Well Number: 310H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMLC061634B

Unit or CA Name: POKER LAKE UNIT

Unit or CA Number: NMNM71016X

US Well Number:

Operator: XTO PERMIAN OPERATING LLC

Notice of Intent

Sundry ID: 2830599

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 01/07/2025

Time Sundry Submitted: 04:18

Date proposed operation will begin: 01/21/2025

Procedure Description: XTO Permian Operating, LLC. respectfully requests approval to make the following changes to the approved APD. Changes to include KOP, FTP, LTP, BHL, Proposed total Depth, Pool. There is a Dedicated Acreage change. There is no new surface disturbance. The API number for this well is 30-015-55949 FROM: TO: KOP: 2435' FNL & 1919' FEL OF SECTION 30-T25S-R31E 2041’ FNL & 1505’ FEL OF SECTION 30-T25S-R31E FTP: 2435' FNL & 1650' FEL OF SECTION 30-T25S-R31E 2557' FNL & 1500' FEL OF SECTION 30-T25S-R31E LTP: 100' FSL & 1650' FEL OF SECTION 6-T26S-R31E 100' FSL & 1500' FEL OF SECTION 6-T26S-R31E BHL: 50' FSL & 1650' FEL OF SECTION 6-T25S-R31E 10' FSL & 1500' FEL OF SECTION 6-T26S-R31E The proposed total depth is changing from 23604’ MD; 9783’ TVD to 24282’ MD; 10659’ TVD. Pool Code is changing FROM 97975 / WC-015 G-06 S243229C; Bone Spring TO 97913 / WILDCAT G-06 S253002O; BONE SPRING There will be no changes required to the facilities/surface usage that was approved along with the APD. See attached drilling program for the updated casing design, cement program & mud circulation system. Attachments: C-102, Drilling Program, Directional Drilling Plan, Choke Manifold Diagram, BOP Diagram, Non-API Spec documents for Intermediate & Production Casing, Flex Hose Variance, Spudder Rig Request

NOI Attachments

Procedure Description

Sundry_Attachments_PLU_30_BS_310H_20250107161808.pdf

NMNM71016X

US Well Number:

Operator: XTO PERMIAN OPERATING LLC

Conditions of Approval

Additional

PLU_30_BS_310H_COA_20250131075943.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: VISHAL RAJAN

Signed on: JAN 07, 2025 04:18 PM

Name: XTO PERMIAN OPERATING LLC

Title: Regulatory Clerk

Street Address: 6401 HOLIDAY HILL ROAD BLDG 5

City: MIDLAND **State:** TX

Phone: (432) 620-6704

Email address: VISHAL.RAJAN@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: 01/31/2025

Signature: Chris Walls

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No. NMLC061634B

6. If Indian, Allottee or Tribe Name

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

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

8. Well Name and No. POKER LAKE UNIT 30 BS/310H

2. Name of Operator XTO PERMIAN OPERATING LLC

9. API Well No.

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

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

10. Field and Pool or Exploratory Area WC-015 G-06 S243119C/BONE SPRING

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* SEC 30/T25S/R31E/NMP

11. Country or Parish, State EDDY/NM

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

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

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

XTO Permian Operating, LLC. respectfully requests approval to make the following changes to the approved APD. Changes to include KOP, FTP, LTP, BHL, Proposed total Depth, Pool. There is a Dedicated Acreage change. There is no new surface disturbance. The API number for this well is 30-015-55949

FROM: TO:
KOP: 2435' FNL & 1919' FEL OF SECTION 30-T25S-R31E 2041 FNL & 1505 FEL OF SECTION 30-T25S-R31E
FTP: 2435' FNL & 1650' FEL OF SECTION 30-T25S-R31E 2557' FNL & 1500' FEL OF SECTION 30-T25S-R31E
LTP: 100' FSL & 1650' FEL OF SECTION 6-T26S-R31E 100' FSL & 1500' FEL OF SECTION 6-T26S-R31E
BHL: 50' FSL & 1650' FEL OF SECTION 6-T25S-R31E 10' FSL & 1500' FEL OF SECTION 6-T26S-R31E

The proposed total depth is changing from 23604 MD; 9783 TVD to 24282 MD; 10659 TVD.

Continued on page 3 additional information

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)* VISHAL RAJAN / Ph: (432) 620-6704

Title Regulatory Clerk

Signature (Electronic Submission)

Date 01/07/2025

THE SPACE FOR FEDERAL OR STATE OFICE USE

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

Title Petroleum Engineer

Date 01/31/2025

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

Office CARLSBAD

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

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

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

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

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

Additional Information

Additional Remarks

Pool Code is changing FROM 97975 / WC-015 G-06 S243229C; Bone Spring TO 97913 / WILDCAT G-06 S253002O; BONE SPRING

There will be no changes required to the facilities/surface usage that was approved along with the APD.

See attached drilling program for the updated casing design, cement program & mud circulation system.

Attachments: C-102, Drilling Program, Directional Drilling Plan, Choke Manifold Diagram, BOP Diagram, Non-API Spec documents for Intermediate & Production Casing, Flex Hose Variance, Spudder Rig Request

Location of Well

0. SHL: SWNE / 2435 FNL / 1919 FEL / TWSP: 25S / RANGE: 31E / SECTION: 30 / LAT: 32.101845 / LONG: -103.815086 (TVD: 0 feet, MD: 0 feet)

PPP: NWSE / 2657 FNL / 1649 FEL / TWSP: 25S / RANGE: 31E / SECTION: 30 / LAT: 32.101235 / LONG: -103.814218 (TVD: 9783 feet, MD: 10800 feet)

PPP: NWSE / 2655 FNL / 1634 FEL / TWSP: 25S / RANGE: 31E / SECTION: 31 / LAT: 32.086633 / LONG: -103.814245 (TVD: 9783 feet, MD: 16100 feet)

PPP: SWNE / 2435 FNL / 1650 FEL / TWSP: 25S / RANGE: 31E / SECTION: 30 / LAT: 32.101846 / LONG: -103.814217 (TVD: 9783 feet, MD: 10200 feet)

BHL: SWSE / 50 FSL / 1650 FEL / TWSP: 26S / RANGE: 31E / SECTION: 6 / LAT: 32.064829 / LONG: -103.814284 (TVD: 9783 feet, MD: 23604 feet)

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO
LEASE NO.:	**NMNM0157756A**
LOCATION:	Sec. 30, T.25 S, R 31 E
COUNTY:	Eddy County, New Mexico
WELL NAME & NO.:	Poker Lake Unit 30 BS 310H
SURFACE HOLE FOOTAGE:	2435'/N & 1919'/E
BOTTOM HOLE FOOTAGE:	10'/S & 1500'/E

*Changes approved through engineering via **Sundry 2830599** on 1-30-2025. Any previous COAs not addressed within the updated COAs still apply.*

COA

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

A. HYDROGEN SULFIDE

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

B. CASING

1. The **9-5/8** inch surface casing shall be set at approximately **1084** feet (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.

    a. If cement does not circulate to the surface, the appropriate BLM office shall be

notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.

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

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

a. **First stage:** Operator will cement with intent to reach the top of the **Brushy Canyon at 7836'.**

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 Medium 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 **P-110 Wedge 441 and TPN** is:
- Cement should tie-back **200 feet** into the previous casing. 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)**

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.

BOPE Break Testing Variance

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

Offline Cementing

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

GENERAL REQUIREMENTS

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

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

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

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

A. CASING

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

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

B. PRESSURE CONTROL

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

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

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

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

iii. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR 3172** with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for 8 hours or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).

iv. The test shall be run on a 5000-psi chart for a 2-3M BOP/BOP, on a 10000-psi chart for a 5M BOP/BOPE and on a 15000-psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one-hour chart. A circular chart shall have a maximum 2-hour clock. If a twelve hour or twenty-four-hour chart is used, tester shall make a notation that it is run with a two-hour clock.

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

vi. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.

vii. The BOP/BOPE test shall include a low-pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.

viii. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per **43 CFR 3172**.

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

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

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

Approved by Zota Stevens on 1/31/2025
575-234-5998 / zstevens@blm.gov

☐ As Drilled

WELL LOCATION INFORMATION

API Number	Pool Code	Pool Name
30-015	97913	WILDCAT G-06 S253002O;BONE SPRING

Property Code	Property Name	Well Number
	POKER LAKE UNIT 30 BS	310H

ORGID No.	Operator Name	Ground Level Elevation
373075	XTO PERMIAN OPERATING, LLC.	3,366'

Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
G	30	25 S	31 E		2,435' FNL	1,919' FEL	32.101845	-103.815086	EDDY

Bottom Hole Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
O	6	26 S	31 E		10' FSL	1,500' FEL	32.064721	-103.813799	EDDY

Dedicated Acres	Infill or Defining Well	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
400	INFILL		N	U

Order Numbers.

Well setbacks are under Common Ownership: ☒ Yes ☐ No

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
G	30	25 S	31 E		2,041' FNL	1,505' FEL	32.102931	-103.813738	EDDY

First Take Point (FTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
J	30	25 S	31 E		2,557' FSL	1,500' FEL	32.100962	-103.813741	EDDY

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
O	6	26 S	31 E		100' FSL	1,500' FEL	32.064968	-103.813800	EDDY

Unitized Area or Area of Uniform Interest	Spacing Unit Type	Ground Floor Elevation:
NMNM-071016X	☒ Horizontal ☐ Vertical	3,366'

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.

Vishal Rajan 01/07/2025

Signature Date

VISHAL RAJAN

Printed Name

vishal.rajan@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.

