	0.000	0.000	37.092	36.626	-17.311	XOM_R2OWSG MWD+IFR1+MS
	11100.000	90.000	180.009	10298.000	18.718	0.000	37.026	0.000	18.718	0.000	0.000	37.057	36.635	-15.932	XOM_R2OWSG MWD+IFR1+MS

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11200.000	90.000	180.009	10298.000	19.115	0.000	37.016	0.000	19.115	0.000	37.038	36.644	-13.711	XOM_R2OWSG MWD+IFR1+MS
11300.000	90.000	180.009	10298.000	19.535	0.000	37.022	0.000	19.535	0.000	37.035	36.654	-10.718	XOM_R2OWSG MWD+IFR1+MS
11400.000	90.000	180.009	10298.000	19.977	0.000	37.044	0.000	19.977	0.000	37.050	36.662	-7.268	XOM_R2OWSG MWD+IFR1+MS
11500.000	90.000	180.009	10298.000	20.440	0.000	37.081	0.000	20.440	0.000	37.083	36.668	-3.836	XOM_R2OWSG MWD+IFR1+MS
11600.000	90.000	180.009	10298.000	20.922	0.000	37.134	0.000	20.922	0.000	37.134	36.673	-0.836	XOM_R2OWSG MWD+IFR1+MS
11700.000	90.000	180.009	10298.000	21.422	0.000	37.203	0.000	21.422	0.000	37.204	36.675	1.539	XOM_R2OWSG MWD+IFR1+MS
11800.000	90.000	180.009	10298.000	21.939	0.000	37.288	0.000	21.939	0.000	37.290	36.677	3.288	XOM_R2OWSG MWD+IFR1+MS
11900.000	90.000	180.009	10298.000	22.471	0.000	37.388	0.000	22.471	0.000	37.392	36.679	4.512	XOM_R2OWSG MWD+IFR1+MS
12000.000	90.000	180.009	10298.000	23.018	0.000	37.503	0.000	23.018	0.000	37.510	36.682	5.332	XOM_R2OWSG MWD+IFR1+MS
12100.000	90.000	180.009	10298.000	23.578	0.000	37.633	0.000	23.578	0.000	37.643	36.684	5.856	XOM_R2OWSG MWD+IFR1+MS
12200.000	90.000	180.009	10298.000	24.151	0.000	37.778	0.000	24.151	0.000	37.791	36.688	6.168	XOM_R2OWSG MWD+IFR1+MS
12300.000	90.000	180.009	10298.000	24.735	0.000	37.939	0.000	24.735	0.000	37.954	36.692	6.332	XOM_R2OWSG MWD+IFR1+MS
12400.000	90.000	180.009	10298.000	25.330	0.000	38.113	0.000	25.330	0.000	38.131	36.697	6.392	XOM_R2OWSG MWD+IFR1+MS
12500.000	90.000	180.009	10298.000	25.936	0.000	38.303	0.000	25.936	0.000	38.322	36.703	6.380	XOM_R2OWSG MWD+IFR1+MS
12600.000	90.000	180.009	10298.000	26.550	0.000	38.506	0.000	26.550	0.000	38.528	36.710	6.319	XOM_R2OWSG MWD+IFR1+MS
12700.000	90.000	180.009	10298.000	27.174	0.000	38.724	0.000	27.174	0.000	38.747	36.718	6.225	XOM_R2OWSG MWD+IFR1+MS
12800.000	90.000	180.009	10298.000	27.805	0.000	38.955	0.000	27.805	0.000	38.980	36.726	6.108	XOM_R2OWSG MWD+IFR1+MS
12900.000	90.000	180.009	10298.000	28.444	0.000	39.200	0.000	28.444	0.000	39.226	36.735	5.979	XOM_R2OWSG MWD+IFR1+MS
13000.000	90.000	180.009	10298.000	29.091	0.000	39.458	0.000	29.091	0.000	39.486	36.745	5.841	XOM_R2OWSG MWD+IFR1+MS
13100.000	90.000	180.009	10298.000	29.744	0.000	39.730	0.000	29.744	0.000	39.758	36.756	5.699	XOM_R2OWSG MWD+IFR1+MS

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13200.000	90.000	180.009	10298.000	30.403	0.000	40.014	0.000	30.403	0.000	0.000	40.043	36.768	5.556	XOM_R2OWSG MWD+IFR1+MS
13300.000	90.000	180.009	10298.000	31.068	0.000	40.310	0.000	31.068	0.000	0.000	40.340	36.780	5.414	XOM_R2OWSG MWD+IFR1+MS
13400.000	90.000	180.009	10298.000	31.738	0.000	40.619	0.000	31.738	0.000	0.000	40.650	36.793	5.274	XOM_R2OWSG MWD+IFR1+MS
13500.000	90.000	180.009	10298.000	32.414	0.000	40.939	0.000	32.414	0.000	0.000	40.971	36.806	5.137	XOM_R2OWSG MWD+IFR1+MS
13600.000	90.000	180.009	10298.000	33.095	0.000	41.272	0.000	33.095	0.000	0.000	41.304	36.821	5.004	XOM_R2OWSG MWD+IFR1+MS
13700.000	90.000	180.009	10298.000	33.780	0.000	41.615	0.000	33.780	0.000	0.000	41.648	36.836	4.876	XOM_R2OWSG MWD+IFR1+MS
13800.000	90.000	180.009	10298.000	34.469	0.000	41.970	0.000	34.469	0.000	0.000	42.003	36.852	4.751	XOM_R2OWSG MWD+IFR1+MS
13900.000	90.000	180.009	10298.000	35.162	0.000	42.336	0.000	35.162	0.000	0.000	42.369	36.868	4.631	XOM_R2OWSG MWD+IFR1+MS
14000.000	90.000	180.009	10298.000	35.859	0.000	42.712	0.000	35.859	0.000	0.000	42.746	36.885	4.516	XOM_R2OWSG MWD+IFR1+MS
14100.000	90.000	180.009	10298.000	36.560	0.000	43.099	0.000	36.560	0.000	0.000	43.133	36.903	4.405	XOM_R2OWSG MWD+IFR1+MS
14200.000	90.000	180.009	10298.000	37.264	0.000	43.495	0.000	37.264	0.000	0.000	43.529	36.922	4.298	XOM_R2OWSG MWD+IFR1+MS
14300.000	90.000	180.009	10298.000	37.971	0.000	43.901	0.000	37.971	0.000	0.000	43.936	36.941	4.196	XOM_R2OWSG MWD+IFR1+MS
14400.000	90.000	180.009	10298.000	38.681	0.000	44.317	0.000	38.681	0.000	0.000	44.351	36.961	4.097	XOM_R2OWSG MWD+IFR1+MS
14500.000	90.000	180.009	10298.000	39.394	0.000	44.742	0.000	39.394	0.000	0.000	44.776	36.981	4.003	XOM_R2OWSG MWD+IFR1+MS
14600.000	90.000	180.009	10298.000	40.109	0.000	45.176	0.000	40.109	0.000	0.000	45.210	37.003	3.912	XOM_R2OWSG MWD+IFR1+MS
14700.000	90.000	180.009	10298.000	40.828	0.000	45.618	0.000	40.828	0.000	0.000	45.653	37.024	3.825	XOM_R2OWSG MWD+IFR1+MS
14800.000	90.000	180.009	10298.000	41.548	0.000	46.069	0.000	41.548	0.000	0.000	46.103	37.047	3.741	XOM_R2OWSG MWD+IFR1+MS
14900.000	90.000	180.009	10298.000	42.271	0.000	46.528	0.000	42.271	0.000	0.000	46.563	37.070	3.660	XOM_R2OWSG MWD+IFR1+MS
15000.000	90.000	180.009	10298.000	42.996	0.000	46.995	0.000	42.996	0.000	0.000	47.030	37.094	3.583	XOM_R2OWSG MWD+IFR1+MS
15100.000	90.000	180.009	10298.000	43.723	0.000	47.470	0.000	43.723	0.000	0.000	47.504	37.118	3.508	XOM_R2OWSG MWD+IFR1+MS