6 Jan 2025

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

TIM C. PAPPAS NEW MEXICO 21209 PROFESSIONAL SURVEYOR

Signature and Seal of Professional Surveyor

Certificate Number	Date of Survey
TIM C. PAPPAS 21209	01/05/2025

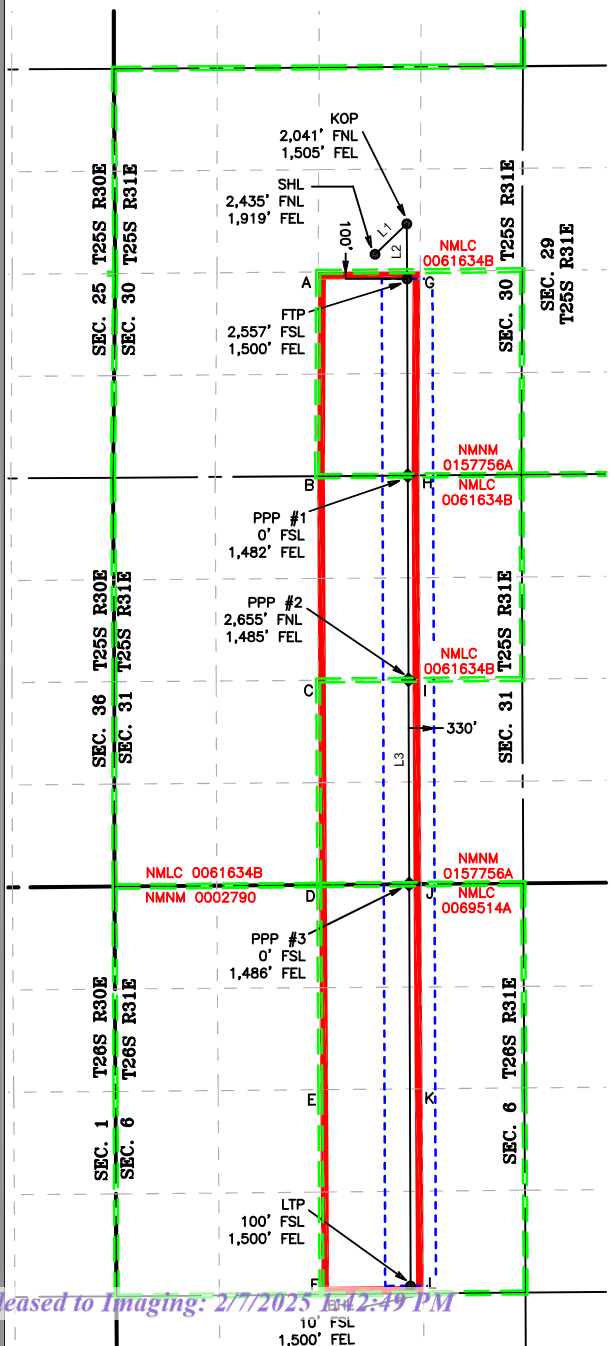
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

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

LEGEND

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

LINE TABLE		
LINE	AZIMUTH	LENGTH
L1	46° 19'00"	574.50'
L2	179° 48'08"	716.21'
L3	179° 48'08"	13,183.95'



COORDINATE TABLE					
SHL (NAD 83 NME)			LTP (NAD 83 NME)		
Y =	401,173.6	N	Y =	387,760.3	N
X =	701,811.2	E	X =	702,274.1	E
LAT. =	32.101845	°N	LAT. =	32.064968	°N
LONG. =	103.815086	°W	LONG. =	103.813800	°W
KOP (NAD 83 NME)			BHL (NAD 83 NME)		
Y =	401,570.4	N	Y =	387,670.3	N
X =	702,226.6	E	X =	702,274.6	E
LAT. =	32.102931	°N	LAT. =	32.064721	°N
LONG. =	103.813738	°W	LONG. =	103.813799	°W
FTP (NAD 83 NME)					
Y =	400,854.2	N			
X =	702,229.1	E			
LAT. =	32.100962	°N			
LONG. =	103.813741	°W			
SHL (NAD 27 NME)			LTP (NAD 27 NME)		
Y =	401,115.7	N	Y =	387,702.7	N
X =	660,625.6	E	X =	661,088.1	E
LAT. =	32.101721	°N	LAT. =	32.064843	°N
LONG. =	103.814607	°W	LONG. =	103.813322	°W
KOP (NAD 27 NME)			BHL (NAD 27 NME)		
Y =	401,512.5	N	Y =	387,612.7	N
X =	661,041.0	E	X =	661,088.6	E
LAT. =	32.102806	°N	LAT. =	32.064596	°N
LONG. =	103.813259	°W	LONG. =	103.813322	°W
FTP (NAD 27 NME)					
Y =	400,796.3	N			
X =	661,043.5	E			
LAT. =	32.100837	°N			
LONG. =	103.813262	°W			
PPP #1 (NAD 83 NME)			PPP #1 (NAD 27 NME)		
Y =	398,296.8	N	Y =	398,239.0	N
X =	702,237.9	E	X =	661,052.2	E
LAT. =	32.093932	°N	LAT. =	32.093807	°N
LONG. =	103.813753	°W	LONG. =	103.813274	°W
PPP #2 (NAD 83 NME)			PPP #2 (NAD 27 NME)		
Y =	395,641.8	N	Y =	395,584.0	N
X =	702,247.0	E	X =	661,061.2	E
LAT. =	32.086633	°N	LAT. =	32.086509	°N
LONG. =	103.813764	°W	LONG. =	103.813286	°W
PPP #3 (NAD 83 NME)			PPP #3 (NAD 27 NME)		
Y =	392,984.2	N	Y =	392,926.5	N
X =	702,256.1	E	X =	661,070.2	E
LAT. =	32.079328	°N	LAT. =	32.079203	°N
LONG. =	103.813776	°W	LONG. =	103.813299	°W

CORNER COORDINATES (NAD83 NME)					
A - Y =	400,944.7	N	A - X =	701,070.7	E
B - Y =	398,288.0	N	B - X =	701,058.4	E
C - Y =	395,633.7	N	C - X =	701,071.1	E
D - Y =	392,974.7	N	D - X =	701,083.8	E
E - Y =	390,312.1	N	E - X =	701,099.4	E
F - Y =	387,649.2	N	F - X =	701,115.0	E
G - Y =	400,955.6	N	G - X =	702,400.1	E
H - Y =	398,298.0	N	H - X =	702,389.1	E
I - Y =	395,642.9	N	I - X =	702,401.5	E
J - Y =	392,985.5	N	J - X =	702,412.9	E
K - Y =	390,323.9	N	K - X =	702,428.8	E
L - Y =	387,661.9	N	L - X =	702,444.8	E
CORNER COORDINATES (NAD27 NME)					
A - Y =	400,886.8	N	A - X =	659,885.1	E
B - Y =	398,230.2	N	B - X =	659,872.7	E
C - Y =	395,575.9	N	C - X =	659,885.4	E
D - Y =	392,917.0	N	D - X =	659,898.0	E
E - Y =	390,254.5	N	E - X =	659,913.5	E
F - Y =	387,591.6	N	F - X =	659,929.0	E
G - Y =	400,897.7	N	G - X =	661,214.5	E
H - Y =	398,240.2	N	H - X =	661,203.4	E
I - Y =	395,585.1	N	I - X =	661,215.7	E
J - Y =	392,927.8	N	J - X =	661,227.0	E
K - Y =	390,266.3	N	K - X =	661,242.8	E

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

XTO Energy Inc.
PLU 30 BS 310H
Projected TD: 24282' MD / 10659' TVD
SHL: 2435' FNL & 1919' FEL , Section 30, T25S, R31E
BHL: 10' FSL & 1500' FEL , Section 6, 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	Water/Oil/Gas
Rustler	944'	Water
Salado	1281'	Water
Base of Salt	3970'	Water
Delaware	4174'	Water/Oil/Gas
Cherry Canyon	5125'	Water/Oil/Gas
Brushy Canyon	6779'	Water/Oil/Gas
Basal Brushy Canyon	7836'	Water/Oil/Gas
Bone Spring Lm.	8063'	Water/Oil/Gas
Avalon	8202'	Water/Oil/Gas
Lower Avalon	8519'	Water/Oil/Gas
1st Bone Spring Lime	8879'	Water/Oil/Gas
1st Bone Spring Sand	9015'	Water/Oil/Gas
2nd Bone Spring Shale	9297'	Water/Oil/Gas
2nd Bone Spring Lime	9474'	Water/Oil/Gas
2nd Bone Spring Sand	9675'	Water/Oil/Gas
2nd Bone Spring T/B Carb	9997'	Water/Oil/Gas
2nd Bone Spring Sand (Lwr)	10093'	Water/Oil/Gas
3rd Bone Spring Lime	10157'	Water/Oil/Gas
Harkey	10518'	Water/Oil/Gas
3rd Bone Spring Shale	10591'	Water/Oil/Gas
3rd Shale Landing	**10659'**	**Water/Oil/Gas**
3rd Bone Spring Sand	10985'	Water/Oil/Gas

Section 2 Summary:

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

No other formations are expected to give up oil, gas or fresh water in measurable quantities.
Surface fresh water sands will be protected by setting 9-5/8" inch casing at 1256' and circulating cement back to surface.

3. Casing Design

Primary Design:

Hole Size	MD	Casing TVD	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0' – 1256'	1256'	9-5/8"	40	J55	BTC	New	10.25	4.72	4.85
8.75	0' – 9773'	9743'	7-5/8"	29.7	L80-IC	Tenaris Wedge 511	New	2.55	1.39	2.21
6.75	0' – 24282'	10659'	5-1/2"	20	P110-CY	Tenaris Wedge 461	New	1.18	2.40	1.71

Section 3 Summary:

The planned kick off point is located at: 9973' MD / 9943' TVD.

Wellhead:

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

Wellhead will be installed by manufacturer's representatives.

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

4. Cement Program

Primary Cementing

Casing	Slurry Type	No. Sacks	Density (ppg)	Yield (ft3/sack)	TOC (ft)	Casing Setting Depth (MD)	Excess (%)	Slurry Description
Surface 1	Lead	284	12.4	2.11	0	1256	100%	Surface Class C Lead Cement
Surface 1	Tail	141	14.8	1.33	956	1256	100%	Surface Class C Tail Cement
Intermediate 1	Lead				0			
Intermediate 1	Tail	181	14.8	1.45	7836	9773	35%	Intermediate Class C Tail Cement
Production 1	Lead							
Production 1	Tail	1132	13.2	1.44	9273	24282	30%	Production Class C Tail Cement

Remedial Cementing

Casing	Slurry Type	No. Sacks	Density (ppg)	Yield (ft3/sack)	Cemented Interval	Excess (%)	Slurry Description
Intermediate 1	Bradenhead Squeeze	815	14.8	1.45	0 - 7836'	50%	Intermediate Class C Bradenhead Squeeze Cement

Section 4 Summary:

*Bradenhead Squeeze 2nd Stage Offline

5. Pressure Control Equipment

Section 5 Summary:

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

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

Requested Variances

4A) Offline Cementing Variance
XOM requests the option to offline cement and remediate (if needed) surface and intermediate casing strings where batch drilling is approved and if unplanned remediation is needed. XOM will ensure well is static with no pressure on the csg annulus, as with all other casing strings where batch drilling operations occur before moving off the rig. Offline cement operations will then be conducted after the rig is moved off the current well to the next well in the batch sequence. The TA cap will also be installed when applicable per wellhead manufacturer's procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops.

5A) Break Test Variance
A break testing variance is requested to ONLY test broken pressure seals on the BOP equipment when moving from wellhead to wellhead for the intermediate hole sections which is in compliance with API Standard 53. The maximum anticipated Surface hole pressure at the deepest intermediate casing point is less than 4800psi.

5B) Flex Hose Variance
A variance is requested to allow use of a flex hose as the choke line from the BOP to the Choke Manifold. If this hose is used, a copy of the manufacturer's certification and pressure test chart will be kept on the rig. Attached is an example of a certification and pressure test chart. The manufacturer does not require anchors.

5C) 5M Annular Variance
XOM requests a variance to use a 5000 psi annular BOP with a 10,000 psi BOP stack. The component and compatibility tables attached along with the general well control plans demonstrate how the 5000 psi annular BOP will be protected from pressures that exceed its rated working pressure (RWP). The pressure at which the control of the wellbore is transferred from the annular preventer to another available preventer will not exceed 3500 psi (70% of the RWP of the 5000 psi annular BOP).

8A) Open Hole Logging Variance
Open hole logging will not be done on this well.

10A) Spudder Rig Variance
XOM requests the option to utilize a spudder rig (Atlas Copco RD20 or Equivalent) to set and cement surface casing.

10B) Batch Drilling Variance
XOM requests a variance to be able to batch drill this well. In doing so, XOM will set casing and ensure that the well is cemented properly (unless approval is given for offline cementing) and the well is static. XOM will contact the BLM to skid the rig to drill the remaining wells on the pad. Once surface and both intermediate strings are all completed, XOM will begin drilling the production hole on each of the wells.

6. Proposed Mud Circulation System

INTERVAL	Hole Size	Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)	Comments
0' – 1256'	12.25"	FW/Native	8.3 - 8.7	35-40	NC	Fresh Water or Native Water
1256' – 9773'	8.75"	BDE/OBM or FW/Brine	9.5 - 10	30-32	NC	Fluid type will be based upon on well conditions. A fully saturated system will be used across the salt interval.
9773' – 24282'	6.75"	OBM	9 - 10.7	50-60	NC - 20	

Section 6 Summary:

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

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

7. Auxiliary Well Control and Monitoring Equipment

Section 7 Summary:

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

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

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

8. Logging, Coring and Testing Program

Section 8 Summary:

Open hole logging will not be done on this well.

9. Abnormal Pressures and Temperatures / Potential Hazards

Section 9 Summary:

The estimated bottom hole temperature of 171F to 191F. No H2S is expected but monitors will be in place to detect any H2S occurrences. Should these circumstances be encountered the operator and drilling contractor are prepared to take all necessary steps to ensure safety of all personnel and environment. Lost circulation is possible throughout the well.

10. Anticipated Starting Date and Duration of Operations

Section 10 Summary:

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

Well Plan Report - Poker Lake Unit 30 BS 310H

Measured Depth:	24281.99 ft	**Site:**	B
TVD RKB:	10659.00 ft	**Slot:**	Poker Lake Unit 30 BS 310H
Location			
Cartographic Reference System:	New Mexico East - NAD 27		
Northing:	401115.70 ft		
Easting:	660625.60 ft		
RKB:	3398.00 ft		
Ground Level:	3366.00 ft		
North Reference:	Grid		
Convergence Angle:	0.28 Deg		

Plan Sections Poker Lake Unit 30 BS 310H

Measured Depth (ft)	Inclination (Deg)	Azimuth (Deg)	TVD RKB (ft)	Y Offset (ft)	X Offset (ft)	Build Rate (Deg/100ft)	Turn Rate (Deg/100ft)	Dogleg Rate (Deg/100ft)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	0.00	
1409.92	6.20	46.32	1409.31	11.57	12.11	2.00	0.00	2.00	
6420.58	6.20	46.32	6390.69	385.23	403.35	0.00	0.00	0.00	
6730.50	0.00	0.00	6700.00	396.79	415.46	-2.00	0.00	2.00	
9973.30	0.00	0.00	9942.80	396.79	415.46	0.00	0.00	0.00	
11098.30	90.00	179.80	10659.00	-319.40	417.90	8.00	0.00	8.00	FTP 7
24191.98	90.00	179.80	10659.00	-13413.00	462.50	0.00	0.00	0.00	LTP 7
24281.99	90.00	179.80	10659.00	-13503.01	462.81	0.00	0.00	0.00	BHL 7

Position Uncertainty Poker Lake Unit 30 BS 310H

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

Depth (ft)	Inclination (°)	Azimuth (°)	RKB (ft)	Error (ft)	Bias (ft)	Error (ft)	Bias (ft)	Error (ft)	Bias (ft)	of Bias (ft)	Error (ft)	Error (ft)	Azimuth (°)	Used
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MWD+IFR1+MS
100.000	0.000	0.000	100.000	0.700	0.000	0.350	0.000	2.300	0.000	0.000	0.751	0.220	112.264	MWD+IFR1+MS
200.000	0.000	0.000	200.000	1.112	0.000	0.861	0.000	2.310	0.000	0.000	1.259	0.627	122.711	MWD+IFR1+MS
300.000	0.000	0.000	300.000	1.497	0.000	1.271	0.000	2.325	0.000	0.000	1.698	0.986	125.469	MWD+IFR1+MS
400.000	0.000	0.000	400.000	1.871	0.000	1.658	0.000	2.347	0.000	0.000	2.108	1.344	126.713	MWD+IFR1+MS
500.000	0.000	0.000	500.000	2.240	0.000	2.034	0.000	2.374	0.000	0.000	2.503	1.701	127.419	MWD+IFR1+MS
600.000	0.000	0.000	600.000	2.607	0.000	2.405	0.000	2.407	0.000	0.000	2.888	2.059	127.873	MWD+IFR1+MS
700.000	0.000	0.000	700.000	2.971	0.000	2.773	0.000	2.444	0.000	0.000	3.267	2.417	128.190	MWD+IFR1+MS
800.000	0.000	0.000	800.000	3.334	0.000	3.138	0.000	2.485	0.000	0.000	3.642	2.775	128.423	MWD+IFR1+MS
900.000	0.000	0.000	900.000	3.696	0.000	3.502	0.000	2.531	0.000	0.000	4.014	3.133	128.602	MWD+IFR1+MS
1000.000	0.000	0.000	1000.000	4.058	0.000	3.865	0.000	2.581	0.000	0.000	4.384	3.491	128.744	MWD+IFR1+MS
1100.000	0.000	0.000	1100.000	4.419	0.000	4.228	0.000	2.634	0.000	0.000	4.752	3.849	128.859	MWD+IFR1+MS
1200.000	2.000	46.317	1199.980	5.275	0.000	4.231	0.000	2.691	0.000	0.000	5.281	4.226	132.851	MWD+IFR1+MS
1300.000	4.000	46.317	1299.838	6.022	0.000	4.622	0.000	2.751	0.000	0.000	6.035	4.618	-40.945	MWD+IFR1+MS
1409.919	6.198	46.317	1409.314	6.855	0.000	5.055	0.000	2.825	0.000	0.000	6.896	5.027	-37.243	MWD+IFR1+MS
1500.000	6.198	46.317	1498.869	7.225	0.000	5.396	0.000	2.886	0.000	0.000	7.274	5.357	-36.129	MWD+IFR1+MS
1600.000	6.198	46.317	1598.285	7.510	0.000	5.774	0.000	2.955	0.000	0.000	7.560	5.732	-35.597	MWD+IFR1+MS
1700.000	6.198	46.317	1697.700	7.804	0.000	6.152	0.000	3.026	0.000	0.000	7.856	6.107	-34.999	MWD+IFR1+MS
1800.000	6.198	46.317	1797.115	8.104	0.000	6.529	0.000	3.100	0.000	0.000	8.158	6.480	-34.413	MWD+IFR1+MS
1900.000	6.198	46.317	1896.531	8.409	0.000	6.905	0.000	3.177	0.000	0.000	8.465	6.853	-33.841	MWD+IFR1+MS
2000.000	6.198	46.317	1995.946	8.719	0.000	7.280	0.000	3.255	0.000	0.000	8.777	7.224	-33.282	MWD+IFR1+MS
2100.000	6.198	46.317	2095.362	9.034	0.000	7.653	0.000	3.336	0.000	0.000	9.092	7.594	-32.737	MWD+IFR1+MS
2200.000	6.198	46.317	2194.777	9.352	0.000	8.026	0.000	3.418	0.000	0.000	9.412	7.964	-32.204	MWD+IFR1+MS
2300.000	6.198	46.317	2294.192	9.673	0.000	8.398	0.000	3.502	0.000	0.000	9.735	8.332	-31.685	MWD+IFR1+MS
2400.000	6.198	46.317	2393.608	9.997	0.000	8.769	0.000	3.588	0.000	0.000	10.060	8.701	-31.180	MWD+IFR1+MS
2500.000	6.198	46.317	2493.023	10.325	0.000	9.140	0.000	3.676	0.000	0.000	10.389	9.069	-30.688	MWD+IFR1+MS
2600.000	6.198	46.317	2592.439	10.655	0.000	9.510	0.000	3.765	0.000	0.000	10.720	9.436	-30.208	MWD+IFR1+MS
2700.000	6.198	46.317	2691.854	10.987	0.000	9.880	0.000	3.855	0.000	0.000	11.053	9.803	-29.742	MWD+IFR1+MS
2800.000	6.198	46.317	2791.269	11.321	0.000	10.250	0.000	3.947	0.000	0.000	11.388	10.170	-29.288	MWD+IFR1+MS
2900.000	6.198	46.317	2890.685	11.658	0.000	10.619	0.000	4.040	0.000	0.000	11.725	10.537	-28.847	MWD+IFR1+MS
3000.000	6.198	46.317	2990.100	11.996	0.000	10.988	0.000	4.135	0.000	0.000	12.064	10.903	-28.419	MWD+IFR1+MS