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15200.000	90.000	180.009	10298.000	44.452	0.000	47.952	0.000	44.452	0.000	47.986	37.143	3.437	XOM_R2OWSG MWD+IFR1+MS
15300.000	90.000	180.009	10298.000	45.183	0.000	48.442	0.000	45.183	0.000	48.476	37.169	3.367	XOM_R2OWSG MWD+IFR1+MS
15400.000	90.000	180.009	10298.000	45.916	0.000	48.938	0.000	45.916	0.000	48.972	37.195	3.301	XOM_R2OWSG MWD+IFR1+MS
15500.000	90.000	180.009	10298.000	46.650	0.000	49.441	0.000	46.650	0.000	49.475	37.222	3.237	XOM_R2OWSG MWD+IFR1+MS
15600.000	90.000	180.009	10298.000	47.386	0.000	49.951	0.000	47.386	0.000	49.985	37.250	3.175	XOM_R2OWSG MWD+IFR1+MS
15700.000	90.000	180.009	10298.000	48.124	0.000	50.468	0.000	48.124	0.000	50.502	37.278	3.115	XOM_R2OWSG MWD+IFR1+MS
15800.000	90.000	180.009	10298.000	48.863	0.000	50.990	0.000	48.863	0.000	51.024	37.307	3.058	XOM_R2OWSG MWD+IFR1+MS
15900.000	90.000	180.009	10298.000	49.603	0.000	51.519	0.000	49.603	0.000	51.553	37.336	3.002	XOM_R2OWSG MWD+IFR1+MS
16000.000	90.000	180.009	10298.000	50.345	0.000	52.054	0.000	50.345	0.000	52.087	37.366	2.949	XOM_R2OWSG MWD+IFR1+MS
16100.000	90.000	180.009	10298.000	51.088	0.000	52.594	0.000	51.088	0.000	52.627	37.397	2.897	XOM_R2OWSG MWD+IFR1+MS
16200.000	90.000	180.009	10298.000	51.833	0.000	53.140	0.000	51.833	0.000	53.173	37.428	2.847	XOM_R2OWSG MWD+IFR1+MS
16300.000	90.000	180.009	10298.000	52.578	0.000	53.691	0.000	52.578	0.000	53.723	37.460	2.798	XOM_R2OWSG MWD+IFR1+MS
16400.000	90.000	180.009	10298.000	53.325	0.000	54.247	0.000	53.325	0.000	54.279	37.493	2.751	XOM_R2OWSG MWD+IFR1+MS
16500.000	90.000	180.009	10298.000	54.072	0.000	54.808	0.000	54.072	0.000	54.840	37.526	2.706	XOM_R2OWSG MWD+IFR1+MS
16600.000	90.000	180.009	10298.000	54.821	0.000	55.374	0.000	54.821	0.000	55.406	37.560	2.662	XOM_R2OWSG MWD+IFR1+MS
16700.000	90.000	180.009	10298.000	55.571	0.000	55.945	0.000	55.571	0.000	55.977	37.594	2.619	XOM_R2OWSG MWD+IFR1+MS
16800.000	90.000	180.009	10298.000	56.321	0.000	56.520	0.000	56.321	0.000	56.552	37.629	2.578	XOM_R2OWSG MWD+IFR1+MS
16900.000	90.000	180.009	10298.000	57.073	0.000	57.100	0.000	57.073	0.000	57.132	37.665	2.538	XOM_R2OWSG MWD+IFR1+MS
17000.000	90.000	180.009	10298.000	57.825	0.000	57.684	0.000	57.825	0.000	57.716	37.701	2.499	XOM_R2OWSG MWD+IFR1+MS
17100.000	90.000	180.009	10298.000	58.579	0.000	58.273	0.000	58.579	0.000	58.304	37.738	2.461	XOM_R2OWSG MWD+IFR1+MS