3100.000	6.198	46.317	3089.516	12.335	0.000	11.356	0.000	4.231	0.000	0.000	12.404	11.270	-28.003	MWD+IFR1+MS
3200.000	6.198	46.317	3188.931	12.677	0.000	11.725	0.000	4.329	0.000	0.000	12.746	11.636	-27.598	MWD+IFR1+MS
3300.000	6.198	46.317	3288.346	13.019	0.000	12.093	0.000	4.428	0.000	0.000	13.089	12.002	-27.205	MWD+IFR1+MS
3400.000	6.198	46.317	3387.762	13.363	0.000	12.461	0.000	4.528	0.000	0.000	13.433	12.368	-26.824	MWD+IFR1+MS
3500.000	6.198	46.317	3487.177	13.708	0.000	12.828	0.000	4.630	0.000	0.000	13.778	12.733	-26.454	MWD+IFR1+MS
3600.000	6.198	46.317	3586.593	14.054	0.000	13.196	0.000	4.733	0.000	0.000	14.124	13.099	-26.095	MWD+IFR1+MS
3700.000	6.198	46.317	3686.008	14.401	0.000	13.563	0.000	4.838	0.000	0.000	14.471	13.464	-25.746	MWD+IFR1+MS
3800.000	6.198	46.317	3785.424	14.749	0.000	13.930	0.000	4.944	0.000	0.000	14.819	13.830	-25.408	MWD+IFR1+MS
3900.000	6.198	46.317	3884.839	15.098	0.000	14.297	0.000	5.052	0.000	0.000	15.168	14.195	-25.081	MWD+IFR1+MS
4000.000	6.198	46.317	3984.254	15.448	0.000	14.664	0.000	5.161	0.000	0.000	15.518	14.561	-24.763	MWD+IFR1+MS
4100.000	6.198	46.317	4083.670	15.799	0.000	15.031	0.000	5.271	0.000	0.000	15.868	14.926	-24.455	MWD+IFR1+MS
4200.000	6.198	46.317	4183.085	16.150	0.000	15.398	0.000	5.383	0.000	0.000	16.218	15.291	-24.156	MWD+IFR1+MS
4300.000	6.198	46.317	4282.501	16.502	0.000	15.764	0.000	5.497	0.000	0.000	16.570	15.657	-23.867	MWD+IFR1+MS
4400.000	6.198	46.317	4381.916	16.854	0.000	16.131	0.000	5.612	0.000	0.000	16.922	16.022	-23.587	MWD+IFR1+MS
4500.000	6.198	46.317	4481.331	17.207	0.000	16.497	0.000	5.729	0.000	0.000	17.274	16.387	-23.315	MWD+IFR1+MS
4600.000	6.198	46.317	4580.747	17.561	0.000	16.863	0.000	5.847	0.000	0.000	17.627	16.752	-23.052	MWD+IFR1+MS
4700.000	6.198	46.317	4680.162	17.915	0.000	17.230	0.000	5.967	0.000	0.000	17.981	17.118	-22.797	MWD+IFR1+MS
4800.000	6.198	46.317	4779.578	18.270	0.000	17.596	0.000	6.089	0.000	0.000	18.334	17.483	-22.551	MWD+IFR1+MS
4900.000	6.198	46.317	4878.993	18.625	0.000	17.962	0.000	6.213	0.000	0.000	18.689	17.848	-22.312	MWD+IFR1+MS
5000.000	6.198	46.317	4978.408	18.981	0.000	18.328	0.000	6.338	0.000	0.000	19.043	18.213	-22.081	MWD+IFR1+MS
5100.000	6.198	46.317	5077.824	19.337	0.000	18.694	0.000	6.465	0.000	0.000	19.398	18.578	-21.857	MWD+IFR1+MS
5200.000	6.198	46.317	5177.239	19.693	0.000	19.060	0.000	6.594	0.000	0.000	19.753	18.944	-21.641	MWD+IFR1+MS
5300.000	6.198	46.317	5276.655	20.050	0.000	19.426	0.000	6.725	0.000	0.000	20.109	19.309	-21.432	MWD+IFR1+MS
5400.000	6.198	46.317	5376.070	20.407	0.000	19.791	0.000	6.858	0.000	0.000	20.465	19.674	-21.230	MWD+IFR1+MS
5500.000	6.198	46.317	5475.485	20.764	0.000	20.157	0.000	6.993	0.000	0.000	20.821	20.039	-21.035	MWD+IFR1+MS
5600.000	6.198	46.317	5574.901	21.122	0.000	20.523	0.000	7.129	0.000	0.000	21.177	20.405	-20.846	MWD+IFR1+MS
5700.000	6.198	46.317	5674.316	21.480	0.000	20.889	0.000	7.268	0.000	0.000	21.534	20.770	-20.664	MWD+IFR1+MS
5800.000	6.198	46.317	5773.732	21.838	0.000	21.254	0.000	7.409	0.000	0.000	21.891	21.135	-20.488	MWD+IFR1+MS
5900.000	6.198	46.317	5873.147	22.197	0.000	21.620	0.000	7.552	0.000	0.000	22.248	21.501	-20.318	MWD+IFR1+MS
6000.000	6.198	46.317	5972.562	22.556	0.000	21.985	0.000	7.697	0.000	0.000	22.605	21.866	-20.155	MWD+IFR1+MS
6100.000	6.198	46.317	6071.978	22.915	0.000	22.351	0.000	7.844	0.000	0.000	22.963	22.231	-19.997	MWD+IFR1+MS
6200.000	6.198	46.317	6171.393	23.274	0.000	22.716	0.000	7.993	0.000	0.000	23.321	22.596	-19.845	MWD+IFR1+MS
6300.000	6.198	46.317	6270.809	23.634	0.000	23.082	0.000	8.144	0.000	0.000	23.679	22.962	-19.699	MWD+IFR1+MS

6400.000	6.198	46.317	6370.224	23.994	0.000	23.447	0.000	8.298	0.000	0.000	24.037	23.327	-19.558	MWD+IFR1+MS
6420.582	6.198	46.317	6390.686	24.066	0.000	23.521	0.000	8.330	0.000	0.000	24.108	23.402	-19.609	MWD+IFR1+MS
6500.000	4.610	46.317	6469.748	24.362	0.000	23.805	0.000	8.454	0.000	0.000	24.395	23.689	-19.953	MWD+IFR1+MS
6600.000	2.610	46.317	6569.545	24.780	0.000	24.164	0.000	8.611	0.000	0.000	24.828	24.049	-21.284	MWD+IFR1+MS
6700.000	0.610	46.317	6669.500	25.185	0.000	24.519	0.000	8.766	0.000	0.000	25.279	24.403	-22.511	MWD+IFR1+MS
6730.500	0.000	0.000	6700.000	24.641	0.000	25.256	0.000	8.813	0.000	0.000	25.384	24.510	-22.630	MWD+IFR1+MS
6800.000	0.000	0.000	6769.500	24.885	0.000	25.488	0.000	8.921	0.000	0.000	25.616	24.753	-22.841	MWD+IFR1+MS
6900.000	0.000	0.000	6869.500	25.237	0.000	25.825	0.000	9.078	0.000	0.000	25.955	25.103	-23.201	MWD+IFR1+MS
7000.000	0.000	0.000	6969.500	25.591	0.000	26.164	0.000	9.237	0.000	0.000	26.298	25.453	-23.651	MWD+IFR1+MS
7100.000	0.000	0.000	7069.500	25.945	0.000	26.504	0.000	9.399	0.000	0.000	26.642	25.803	-24.095	MWD+IFR1+MS
7200.000	0.000	0.000	7169.500	26.299	0.000	26.845	0.000	9.564	0.000	0.000	26.987	26.154	-24.535	MWD+IFR1+MS
7300.000	0.000	0.000	7269.500	26.653	0.000	27.186	0.000	9.731	0.000	0.000	27.331	26.504	-24.969	MWD+IFR1+MS
7400.000	0.000	0.000	7369.500	27.008	0.000	27.527	0.000	9.901	0.000	0.000	27.677	26.855	-25.398	MWD+IFR1+MS
7500.000	0.000	0.000	7469.500	27.362	0.000	27.869	0.000	10.074	0.000	0.000	28.022	27.206	-25.822	MWD+IFR1+MS
7600.000	0.000	0.000	7569.500	27.717	0.000	28.211	0.000	10.249	0.000	0.000	28.368	27.556	-26.240	MWD+IFR1+MS
7700.000	0.000	0.000	7669.500	28.072	0.000	28.554	0.000	10.428	0.000	0.000	28.715	27.907	-26.653	MWD+IFR1+MS
7800.000	0.000	0.000	7769.500	28.427	0.000	28.897	0.000	10.609	0.000	0.000	29.061	28.259	-27.060	MWD+IFR1+MS
7900.000	0.000	0.000	7869.500	28.781	0.000	29.240	0.000	10.792	0.000	0.000	29.408	28.610	-27.461	MWD+IFR1+MS
8000.000	0.000	0.000	7969.500	29.136	0.000	29.584	0.000	10.979	0.000	0.000	29.756	28.961	-27.857	MWD+IFR1+MS
8100.000	0.000	0.000	8069.500	29.492	0.000	29.928	0.000	11.168	0.000	0.000	30.104	29.312	-28.247	MWD+IFR1+MS
8200.000	0.000	0.000	8169.500	29.847	0.000	30.273	0.000	11.361	0.000	0.000	30.452	29.664	-28.631	MWD+IFR1+MS
8300.000	0.000	0.000	8269.500	30.202	0.000	30.618	0.000	11.556	0.000	0.000	30.800	30.016	-29.010	MWD+IFR1+MS
8400.000	0.000	0.000	8369.500	30.557	0.000	30.963	0.000	11.753	0.000	0.000	31.149	30.367	-29.383	MWD+IFR1+MS
8500.000	0.000	0.000	8469.500	30.913	0.000	31.308	0.000	11.954	0.000	0.000	31.498	30.719	-29.750	MWD+IFR1+MS
8600.000	0.000	0.000	8569.500	31.268	0.000	31.654	0.000	12.158	0.000	0.000	31.847	31.071	-30.112	MWD+IFR1+MS
8700.000	0.000	0.000	8669.500	31.624	0.000	32.000	0.000	12.364	0.000	0.000	32.197	31.423	-30.468	MWD+IFR1+MS
8800.000	0.000	0.000	8769.500	31.979	0.000	32.346	0.000	12.574	0.000	0.000	32.547	31.775	-30.818	MWD+IFR1+MS
8900.000	0.000	0.000	8869.500	32.335	0.000	32.692	0.000	12.786	0.000	0.000	32.897	32.127	-31.162	MWD+IFR1+MS
9000.000	0.000	0.000	8969.500	32.691	0.000	33.039	0.000	13.001	0.000	0.000	33.247	32.479	-31.501	MWD+IFR1+MS
9100.000	0.000	0.000	9069.500	33.046	0.000	33.386	0.000	13.220	0.000	0.000	33.598	32.832	-31.835	MWD+IFR1+MS
9200.000	0.000	0.000	9169.500	33.402	0.000	33.733	0.000	13.441	0.000	0.000	33.948	33.184	-32.163	MWD+IFR1+MS
9300.000	0.000	0.000	9269.500	33.758	0.000	34.081	0.000	13.665	0.000	0.000	34.299	33.536	-32.485	MWD+IFR1+MS
9400.000	0.000	0.000	9369.500	34.114	0.000	34.429	0.000	13.892	0.000	0.000	34.650	33.889	-32.802	MWD+IFR1+MS

9500.000	0.000	0.000	9469.500	34.470	0.000	34.777	0.000	14.122	0.000	0.000	35.002	34.242	-33.114	MWD+IFR1+MS
9600.000	0.000	0.000	9569.500	34.826	0.000	35.125	0.000	14.355	0.000	0.000	35.353	34.594	-33.420	MWD+IFR1+MS
9700.000	0.000	0.000	9669.500	35.182	0.000	35.473	0.000	14.591	0.000	0.000	35.705	34.947	-33.721	MWD+IFR1+MS
9800.000	0.000	0.000	9769.500	35.538	0.000	35.822	0.000	14.830	0.000	0.000	36.057	35.300	-34.017	MWD+IFR1+MS
9900.000	0.000	0.000	9869.500	35.895	0.000	36.170	0.000	15.072	0.000	0.000	36.409	35.653	-34.308	MWD+IFR1+MS
9973.303	0.000	0.000	9942.803	36.154	0.000	36.424	0.000	15.251	0.000	0.000	36.664	35.911	-34.474	MWD+IFR1+MS
10000.000	2.136	179.805	9969.493	36.174	0.000	36.515	-0.000	15.316	0.000	0.000	36.751	36.002	-34.519	MWD+IFR1+MS
10100.000	10.136	179.805	10068.840	36.344	0.000	36.823	-0.000	15.581	0.000	0.000	37.300	36.531	127.707	MWD+IFR1+MS
10200.000	18.136	179.805	10165.733	36.647	0.000	37.119	-0.000	15.970	0.000	0.000	38.505	36.980	107.172	MWD+IFR1+MS
10300.000	26.136	179.805	10258.287	36.401	0.000	37.395	-0.000	16.554	0.000	0.000	39.674	37.286	101.956	MWD+IFR1+MS
10400.000	34.136	179.805	10344.701	35.671	0.000	37.650	-0.000	17.380	0.000	0.000	40.681	37.549	99.961	MWD+IFR1+MS
10500.000	42.136	179.805	10423.292	34.543	0.000	37.883	-0.000	18.462	0.000	0.000	41.504	37.782	99.077	MWD+IFR1+MS
10600.000	50.136	179.805	10492.531	33.135	0.000	38.093	-0.000	19.781	0.000	0.000	42.138	37.988	98.735	MWD+IFR1+MS
10700.000	58.136	179.805	10551.070	31.597	0.000	38.281	-0.000	21.295	0.000	0.000	42.594	38.169	98.723	MWD+IFR1+MS
10800.000	66.136	179.805	10597.770	30.116	0.000	38.446	-0.000	22.949	0.000	0.000	42.890	38.324	98.940	MWD+IFR1+MS
10900.000	74.136	179.805	10631.721	28.904	0.000	38.588	-0.000	24.681	0.000	0.000	43.056	38.455	99.323	MWD+IFR1+MS
11000.000	82.136	179.805	10652.264	28.180	0.000	38.707	-0.000	26.432	0.000	0.000	43.130	38.561	99.808	MWD+IFR1+MS
11098.303	90.000	179.805	10659.000	28.065	0.000	38.800	-0.000	28.065	0.000	0.000	43.154	38.642	100.297	MWD+IFR1+MS
11100.000	90.000	179.805	10659.000	28.068	0.000	38.801	-0.000	28.068	0.000	0.000	43.155	38.643	100.303	MWD+IFR1+MS
11200.000	90.000	179.805	10659.000	28.217	0.000	38.891	-0.000	28.217	0.000	0.000	43.170	38.720	100.795	MWD+IFR1+MS
11300.000	90.000	179.805	10659.000	28.392	0.000	39.004	-0.000	28.392	0.000	0.000	43.188	38.819	101.354	MWD+IFR1+MS
11400.000	90.000	179.805	10659.000	28.588	0.000	39.136	-0.000	28.588	0.000	0.000	43.207	38.936	101.983	MWD+IFR1+MS
11500.000	90.000	179.805	10659.000	28.803	0.000	39.288	-0.000	28.803	0.000	0.000	43.230	39.070	102.693	MWD+IFR1+MS
11600.000	90.000	179.805	10659.000	29.039	0.000	39.459	-0.000	29.039	0.000	0.000	43.255	39.222	103.498	MWD+IFR1+MS
11700.000	90.000	179.805	10659.000	29.293	0.000	39.648	-0.000	29.293	0.000	0.000	43.283	39.389	104.416	MWD+IFR1+MS
11800.000	90.000	179.805	10659.000	29.566	0.000	39.856	-0.000	29.566	0.000	0.000	43.315	39.572	105.468	MWD+IFR1+MS
11900.000	90.000	179.805	10659.000	29.857	0.000	40.083	-0.000	29.857	0.000	0.000	43.351	39.768	106.680	MWD+IFR1+MS
12000.000	90.000	179.805	10659.000	30.166	0.000	40.327	-0.000	30.166	0.000	0.000	43.394	39.978	108.085	MWD+IFR1+MS
12100.000	90.000	179.805	10659.000	30.492	0.000	40.589	-0.000	30.492	0.000	0.000	43.443	40.199	109.723	MWD+IFR1+MS
12200.000	90.000	179.805	10659.000	30.834	0.000	40.868	-0.000	30.834	0.000	0.000	43.500	40.430	111.639	MWD+IFR1+MS
12300.000	90.000	179.805	10659.000	31.192	0.000	41.165	-0.000	31.192	0.000	0.000	43.568	40.667	113.889	MWD+IFR1+MS
12400.000	90.000	179.805	10659.000	31.566	0.000	41.478	-0.000	31.566	0.000	0.000	43.650	40.909	116.529	MWD+IFR1+MS
12500.000	90.000	179.805	10659.000	31.955	0.000	41.807	-0.000	31.955	0.000	0.000	43.749	41.149	119.611	MWD+IFR1+MS

12600.000	90.000	179.805	10659.000	32.358	0.000	42.152	-0.000	32.358	0.000	0.000	43.869	41.385	123.162	MWD+IFR1+MS
12700.000	90.000	179.805	10659.000	32.775	0.000	42.512	-0.000	32.775	0.000	0.000	44.016	41.611	127.163	MWD+IFR1+MS
12800.000	90.000	179.805	10659.000	33.205	0.000	42.888	-0.000	33.205	0.000	0.000	44.194	41.820	131.518	MWD+IFR1+MS
12900.000	90.000	179.805	10659.000	33.648	0.000	43.278	-0.000	33.648	0.000	0.000	44.407	42.010	-43.943	MWD+IFR1+MS
13000.000	90.000	179.805	10659.000	34.103	0.000	43.682	-0.000	34.103	0.000	0.000	44.658	42.177	-39.442	MWD+IFR1+MS
13100.000	90.000	179.805	10659.000	34.570	0.000	44.100	-0.000	34.570	0.000	0.000	44.947	42.321	-35.189	MWD+IFR1+MS
13200.000	90.000	179.805	10659.000	35.049	0.000	44.532	-0.000	35.049	0.000	0.000	45.270	42.444	-31.332	MWD+IFR1+MS
13300.000	90.000	179.805	10659.000	35.538	0.000	44.977	-0.000	35.538	0.000	0.000	45.626	42.548	-27.937	MWD+IFR1+MS
13400.000	90.000	179.805	10659.000	36.038	0.000	45.435	-0.000	36.038	0.000	0.000	46.010	42.637	-25.004	MWD+IFR1+MS
13500.000	90.000	179.805	10659.000	36.548	0.000	45.904	-0.000	36.548	0.000	0.000	46.420	42.714	-22.496	MWD+IFR1+MS
13600.000	90.000	179.805	10659.000	37.067	0.000	46.386	-0.000	37.067	0.000	0.000	46.851	42.782	-20.359	MWD+IFR1+MS
13700.000	90.000	179.805	10659.000	37.596	0.000	46.880	-0.000	37.596	0.000	0.000	47.303	42.841	-18.534	MWD+IFR1+MS
13800.000	90.000	179.805	10659.000	38.134	0.000	47.385	-0.000	38.134	0.000	0.000	47.772	42.895	-16.971	MWD+IFR1+MS
13900.000	90.000	179.805	10659.000	38.680	0.000	47.900	-0.000	38.680	0.000	0.000	48.257	42.944	-15.625	MWD+IFR1+MS
14000.000	90.000	179.805	10659.000	39.234	0.000	48.426	-0.000	39.234	0.000	0.000	48.757	42.990	-14.458	MWD+IFR1+MS
14100.000	90.000	179.805	10659.000	39.795	0.000	48.963	-0.000	39.795	0.000	0.000	49.270	43.033	-13.441	MWD+IFR1+MS
14200.000	90.000	179.805	10659.000	40.365	0.000	49.509	-0.000	40.365	0.000	0.000	49.797	43.073	-12.548	MWD+IFR1+MS
14300.000	90.000	179.805	10659.000	40.941	0.000	50.065	-0.000	40.941	0.000	0.000	50.335	43.112	-11.760	MWD+IFR1+MS
14400.000	90.000	179.805	10659.000	41.524	0.000	50.630	-0.000	41.524	0.000	0.000	50.884	43.149	-11.060	MWD+IFR1+MS
14500.000	90.000	179.805	10659.000	42.114	0.000	51.203	-0.000	42.114	0.000	0.000	51.444	43.185	-10.435	MWD+IFR1+MS
14600.000	90.000	179.805	10659.000	42.710	0.000	51.786	-0.000	42.710	0.000	0.000	52.014	43.221	-9.874	MWD+IFR1+MS
14700.000	90.000	179.805	10659.000	43.312	0.000	52.377	-0.000	43.312	0.000	0.000	52.593	43.255	-9.369	MWD+IFR1+MS
14800.000	90.000	179.805	10659.000	43.920	0.000	52.976	-0.000	43.920	0.000	0.000	53.182	43.290	-8.911	MWD+IFR1+MS
14900.000	90.000	179.805	10659.000	44.533	0.000	53.582	-0.000	44.533	0.000	0.000	53.779	43.324	-8.495	MWD+IFR1+MS
15000.000	90.000	179.805	10659.000	45.152	0.000	54.196	-0.000	45.152	0.000	0.000	54.385	43.357	-8.115	MWD+IFR1+MS
15100.000	90.000	179.805	10659.000	45.776	0.000	54.818	-0.000	45.776	0.000	0.000	54.998	43.391	-7.767	MWD+IFR1+MS
15200.000	90.000	179.805	10659.000	46.404	0.000	55.446	-0.000	46.404	0.000	0.000	55.620	43.424	-7.447	MWD+IFR1+MS
15300.000	90.000	179.805	10659.000	47.038	0.000	56.082	-0.000	47.038	0.000	0.000	56.248	43.458	-7.152	MWD+IFR1+MS
15400.000	90.000	179.805	10659.000	47.675	0.000	56.723	-0.000	47.675	0.000	0.000	56.884	43.492	-6.880	MWD+IFR1+MS
15500.000	90.000	179.805	10659.000	48.318	0.000	57.372	-0.000	48.318	0.000	0.000	57.526	43.525	-6.627	MWD+IFR1+MS
15600.000	90.000	179.805	10659.000	48.964	0.000	58.026	-0.000	48.964	0.000	0.000	58.175	43.559	-6.392	MWD+IFR1+MS
15700.000	90.000	179.805	10659.000	49.614	0.000	58.686	-0.000	49.614	0.000	0.000	58.830	43.593	-6.173	MWD+IFR1+MS
15800.000	90.000	179.805	10659.000	50.268	0.000	59.352	-0.000	50.268	0.000	0.000	59.491	43.628	-5.968	MWD+IFR1+MS