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17200.000	90.000	180.009	10298.000	59.333	0.000	58.865	0.000	59.333	0.000	0.000	58.896	37.775	2.424	XOM_R2OWSG MWD+IFR1+MS
17300.000	90.000	180.009	10298.000	60.088	0.000	59.461	0.000	60.088	0.000	0.000	59.492	37.813	2.389	XOM_R2OWSG MWD+IFR1+MS
17400.000	90.000	180.009	10298.000	60.844	0.000	60.061	0.000	60.844	0.000	0.000	60.092	37.851	2.354	XOM_R2OWSG MWD+IFR1+MS
17500.000	90.000	180.009	10298.000	61.600	0.000	60.665	0.000	61.600	0.000	0.000	60.695	37.891	2.321	XOM_R2OWSG MWD+IFR1+MS
17600.000	90.000	180.009	10298.000	62.357	0.000	61.272	0.000	62.357	0.000	0.000	61.302	37.930	2.288	XOM_R2OWSG MWD+IFR1+MS
17700.000	90.000	180.009	10298.000	63.115	0.000	61.883	0.000	63.115	0.000	0.000	61.913	37.971	2.256	XOM_R2OWSG MWD+IFR1+MS
17800.000	90.000	180.009	10298.000	63.873	0.000	62.498	0.000	63.873	0.000	0.000	62.527	38.011	2.225	XOM_R2OWSG MWD+IFR1+MS
17900.000	90.000	180.009	10298.000	64.632	0.000	63.115	0.000	64.632	0.000	0.000	63.144	38.053	2.195	XOM_R2OWSG MWD+IFR1+MS
18000.000	90.000	180.009	10298.000	65.392	0.000	63.736	0.000	65.392	0.000	0.000	63.765	38.095	2.166	XOM_R2OWSG MWD+IFR1+MS
18100.000	90.000	180.009	10298.000	66.152	0.000	64.359	0.000	66.152	0.000	0.000	64.388	38.138	2.137	XOM_R2OWSG MWD+IFR1+MS
18200.000	90.000	180.009	10298.000	66.913	0.000	64.986	0.000	66.913	0.000	0.000	65.015	38.181	2.109	XOM_R2OWSG MWD+IFR1+MS
18300.000	90.000	180.009	10298.000	67.674	0.000	65.616	0.000	67.674	0.000	0.000	65.644	38.225	2.082	XOM_R2OWSG MWD+IFR1+MS
18400.000	90.000	180.009	10298.000	68.436	0.000	66.248	0.000	68.436	0.000	0.000	66.277	38.269	2.056	XOM_R2OWSG MWD+IFR1+MS
18500.000	90.000	180.009	10298.000	69.199	0.000	66.884	0.000	69.199	0.000	0.000	66.912	38.314	2.030	XOM_R2OWSG MWD+IFR1+MS
18600.000	90.000	180.009	10298.000	69.962	0.000	67.522	0.000	69.962	0.000	0.000	67.549	38.359	2.005	XOM_R2OWSG MWD+IFR1+MS
18700.000	90.000	180.009	10298.000	70.725	0.000	68.162	0.000	70.725	0.000	0.000	68.190	38.406	1.980	XOM_R2OWSG MWD+IFR1+MS
18800.000	90.000	180.009	10298.000	71.489	0.000	68.805	0.000	71.489	0.000	0.000	68.833	38.452	1.956	XOM_R2OWSG MWD+IFR1+MS
18879.830	90.000	180.009	10298.000	72.099	0.000	69.320	0.000	72.099	0.000	0.000	69.347	38.490	1.937	XOM_R2OWSG MWD+IFR1+MS
18900.000	90.000	179.606	10298.000	72.253	0.000	69.438	-0.000	72.253	0.000	0.000	69.477	38.499	1.933	XOM_R2OWSG MWD+IFR1+MS
19000.000	90.000	177.606	10298.000	73.018	0.000	69.990	-0.000	73.018	0.000	0.000	70.127	38.547	1.893	XOM_R2OWSG MWD+IFR1+MS

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Well Plan Report														
19100.000	90.000	175.606	10298.000	73.783	0.000	70.488	-0.000	73.783	0.000	0.000	70.781	38.595	1.830	XOM_R2OWSG MWD+IFR1+MS
19200.000	90.000	173.606	10298.000	74.549	0.000	70.930	-0.000	74.549	0.000	0.000	71.438	38.642	1.742	XOM_R2OWSG MWD+IFR1+MS
19300.000	90.000	171.606	10298.000	75.315	0.000	71.315	-0.000	75.315	0.000	0.000	72.097	38.691	1.631	XOM_R2OWSG MWD+IFR1+MS
19400.000	90.000	169.606	10298.000	76.081	0.000	71.642	-0.000	76.081	0.000	0.000	72.758	38.739	1.497	XOM_R2OWSG MWD+IFR1+MS
19500.000	90.000	167.606	10298.000	76.848	0.000	71.911	-0.000	76.848	0.000	0.000	73.419	38.788	1.341	XOM_R2OWSG MWD+IFR1+MS
19600.000	90.000	165.606	10298.000	77.615	0.000	72.122	-0.000	77.615	0.000	0.000	74.080	38.837	1.163	XOM_R2OWSG MWD+IFR1+MS
19700.000	90.000	163.606	10298.000	78.382	0.000	72.272	-0.000	78.382	0.000	0.000	74.739	38.886	0.965	XOM_R2OWSG MWD+IFR1+MS
19800.000	90.000	161.606	10298.000	79.150	0.000	72.364	-0.000	79.150	0.000	0.000	75.397	38.936	0.747	XOM_R2OWSG MWD+IFR1+MS
19900.000	90.000	159.606	10298.000	79.918	0.000	72.396	-0.000	79.918	0.000	0.000	76.053	38.986	0.510	XOM_R2OWSG MWD+IFR1+MS
20000.000	90.000	157.606	10298.000	80.686	0.000	72.368	-0.000	80.686	0.000	0.000	76.705	39.036	0.254	XOM_R2OWSG MWD+IFR1+MS
20100.000	90.000	155.606	10298.000	81.455	0.000	72.281	-0.000	81.455	0.000	0.000	77.353	39.087	-0.020	XOM_R2OWSG MWD+IFR1+MS
20200.000	90.000	153.606	10298.000	82.224	0.000	72.136	-0.000	82.224	0.000	0.000	77.997	39.139	-0.311	XOM_R2OWSG MWD+IFR1+MS
20300.000	90.000	151.606	10298.000	82.993	0.000	71.932	-0.000	82.993	0.000	0.000	78.635	39.192	-0.619	XOM_R2OWSG MWD+IFR1+MS
20400.000	90.000	149.606	10298.000	83.763	0.000	71.671	-0.000	83.763	0.000	0.000	79.267	39.246	-0.944	XOM_R2OWSG MWD+IFR1+MS
20506.241	90.000	147.481	10298.000	84.581	0.000	71.332	-0.000	84.581	0.000	0.000	79.932	39.305	-1.307	XOM_R2OWSG MWD+IFR1+MS
20600.000	90.000	147.481	10298.000	85.303	0.000	71.992	-0.000	85.303	0.000	0.000	80.517	39.359	-1.633	XOM_R2OWSG MWD+IFR1+MS
20700.000	90.000	147.481	10298.000	86.074	0.000	72.701	-0.000	86.074	0.000	0.000	81.146	39.419	-1.977	XOM_R2OWSG MWD+IFR1+MS
20800.000	90.000	147.481	10298.000	86.844	0.000	73.415	-0.000	86.844	0.000	0.000	81.779	39.481	-2.316	XOM_R2OWSG MWD+IFR1+MS
20900.000	90.000	147.481	10298.000	87.615	0.000	74.134	-0.000	87.615	0.000	0.000	82.418	39.544	-2.649	XOM_R2OWSG MWD+IFR1+MS
20911.578	90.000	147.481	10298.000	87.704	0.000	74.217	-0.000	87.704	0.000	0.000	82.492	39.552	-2.687	XOM_R2OWSG MWD+IFR1+MS