15900.000	90.000	179.805	10659.000	50.926	0.000	60.024	-0.000	50.926	0.000	0.000	60.158	43.662	-5.777	MWD+IFR1+MS
16000.000	90.000	179.805	10659.000	51.588	0.000	60.700	-0.000	51.588	0.000	0.000	60.831	43.697	-5.597	MWD+IFR1+MS
16100.000	90.000	179.805	10659.000	52.252	0.000	61.382	-0.000	52.252	0.000	0.000	61.509	43.733	-5.429	MWD+IFR1+MS
16200.000	90.000	179.805	10659.000	52.920	0.000	62.069	-0.000	52.920	0.000	0.000	62.192	43.768	-5.270	MWD+IFR1+MS
16300.000	90.000	179.805	10659.000	53.592	0.000	62.761	-0.000	53.592	0.000	0.000	62.881	43.804	-5.121	MWD+IFR1+MS
16400.000	90.000	179.805	10659.000	54.266	0.000	63.458	-0.000	54.266	0.000	0.000	63.574	43.841	-4.979	MWD+IFR1+MS
16500.000	90.000	179.805	10659.000	54.943	0.000	64.159	-0.000	54.943	0.000	0.000	64.272	43.877	-4.846	MWD+IFR1+MS
16600.000	90.000	179.805	10659.000	55.623	0.000	64.864	-0.000	55.623	0.000	0.000	64.974	43.914	-4.719	MWD+IFR1+MS
16700.000	90.000	179.805	10659.000	56.306	0.000	65.574	-0.000	56.306	0.000	0.000	65.681	43.952	-4.599	MWD+IFR1+MS
16800.000	90.000	179.805	10659.000	56.992	0.000	66.288	-0.000	56.992	0.000	0.000	66.392	43.990	-4.486	MWD+IFR1+MS
16900.000	90.000	179.805	10659.000	57.680	0.000	67.006	-0.000	57.680	0.000	0.000	67.107	44.028	-4.377	MWD+IFR1+MS
17000.000	90.000	179.805	10659.000	58.370	0.000	67.727	-0.000	58.370	0.000	0.000	67.827	44.067	-4.274	MWD+IFR1+MS
17100.000	90.000	179.805	10659.000	59.063	0.000	68.453	-0.000	59.063	0.000	0.000	68.549	44.106	-4.176	MWD+IFR1+MS
17200.000	90.000	179.805	10659.000	59.758	0.000	69.182	-0.000	59.758	0.000	0.000	69.276	44.145	-4.082	MWD+IFR1+MS
17300.000	90.000	179.805	10659.000	60.455	0.000	69.914	-0.000	60.455	0.000	0.000	70.006	44.185	-3.993	MWD+IFR1+MS
17400.000	90.000	179.805	10659.000	61.154	0.000	70.650	-0.000	61.154	0.000	0.000	70.740	44.226	-3.907	MWD+IFR1+MS
17500.000	90.000	179.805	10659.000	61.856	0.000	71.389	-0.000	61.856	0.000	0.000	71.477	44.267	-3.825	MWD+IFR1+MS
17600.000	90.000	179.805	10659.000	62.559	0.000	72.131	-0.000	62.559	0.000	0.000	72.218	44.308	-3.747	MWD+IFR1+MS
17700.000	90.000	179.805	10659.000	63.264	0.000	72.877	-0.000	63.264	0.000	0.000	72.961	44.350	-3.672	MWD+IFR1+MS
17800.000	90.000	179.805	10659.000	63.971	0.000	73.625	-0.000	63.971	0.000	0.000	73.708	44.392	-3.600	MWD+IFR1+MS
17900.000	90.000	179.805	10659.000	64.680	0.000	74.376	-0.000	64.680	0.000	0.000	74.457	44.435	-3.531	MWD+IFR1+MS
18000.000	90.000	179.805	10659.000	65.391	0.000	75.130	-0.000	65.391	0.000	0.000	75.210	44.478	-3.464	MWD+IFR1+MS
18100.000	90.000	179.805	10659.000	66.103	0.000	75.887	-0.000	66.103	0.000	0.000	75.965	44.522	-3.400	MWD+IFR1+MS
18200.000	90.000	179.805	10659.000	66.817	0.000	76.647	-0.000	66.817	0.000	0.000	76.723	44.566	-3.338	MWD+IFR1+MS
18300.000	90.000	179.805	10659.000	67.533	0.000	77.409	-0.000	67.533	0.000	0.000	77.484	44.610	-3.279	MWD+IFR1+MS
18400.000	90.000	179.805	10659.000	68.250	0.000	78.173	-0.000	68.250	0.000	0.000	78.247	44.656	-3.222	MWD+IFR1+MS
18500.000	90.000	179.805	10659.000	68.969	0.000	78.940	-0.000	68.969	0.000	0.000	79.012	44.701	-3.167	MWD+IFR1+MS
18600.000	90.000	179.805	10659.000	69.689	0.000	79.709	-0.000	69.689	0.000	0.000	79.780	44.747	-3.114	MWD+IFR1+MS
18700.000	90.000	179.805	10659.000	70.410	0.000	80.481	-0.000	70.410	0.000	0.000	80.551	44.793	-3.063	MWD+IFR1+MS
18800.000	90.000	179.805	10659.000	71.133	0.000	81.255	-0.000	71.133	0.000	0.000	81.323	44.840	-3.013	MWD+IFR1+MS
18900.000	90.000	179.805	10659.000	71.857	0.000	82.031	-0.000	71.857	0.000	0.000	82.098	44.888	-2.965	MWD+IFR1+MS
19000.000	90.000	179.805	10659.000	72.582	0.000	82.809	-0.000	72.582	0.000	0.000	82.875	44.936	-2.919	MWD+IFR1+MS
19100.000	90.000	179.805	10659.000	73.308	0.000	83.589	-0.000	73.308	0.000	0.000	83.654	44.984	-2.874	MWD+IFR1+MS