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Well Plan Report														
21000.000	90.000	149.249	10298.000	88.386	0.000	75.775	-0.000	88.386	0.000	0.000	83.066	39.609	-2.970	XOM_R2OWSG MWD+IFR1+MS
21100.000	90.000	151.249	10298.000	89.158	0.000	77.485	-0.000	89.158	0.000	0.000	83.728	39.675	-3.266	XOM_R2OWSG MWD+IFR1+MS
21200.000	90.000	153.249	10298.000	89.929	0.000	79.136	-0.000	89.929	0.000	0.000	84.404	39.741	-3.537	XOM_R2OWSG MWD+IFR1+MS
21300.000	90.000	155.249	10298.000	90.701	0.000	80.723	-0.000	90.701	0.000	0.000	85.091	39.807	-3.781	XOM_R2OWSG MWD+IFR1+MS
21400.000	90.000	157.249	10298.000	91.473	0.000	82.240	-0.000	91.473	0.000	0.000	85.789	39.872	-3.999	XOM_R2OWSG MWD+IFR1+MS
21500.000	90.000	159.249	10298.000	92.246	0.000	83.685	-0.000	92.246	0.000	0.000	86.494	39.937	-4.192	XOM_R2OWSG MWD+IFR1+MS
21600.000	90.000	161.249	10298.000	93.018	0.000	85.053	-0.000	93.018	0.000	0.000	87.206	40.001	-4.360	XOM_R2OWSG MWD+IFR1+MS
21700.000	90.000	163.249	10298.000	93.791	0.000	86.341	-0.000	93.791	0.000	0.000	87.923	40.065	-4.503	XOM_R2OWSG MWD+IFR1+MS
21800.000	90.000	165.249	10298.000	94.564	0.000	87.546	-0.000	94.564	0.000	0.000	88.642	40.129	-4.621	XOM_R2OWSG MWD+IFR1+MS
21900.000	90.000	167.249	10298.000	95.337	0.000	88.664	-0.000	95.337	0.000	0.000	89.363	40.192	-4.717	XOM_R2OWSG MWD+IFR1+MS
22000.000	90.000	169.249	10298.000	96.110	0.000	89.695	-0.000	96.110	0.000	0.000	90.085	40.255	-4.789	XOM_R2OWSG MWD+IFR1+MS
22100.000	90.000	171.249	10298.000	96.884	0.000	90.635	-0.000	96.884	0.000	0.000	90.804	40.319	-4.840	XOM_R2OWSG MWD+IFR1+MS
22200.000	90.000	173.249	10298.000	97.657	0.000	91.481	-0.000	97.657	0.000	0.000	91.521	40.382	-4.869	XOM_R2OWSG MWD+IFR1+MS
22300.000	90.000	175.249	10298.000	98.431	0.000	92.234	-0.000	98.431	0.000	0.000	92.234	40.446	-4.879	XOM_R2OWSG MWD+IFR1+MS
22400.000	90.000	177.249	10298.000	99.205	0.000	92.890	-0.000	99.205	0.000	0.000	92.941	40.510	-4.869	XOM_R2OWSG MWD+IFR1+MS
22500.000	90.000	179.249	10298.000	99.979	0.000	93.449	-0.000	99.979	0.000	0.000	93.643	40.575	-4.840	XOM_R2OWSG MWD+IFR1+MS
22600.000	90.000	181.249	10298.000	100.754	0.000	93.909	0.000	100.754	0.000	0.000	94.336	40.641	-4.794	XOM_R2OWSG MWD+IFR1+MS
22700.000	90.000	183.249	10298.000	101.528	0.000	94.271	0.000	101.528	0.000	0.000	95.021	40.707	-4.732	XOM_R2OWSG MWD+IFR1+MS
22800.000	90.000	185.249	10298.000	102.303	0.000	94.532	0.000	102.303	0.000	0.000	95.697	40.774	-4.653	XOM_R2OWSG MWD+IFR1+MS
22900.000	90.000	187.249	10298.000	103.078	0.000	94.694	0.000	103.078	0.000	0.000	96.363	40.843	-4.559	XOM_R2OWSG MWD+IFR1+MS