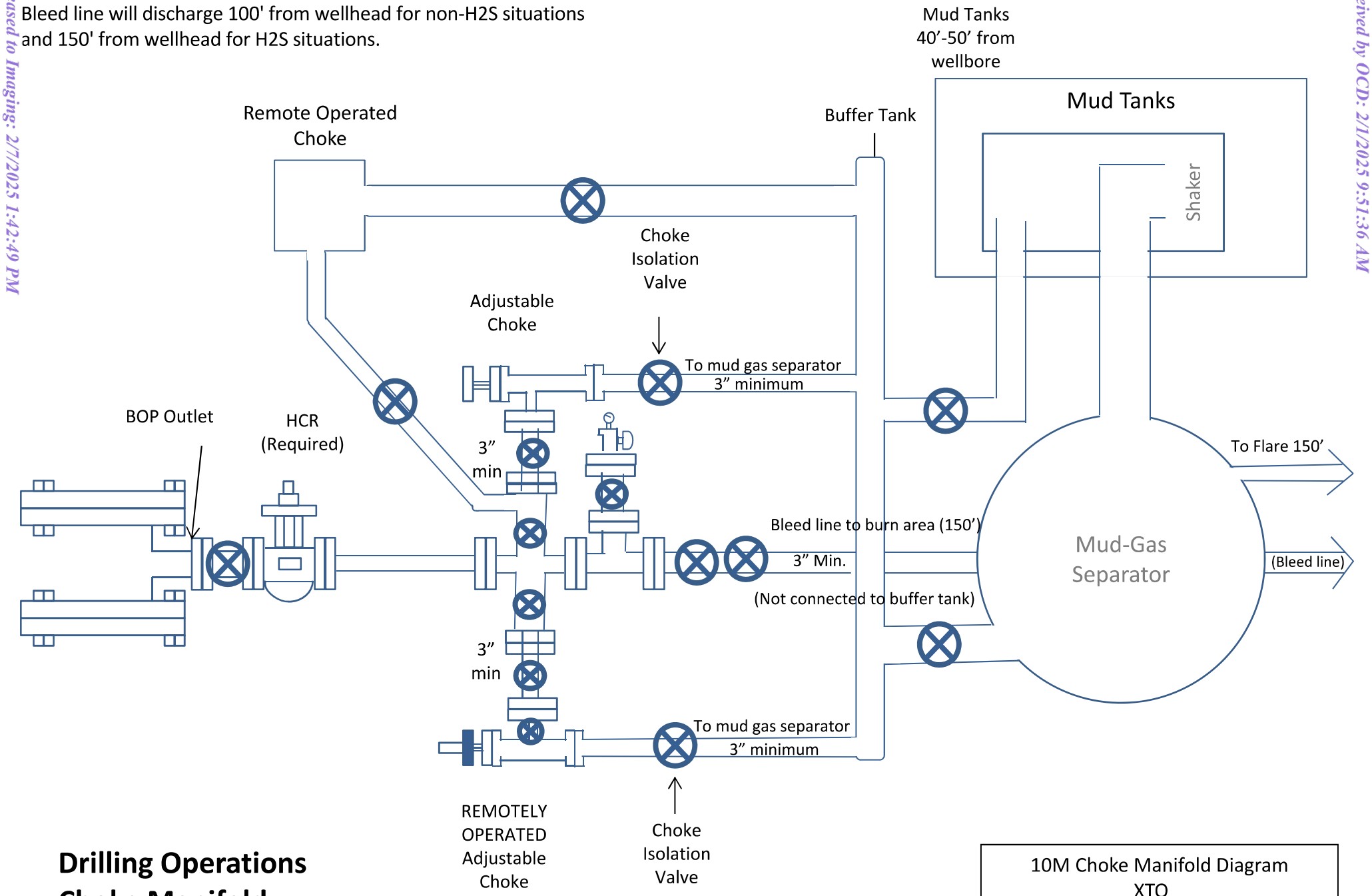
19200.000	90.000	179.805	10659.000	74.036	0.000	84.371	-0.000	74.036	0.000	0.000	84.435	45.033	-2.831	MWD+IFR1+MS
19300.000	90.000	179.805	10659.000	74.765	0.000	85.155	-0.000	74.765	0.000	0.000	85.218	45.082	-2.789	MWD+IFR1+MS
19400.000	90.000	179.805	10659.000	75.495	0.000	85.941	-0.000	75.495	0.000	0.000	86.003	45.132	-2.748	MWD+IFR1+MS
19500.000	90.000	179.805	10659.000	76.226	0.000	86.729	-0.000	76.226	0.000	0.000	86.789	45.182	-2.708	MWD+IFR1+MS
19600.000	90.000	179.805	10659.000	76.958	0.000	87.518	-0.000	76.958	0.000	0.000	87.578	45.233	-2.670	MWD+IFR1+MS
19700.000	90.000	179.805	10659.000	77.691	0.000	88.309	-0.000	77.691	0.000	0.000	88.368	45.284	-2.633	MWD+IFR1+MS
19800.000	90.000	179.805	10659.000	78.425	0.000	89.102	-0.000	78.425	0.000	0.000	89.160	45.335	-2.597	MWD+IFR1+MS
19900.000	90.000	179.805	10659.000	79.160	0.000	89.897	-0.000	79.160	0.000	0.000	89.954	45.387	-2.562	MWD+IFR1+MS
20000.000	90.000	179.805	10659.000	79.896	0.000	90.693	-0.000	79.896	0.000	0.000	90.749	45.440	-2.528	MWD+IFR1+MS
20100.000	90.000	179.805	10659.000	80.633	0.000	91.491	-0.000	80.633	0.000	0.000	91.546	45.493	-2.495	MWD+IFR1+MS
20200.000	90.000	179.805	10659.000	81.371	0.000	92.290	-0.000	81.371	0.000	0.000	92.344	45.547	-2.462	MWD+IFR1+MS
20300.000	90.000	179.805	10659.000	82.110	0.000	93.090	-0.000	82.110	0.000	0.000	93.144	45.600	-2.431	MWD+IFR1+MS
20400.000	90.000	179.805	10659.000	82.849	0.000	93.892	-0.000	82.849	0.000	0.000	93.946	45.655	-2.401	MWD+IFR1+MS
20500.000	90.000	179.805	10659.000	83.590	0.000	94.696	-0.000	83.590	0.000	0.000	94.748	45.710	-2.371	MWD+IFR1+MS
20600.000	90.000	179.805	10659.000	84.331	0.000	95.501	-0.000	84.331	0.000	0.000	95.552	45.765	-2.342	MWD+IFR1+MS
20700.000	90.000	179.805	10659.000	85.073	0.000	96.307	-0.000	85.073	0.000	0.000	96.358	45.821	-2.314	MWD+IFR1+MS
20800.000	90.000	179.805	10659.000	85.816	0.000	97.114	-0.000	85.816	0.000	0.000	97.165	45.877	-2.286	MWD+IFR1+MS
20900.000	90.000	179.805	10659.000	86.559	0.000	97.923	-0.000	86.559	0.000	0.000	97.973	45.934	-2.260	MWD+IFR1+MS
21000.000	90.000	179.805	10659.000	87.304	0.000	98.733	-0.000	87.304	0.000	0.000	98.782	45.991	-2.234	MWD+IFR1+MS
21100.000	90.000	179.805	10659.000	88.048	0.000	99.544	-0.000	88.048	0.000	0.000	99.593	46.048	-2.208	MWD+IFR1+MS
21200.000	90.000	179.805	10659.000	88.794	0.000	100.357	-0.000	88.794	0.000	0.000	100.404	46.107	-2.183	MWD+IFR1+MS
21300.000	90.000	179.805	10659.000	89.540	0.000	101.170	-0.000	89.540	0.000	0.000	101.217	46.165	-2.159	MWD+IFR1+MS
21400.000	90.000	179.805	10659.000	90.287	0.000	101.985	-0.000	90.287	0.000	0.000	102.031	46.224	-2.136	MWD+IFR1+MS
21500.000	90.000	179.805	10659.000	91.035	0.000	102.800	-0.000	91.035	0.000	0.000	102.846	46.283	-2.113	MWD+IFR1+MS
21600.000	90.000	179.805	10659.000	91.783	0.000	103.617	-0.000	91.783	0.000	0.000	103.663	46.343	-2.090	MWD+IFR1+MS
21700.000	90.000	179.805	10659.000	92.532	0.000	104.435	-0.000	92.532	0.000	0.000	104.480	46.404	-2.068	MWD+IFR1+MS
21800.000	90.000	179.805	10659.000	93.281	0.000	105.254	-0.000	93.281	0.000	0.000	105.298	46.464	-2.046	MWD+IFR1+MS
21900.000	90.000	179.805	10659.000	94.031	0.000	106.074	-0.000	94.031	0.000	0.000	106.117	46.526	-2.025	MWD+IFR1+MS
22000.000	90.000	179.805	10659.000	94.782	0.000	106.894	-0.000	94.782	0.000	0.000	106.938	46.587	-2.005	MWD+IFR1+MS
22100.000	90.000	179.805	10659.000	95.533	0.000	107.716	-0.000	95.533	0.000	0.000	107.759	46.649	-1.985	MWD+IFR1+MS
22200.000	90.000	179.805	10659.000	96.284	0.000	108.539	-0.000	96.284	0.000	0.000	108.581	46.712	-1.965	MWD+IFR1+MS
22300.000	90.000	179.805	10659.000	97.037	0.000	109.362	-0.000	97.037	0.000	0.000	109.404	46.775	-1.946	MWD+IFR1+MS
22400.000	90.000	179.805	10659.000	97.789	0.000	110.187	-0.000	97.789	0.000	0.000	110.228	46.838	-1.927	MWD+IFR1+MS

22500.000	90.000	179.805	10659.000	98.542	0.000	111.012	-0.000	98.542	0.000	0.000	111.053	46.902	-1.909	MWD+IFR1+MS
22600.000	90.000	179.805	10659.000	99.296	0.000	111.838	-0.000	99.296	0.000	0.000	111.879	46.966	-1.890	MWD+IFR1+MS
22700.000	90.000	179.805	10659.000	100.050	0.000	112.665	-0.000	100.050	0.000	0.000	112.705	47.031	-1.873	MWD+IFR1+MS
22800.000	90.000	179.805	10659.000	100.805	0.000	113.493	-0.000	100.805	0.000	0.000	113.532	47.096	-1.855	MWD+IFR1+MS
22900.000	90.000	179.805	10659.000	101.560	0.000	114.322	-0.000	101.560	0.000	0.000	114.361	47.162	-1.838	MWD+IFR1+MS
23000.000	90.000	179.805	10659.000	102.315	0.000	115.151	-0.000	102.315	0.000	0.000	115.190	47.227	-1.822	MWD+IFR1+MS
23100.000	90.000	179.805	10659.000	103.071	0.000	115.981	-0.000	103.071	0.000	0.000	116.019	47.294	-1.806	MWD+IFR1+MS
23200.000	90.000	179.805	10659.000	103.828	0.000	116.812	-0.000	103.828	0.000	0.000	116.850	47.361	-1.790	MWD+IFR1+MS
23300.000	90.000	179.805	10659.000	104.584	0.000	117.643	-0.000	104.584	0.000	0.000	117.681	47.428	-1.774	MWD+IFR1+MS
23400.000	90.000	179.805	10659.000	105.341	0.000	118.476	-0.000	105.341	0.000	0.000	118.513	47.496	-1.759	MWD+IFR1+MS
23500.000	90.000	179.805	10659.000	106.099	0.000	119.309	-0.000	106.099	0.000	0.000	119.345	47.564	-1.743	MWD+IFR1+MS
23600.000	90.000	179.805	10659.000	106.857	0.000	120.142	-0.000	106.857	0.000	0.000	120.179	47.632	-1.729	MWD+IFR1+MS
23700.000	90.000	179.805	10659.000	107.615	0.000	120.977	-0.000	107.615	0.000	0.000	121.013	47.701	-1.714	MWD+IFR1+MS
23800.000	90.000	179.805	10659.000	108.374	0.000	121.812	-0.000	108.374	0.000	0.000	121.847	47.771	-1.700	MWD+IFR1+MS
23900.000	90.000	179.805	10659.000	109.133	0.000	122.647	-0.000	109.133	0.000	0.000	122.683	47.840	-1.686	MWD+IFR1+MS
24000.000	90.000	179.805	10659.000	109.893	0.000	123.484	-0.000	109.893	0.000	0.000	123.519	47.910	-1.672	MWD+IFR1+MS
24100.000	90.000	179.805	10659.000	110.653	0.000	124.321	-0.000	110.653	0.000	0.000	124.355	47.981	-1.659	MWD+IFR1+MS
24191.979	90.000	179.805	10659.000	111.352	0.000	125.090	-0.000	111.352	0.000	0.000	125.125	48.046	-1.647	MWD+IFR1+MS
24200.000	90.000	179.805	10659.000	111.412	0.000	125.157	-0.000	111.412	0.000	0.000	125.192	48.052	-1.645	MWD+IFR1+MS
24281.986	90.000	179.805	10659.000	112.035	0.000	125.843	-0.000	112.035	0.000	0.000	125.877	48.110	-1.635	MWD+IFR1+MS