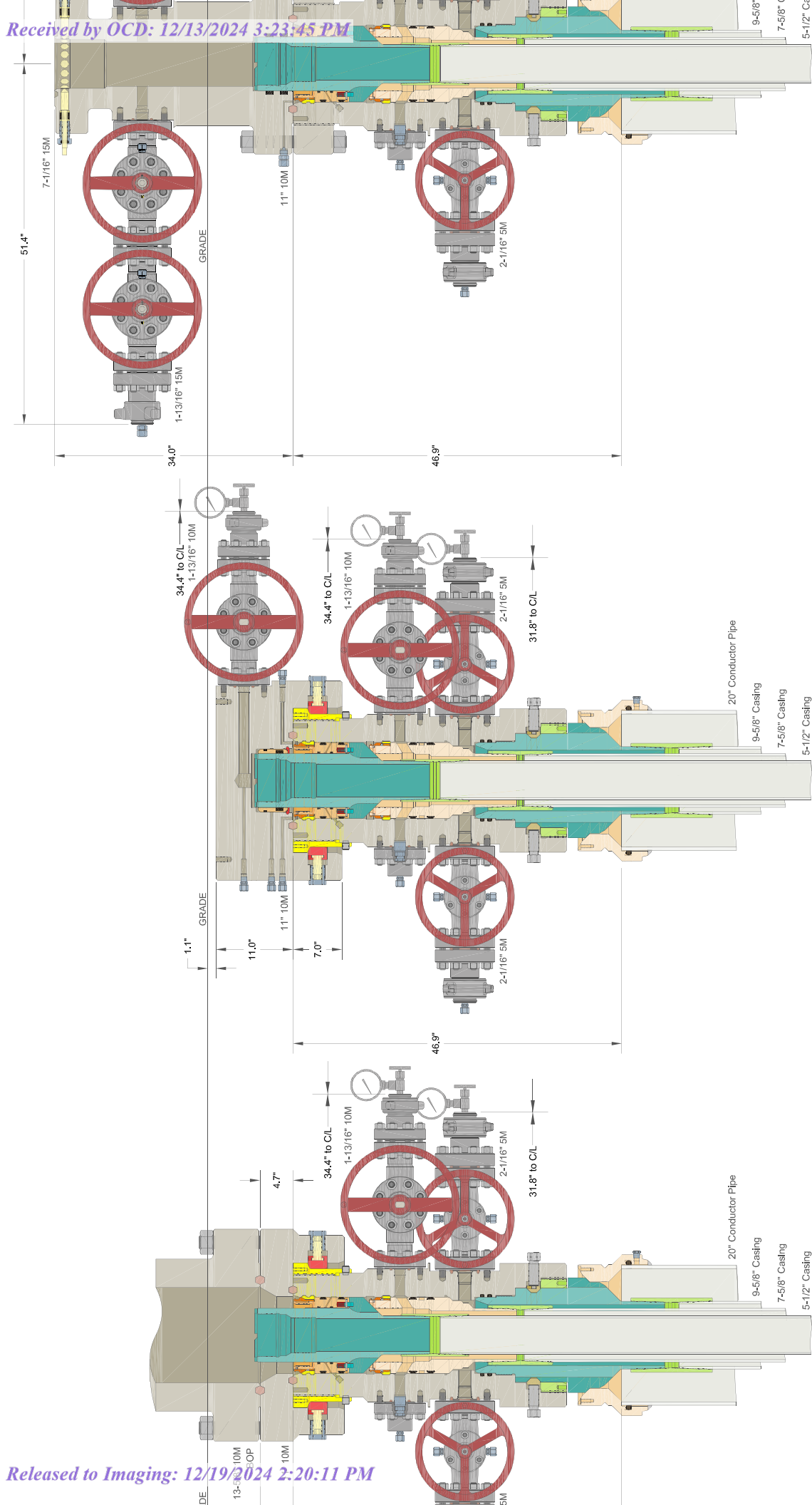
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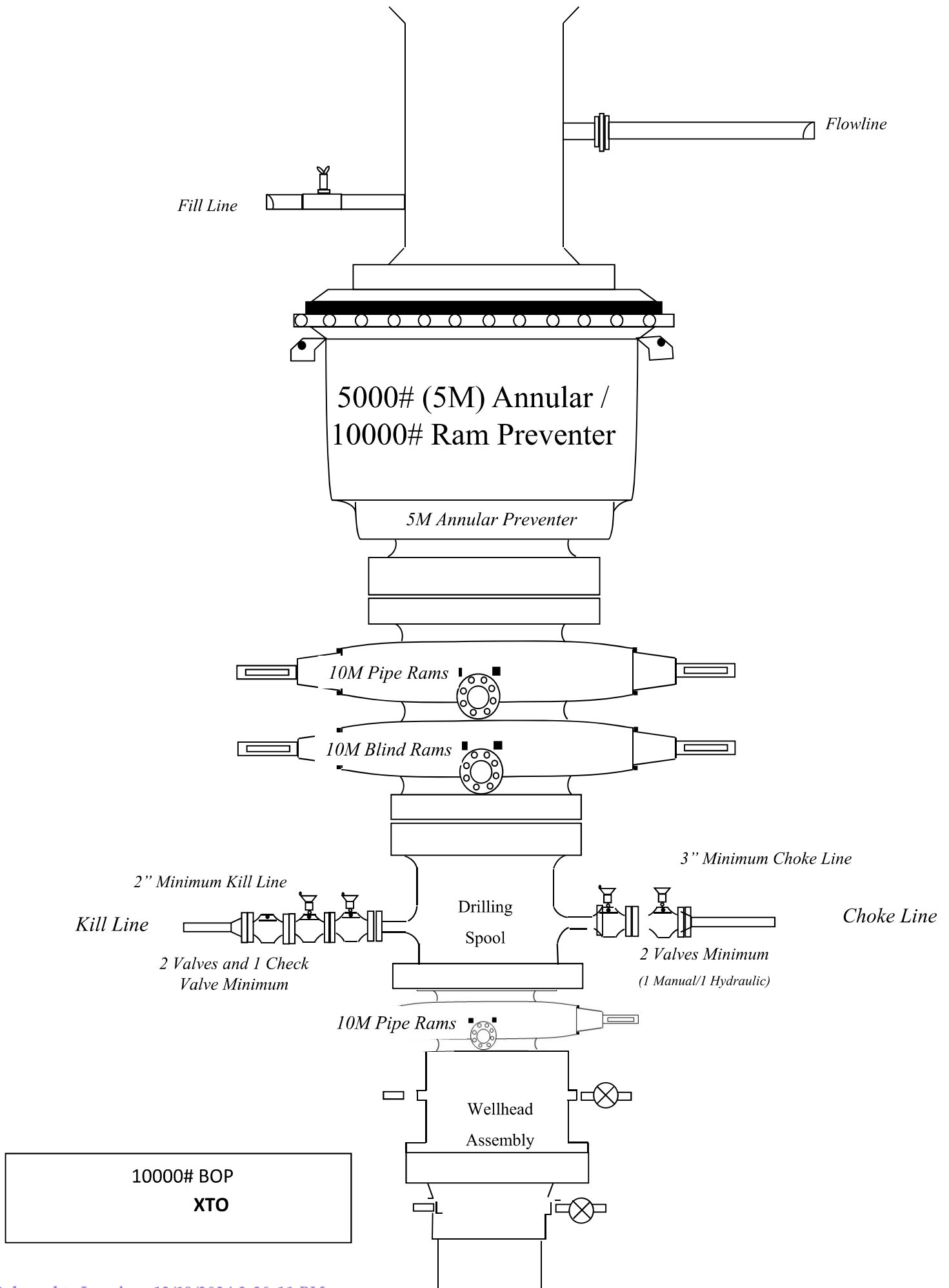
Well Plan Report													
22982.693	90.000	188.903	10298.000	103.719	0.000	94.751	0.000	103.719	0.000	0.000	96.906	40.900	XOM_R2OWSG MWD+IFR1+MS
23000.000	90.000	188.903	10298.000	103.853	0.000	94.867	0.000	103.853	0.000	0.000	97.019	40.912	XOM_R2OWSG MWD+IFR1+MS
23100.000	90.000	188.903	10298.000	104.628	0.000	95.536	0.000	104.628	0.000	0.000	97.671	40.983	XOM_R2OWSG MWD+IFR1+MS
23200.000	90.000	188.903	10298.000	105.403	0.000	96.207	0.000	105.403	0.000	0.000	98.325	41.055	XOM_R2OWSG MWD+IFR1+MS
23300.000	90.000	188.903	10298.000	106.179	0.000	96.879	0.000	106.179	0.000	0.000	98.981	41.127	XOM_R2OWSG MWD+IFR1+MS
23400.000	90.000	188.903	10298.000	106.954	0.000	97.552	0.000	106.954	0.000	0.000	99.637	41.200	XOM_R2OWSG MWD+IFR1+MS
23500.000	90.000	188.903	10298.000	107.730	0.000	98.227	0.000	107.730	0.000	0.000	100.296	41.273	XOM_R2OWSG MWD+IFR1+MS
23600.000	90.000	188.903	10298.000	108.506	0.000	98.903	0.000	108.506	0.000	0.000	100.956	41.346	XOM_R2OWSG MWD+IFR1+MS
23700.000	90.000	188.903	10298.000	109.281	0.000	99.580	0.000	109.281	0.000	0.000	101.617	41.420	XOM_R2OWSG MWD+IFR1+MS
23800.000	90.000	188.903	10298.000	110.058	0.000	100.258	0.000	110.058	0.000	0.000	102.280	41.494	XOM_R2OWSG MWD+IFR1+MS
23900.000	90.000	188.903	10298.000	110.834	0.000	100.938	0.000	110.834	0.000	0.000	102.944	41.569	XOM_R2OWSG MWD+IFR1+MS
24000.000	90.000	188.903	10298.000	111.610	0.000	101.618	0.000	111.610	0.000	0.000	103.609	41.644	XOM_R2OWSG MWD+IFR1+MS
24100.000	90.000	188.903	10298.000	112.386	0.000	102.300	0.000	112.386	0.000	0.000	104.276	41.719	XOM_R2OWSG MWD+IFR1+MS
24200.000	90.000	188.903	10298.000	113.163	0.000	102.983	0.000	113.163	0.000	0.000	104.944	41.795	XOM_R2OWSG MWD+IFR1+MS
24300.000	90.000	188.903	10298.000	113.940	0.000	103.667	0.000	113.940	0.000	0.000	105.613	41.871	XOM_R2OWSG MWD+IFR1+MS
24400.000	90.000	188.903	10298.000	114.716	0.000	104.352	0.000	114.716	0.000	0.000	106.284	41.948	XOM_R2OWSG MWD+IFR1+MS
24500.000	90.000	188.903	10298.000	115.493	0.000	105.038	0.000	115.493	0.000	0.000	106.955	42.025	XOM_R2OWSG MWD+IFR1+MS
24600.000	90.000	188.903	10298.000	116.270	0.000	105.725	0.000	116.270	0.000	0.000	107.628	42.103	XOM_R2OWSG MWD+IFR1+MS
24700.000	90.000	188.903	10298.000	117.047	0.000	106.413	0.000	117.047	0.000	0.000	108.302	42.181	XOM_R2OWSG MWD+IFR1+MS
24800.000	90.000	188.903	10298.000	117.824	0.000	107.102	0.000	117.824	0.000	0.000	108.978	42.259	XOM_R2OWSG MWD+IFR1+MS