Plan Targets Poker Lake Unit 30 BS 310H

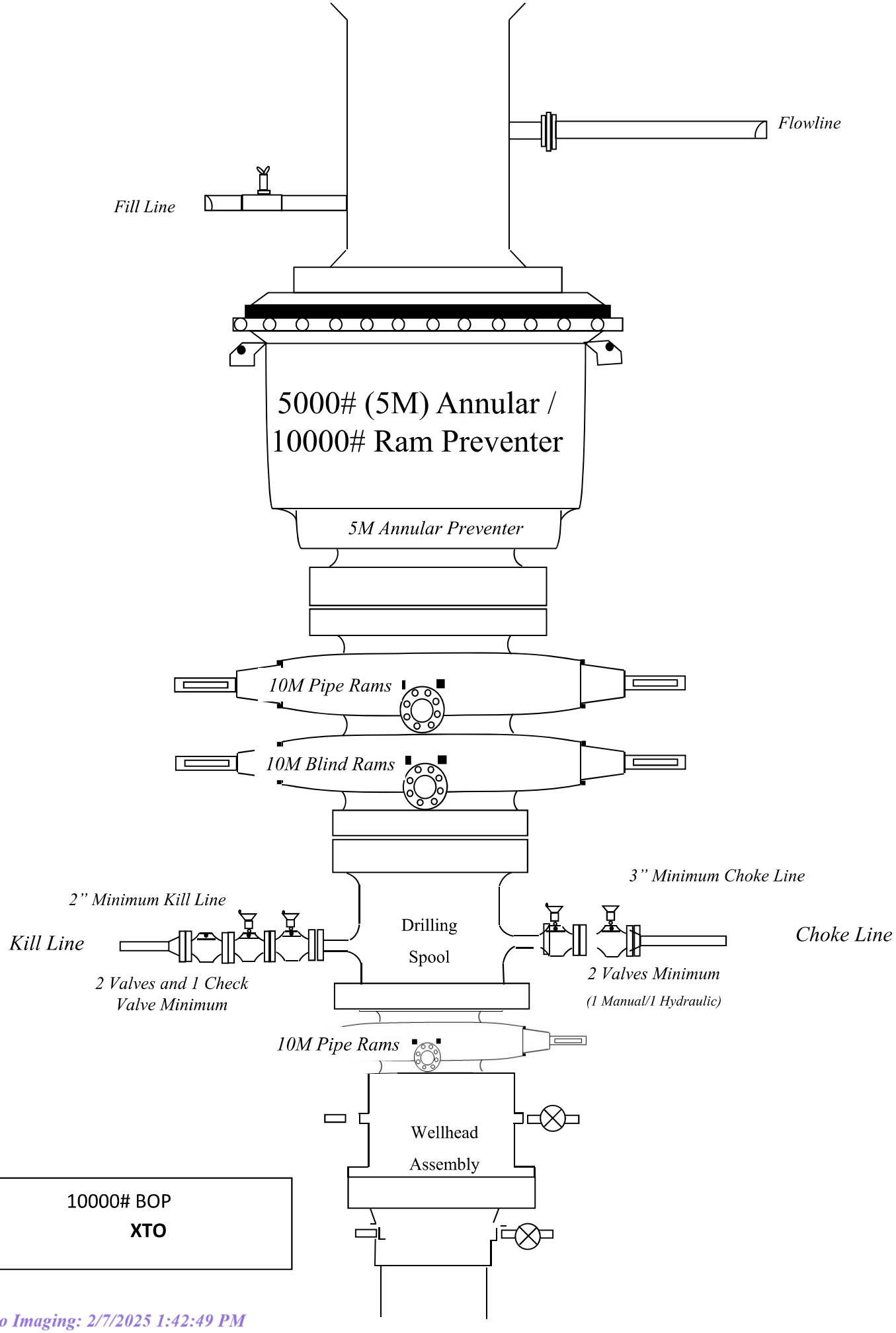
Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
FTP 7	11098.23	400796.30	661043.50	7261.00	CIRCLE
LTP 7	24191.98	387702.70	661088.10	7261.00	CIRCLE
BHL 7	24281.98	387612.70	661088.60	7261.00	CIRCLE

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



Drilling Operations
Choke Manifold
10M Service

10M Choke Manifold Diagram
XTO



10000# BOP

XTO

Tenaris

TenarisHydril Wedge 461®

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

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

Pipe Body Data

Geometry				Performance	
Nominal OD	5.500 in.	**Wall Thickness**	0.361 in.	**Body Yield Strength**	641 x1000 lb
Nominal Weight	20.00 lb/ft	**Plain End Weight**	19.83 lb/ft	**Min. Internal Yield Pressure**	12,640 psi
Drift	4.653 in.	**OD Tolerance**	API	**SMYS**	110,000 psi
Nominal ID	4.778 in.			**Collapse Pressure**	11,100 psi

Connection Data

Geometry		Performance		Make-Up Torques	
Connection OD	6.300 in.	**Tension Efficiency**	100 %	**Minimum**	17,000 ft-lb
Coupling Length	7.714 in.	**Joint Yield Strength**	641 x1000 lb	**Optimum**	18,000 ft-lb
Connection ID	4.778 in.	**Internal Pressure Capacity**	12,640 psi	**Maximum**	21,600 ft-lb
Make-up Loss	3.775 in.	**Compression Efficiency**	100 %		
Threads per inch	3.40	**Compression Strength**	641 x1000 lb	**Operation Limit Torques**	
Connection OD Option	Regular	**Max. Allowable Bending**	92 °/100 ft	**Operating Torque**	39,000 ft-lb
		External Pressure Capacity	11,100 psi	**Yield Torque**	46,000 ft-lb
		Coupling Face Load	290,000 lb	**Buck-On**	
				Minimum	21,600 ft-lb
				Maximum	23,100 ft-lb

Notes

This connection is fully interchangeable with:
Wedge 441® - 5.5 in. - 0.304 (17.00) / 0.361 (20.00) in. (lb/ft)
Wedge 461® - 5.5 in. - 0.304 (17.00) / 0.415 (23.00) / 0.476 (26.00) in. (lb/ft)
Connections with Dopeless® Technology are fully compatible with the same connection in its doped version
In October 2019, TenarisHydril Wedge XP® 2.0 was renamed TenarisHydril Wedge 461™. Product dimensions and properties remain identical and both connections are fully interchangeable

For the lastest performance data, always visit our website: www.tenaris.com
For further information on concepts indicated in this datasheet, download the Datasheet Manual from www.tenaris.com

Tenaris

TenarisHydril Wedge 511

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

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

Pipe Body Data

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

Connection Data

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

Notes

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For further information on concepts indicated in this datasheet, download the Datasheet Manual from www.tenaris.com

BLACK GOLD®

GATES ENGINEERING & SERVICES NORTH AMERICA
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EMAIL: gesna.quality@gates.com
WEB: www.gates.com/oilandgas

NEW CHOKE HOSE
INSTALLED 02-10-2024

CERTIFICATE OF CONFORMANCE

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

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

SIGNATURE: F. OSUNOS

TITLE: QUALITY ASSURANCE

DATE: 1/25/2024

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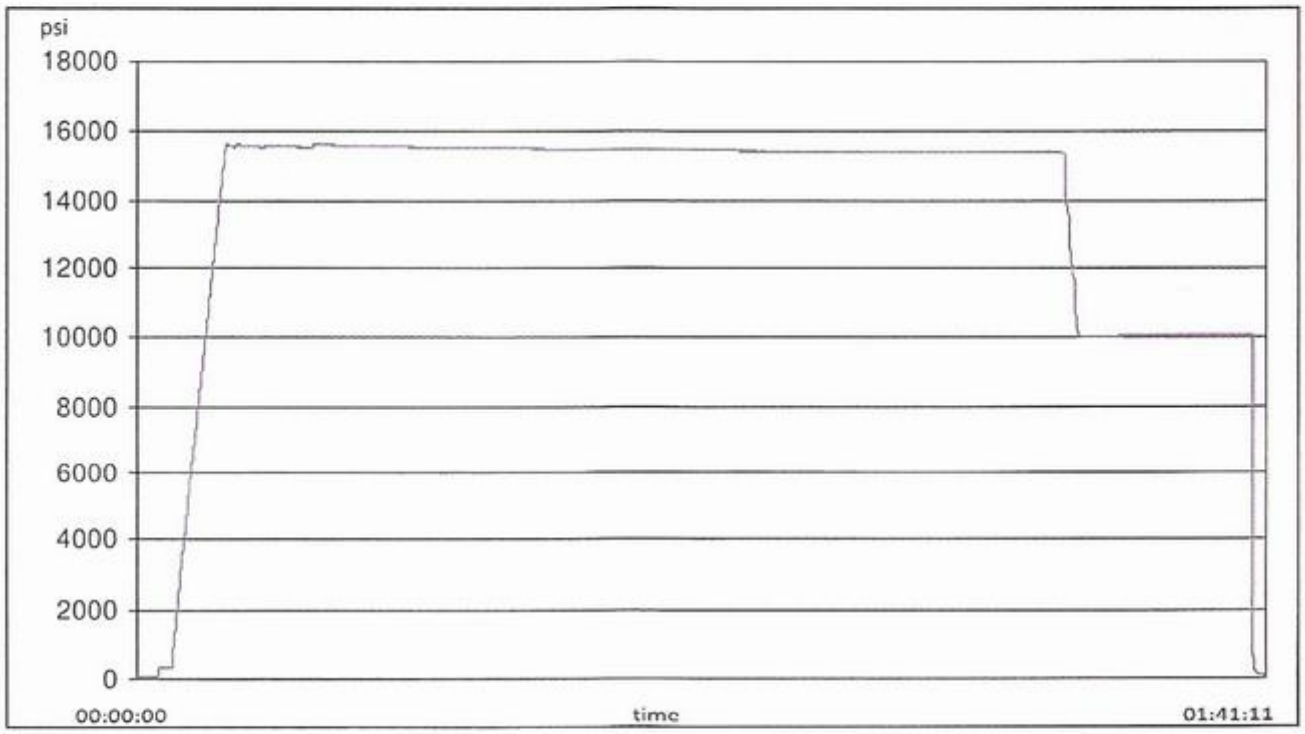
TEST REPORT

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



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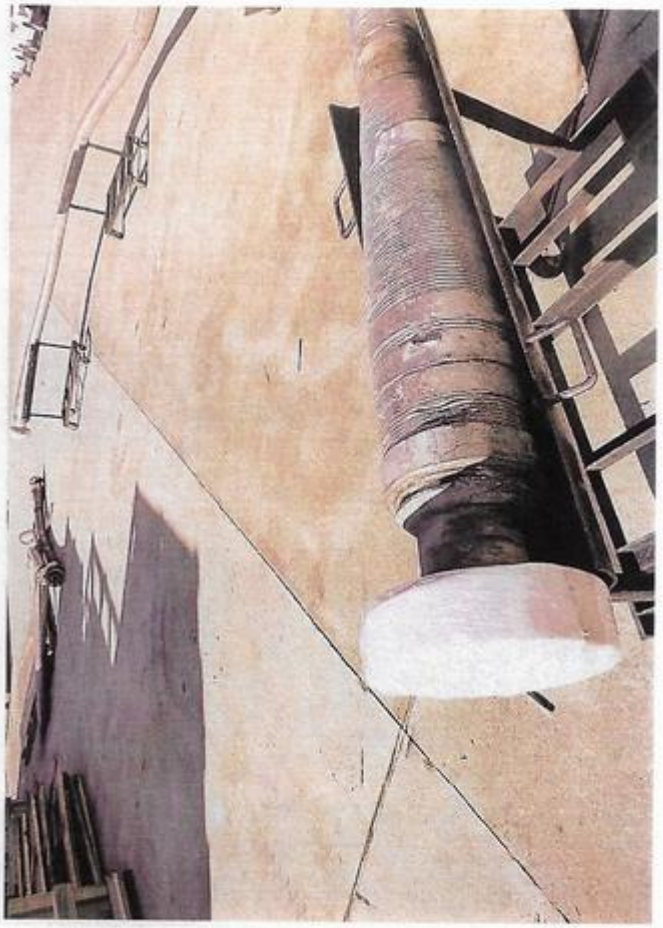
TEST REPORT

GAUGE TRACEABILITY

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

Comment



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

Description of Operations:

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

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

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 427308
	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.	2/7/2025