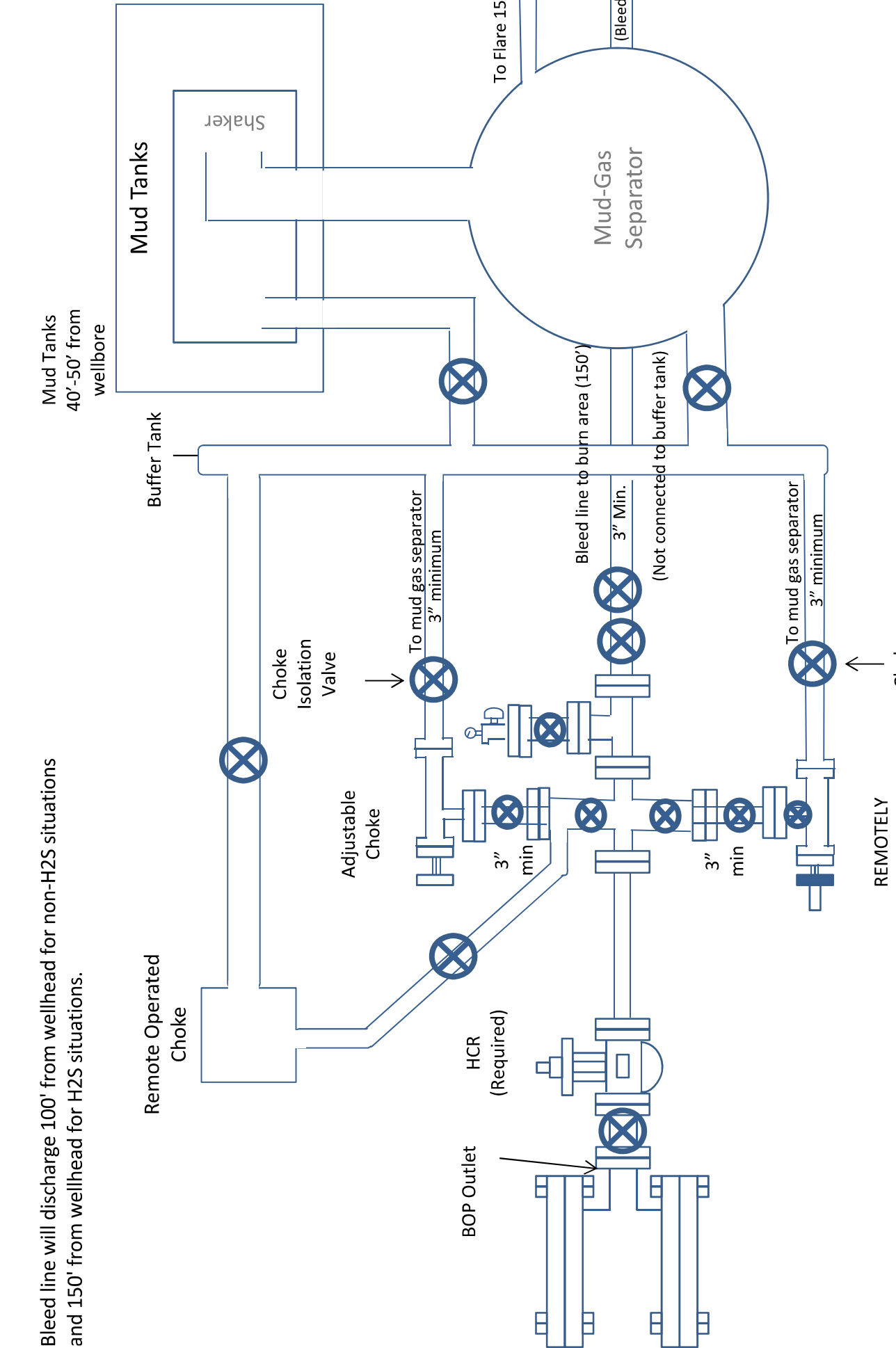
24900.000	90.000	188.903	10298.000	118.602	0.000	107.792	0.000	118.602	0.000	0.000	109.654	42.337	-2.571	XOM_R2OWSG MWD+IFR1+MS
25000.000	90.000	188.903	10298.000	119.379	0.000	108.483	0.000	119.379	0.000	0.000	110.331	42.416	-2.485	XOM_R2OWSG MWD+IFR1+MS
25100.000	90.000	188.903	10298.000	120.157	0.000	109.175	0.000	120.157	0.000	0.000	111.010	42.496	-2.401	XOM_R2OWSG MWD+IFR1+MS
25200.000	90.000	188.903	10298.000	120.934	0.000	109.867	0.000	120.934	0.000	0.000	111.689	42.576	-2.317	XOM_R2OWSG MWD+IFR1+MS
25300.000	90.000	188.903	10298.000	121.712	0.000	110.561	0.000	121.712	0.000	0.000	112.370	42.656	-2.235	XOM_R2OWSG MWD+IFR1+MS
25400.000	90.000	188.903	10298.000	122.490	0.000	111.255	0.000	122.490	0.000	0.000	113.052	42.736	-2.154	XOM_R2OWSG MWD+IFR1+MS
25500.000	90.000	188.903	10298.000	123.267	0.000	111.951	0.000	123.267	0.000	0.000	113.734	42.817	-2.073	XOM_R2OWSG MWD+IFR1+MS
25550.101	90.000	188.903	10298.000	123.657	0.000	112.299	0.000	123.657	0.000	0.000	114.076	42.858	-2.034	XOM_R2OWSG MWD+IFR1+MS
25600.864	90.000	188.903	10298.000	124.052	0.000	112.652	0.000	124.052	0.000	0.000	114.423	42.899	-1.994	XOM_R2OWSG MWD+IFR1+MS

PLU 22-3 BS 121H

Plan Targets	Measured Depth				Grid Northing		Grid Easting		TVD MSL	Target Shape
Target Name	(ft)				(ft)		(ft)		(ft)	
P1 121H	19099.89				396670.10		673185.80		6925.00	CIRCLE
P2 121H	20911.58				395007.80		673852.90		6925.00	CIRCLE
LTP 121H	25550.10				390487.90		673870.20		6925.00	CIRCLE
BHL 121H	25600.10				390437.90		673870.40		6925.00	CIRCLE
FTP 121H	10929.82				404840.10		673187.10		6925.00	CIRCLE







**Drilling Operations
Choke Manifold
10M Service**

10M Choke Manifold Diagram
XTO

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



U. S. Steel Tubular Products
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	—

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

Description of Operations:

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



U. S. Steel Tubular Products

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]

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Notes

- 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).
- Joint efficiencies are calculated by dividing the connection critical area by the pipe body area.
- Uniaxial bend rating shown is structural only.
- 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.).
- Reference length is calculated by Joint Strength divided by Nominal Linear Weight, T&C with a 1.5 Safety factor.
- Coupling must meet minimum mechanical properties of the pipe.

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**BLACK GOLD®**

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NEW CHOKE HOSE
INSTALLED 02-10-2024

CERTIFICATE OF CONFORMANCE

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

CUSTOMER: NABORS DRILLING TECHNOLOGIES USA DBA NABORS DRILLING USA
CUSTOMER P.O.#: 15582803 (TAG NABORS PO #15582803 SN 74621 ASSET 66-1531)
CUSTOMER P/N: IMR RETEST SN 74621 ASSET #66-1531

PART DESCRIPTION: RETEST OF CUSTOMER 3" X 45 FT 16C CHOKE & KILL HOSE ASSEMBLY C/W 4 1/16" 10K FLANGES

SALES ORDER #: 529480
QUANTITY: 1
SERIAL #: 74621 H3-012524-1

SIGNATURE:*F. Cismos***TITLE:****QUALITY ASSURANCE****DATE:**

1/25/2024



H3-15/16

1/25/2024 11:48:06 AM

TEST REPORT

CUSTOMER

Company: Nabors Industries Inc.

Production description: 74621/66-1531

Sales order #: 529480

Customer reference: FG1213

TEST OBJECT

Serial number: H3-012524-1

Lot number:

Description: 74621/66-1531

Hose ID: 3" 16C CK

Part number:

TEST INFORMATION

Test procedure: GTS-04-053

Test pressure: 15000.00 psi

Test pressure hold: 3600.00 sec

Work pressure: 10000.00 psi

Work pressure hold: 900.00 sec

Length difference: 0.00 %

Length difference: 0.00 inch

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

Part number:

Description:

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

Part number:

Description:

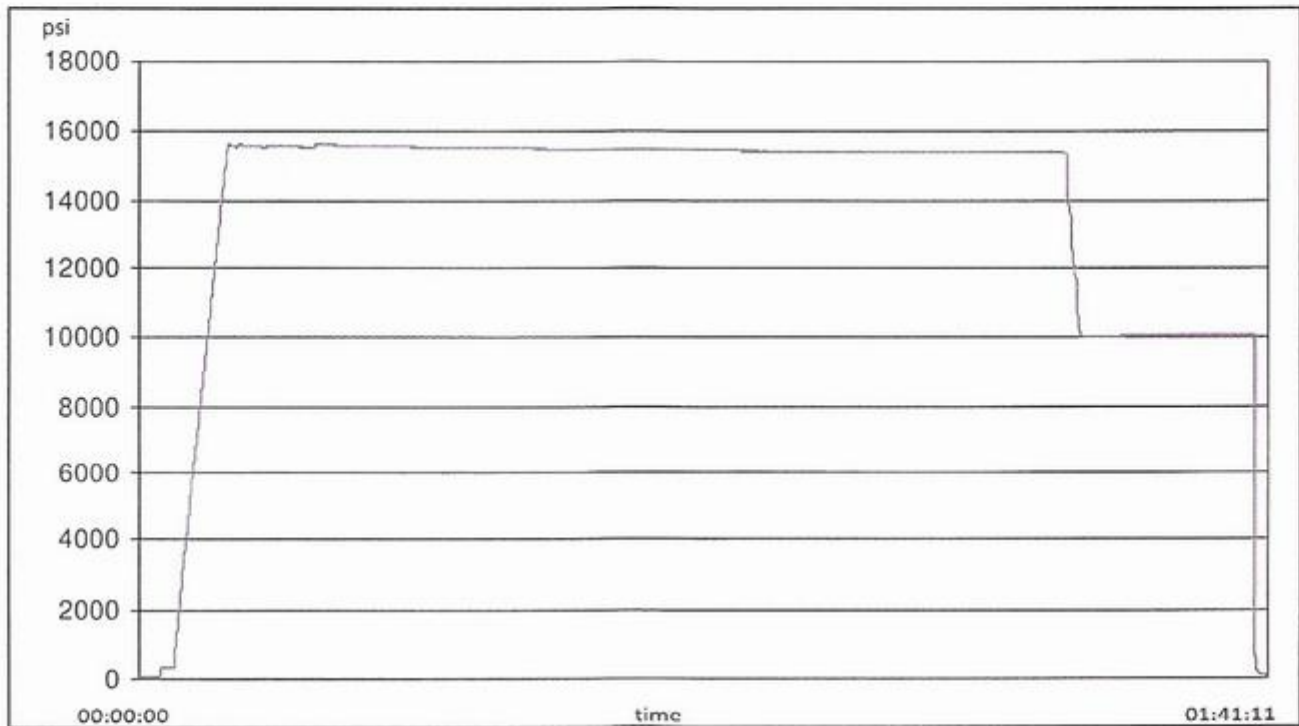
Visual check:

Pressure test result: PASS

Length measurement result:

Length: 45 feet

Test operator: Travis





H3-15/16

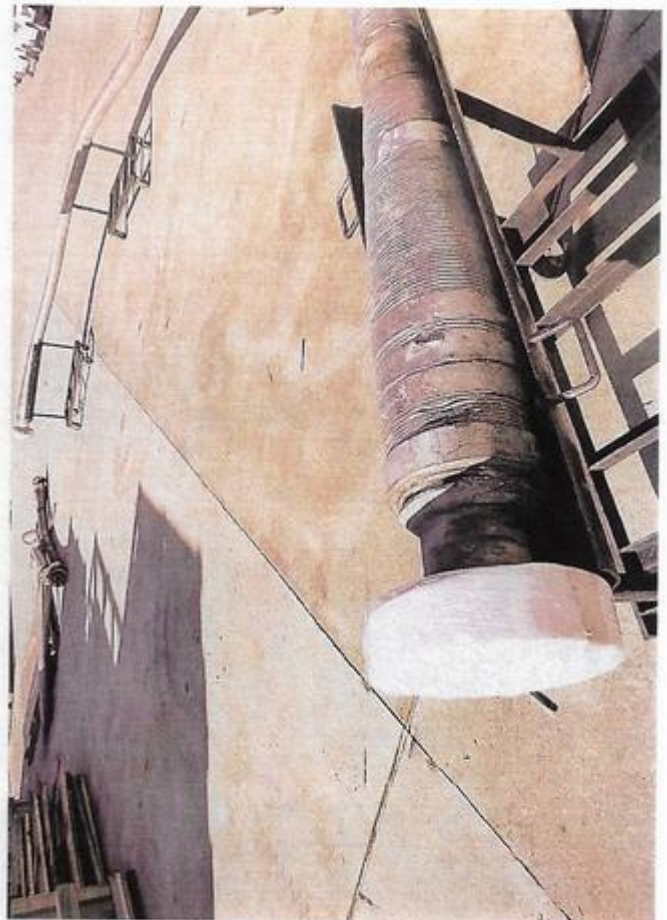
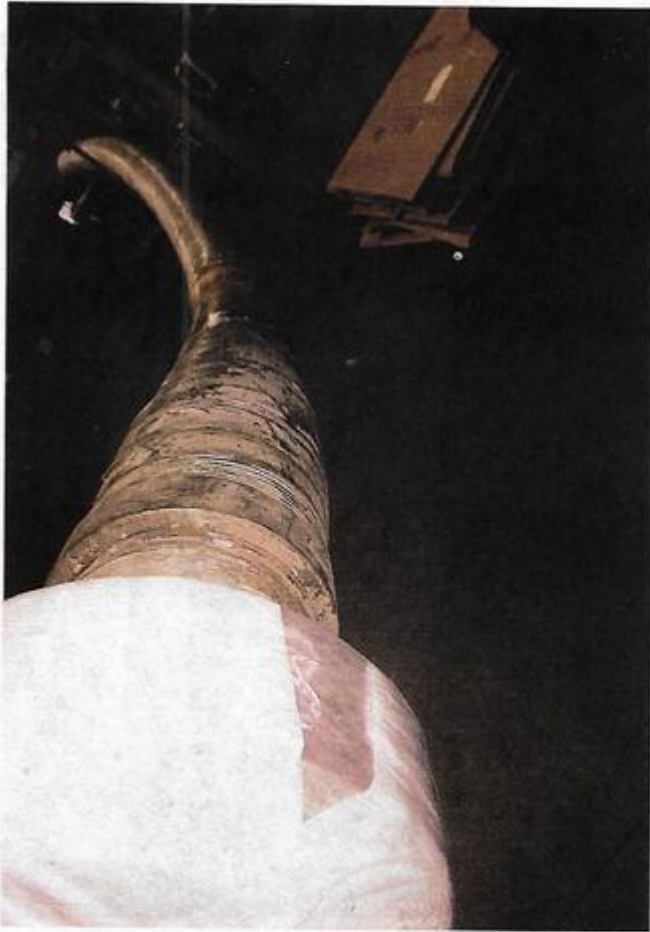
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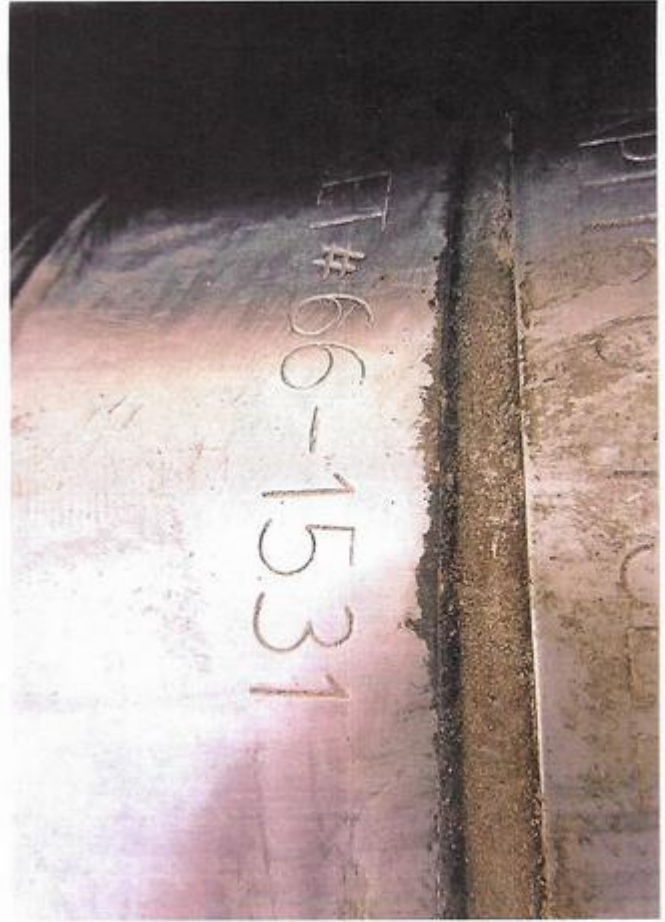
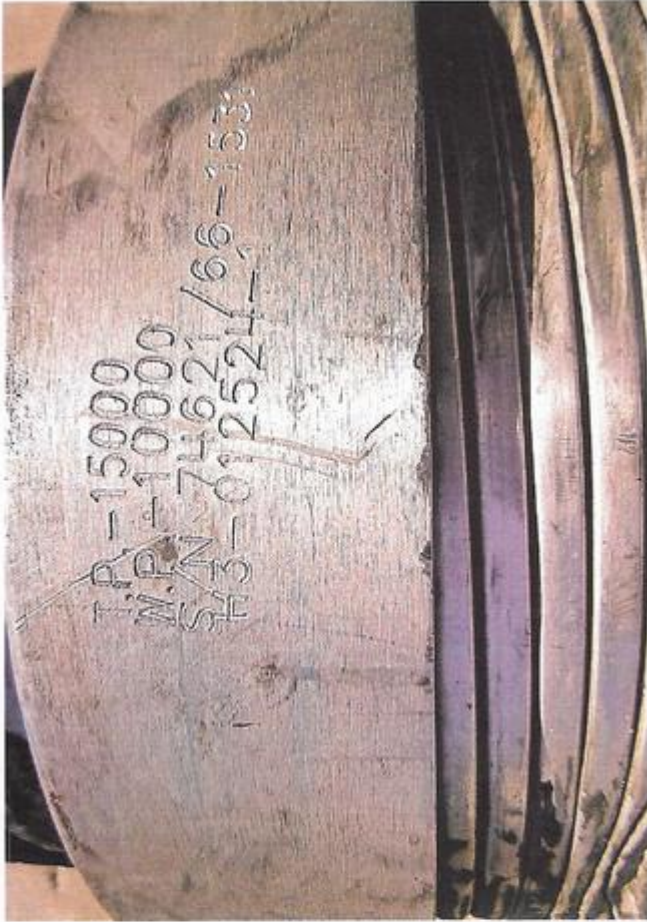
TEST REPORT

GAUGE TRACEABILITY

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

Comment





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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 411871

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 411871
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Any previous COA's not addressed within the updated COA's still apply.	12/19/2024