Well Number: 127H

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMLC0068431

Unit or CA Name: POKER LAKE UNIT

Unit or CA Number: NMNM71016X

US Well Number: 3001553222

Operator: XTO PERMIAN OPERATING LLC

Notice of Intent

Sundry ID: 2784385

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 04/10/2024

Time Sundry Submitted: 02:40

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 FTP, LTP, BHL, Casing sizes, Cement, Proposed total Depth, and formation (Pool). FROM: TO: FTP: 387' FNL & 999' FEL OF SECTION 21-T24S-R30E 100' FNL & 998' FEL OF SECTION 21-T24S-R30E LTP: 330' FNL & 976' FEL OF SECTION 33-T23S-R30E 2538' FNL & 994' FEL OF SECTION 33-T24S-R30E BHL: 201' FNL & 975' FEL OF SECTION 33-T23S-R30E 2628' FNL & 995' FEL OF SECTION 33-T24S-R30E The proposed total depth is changing from 33005’ MD; 11219’ TVD (Wolfcamp) to 23291’ MD; 10359’ TVD (Bone Spring 3 Shale). See attached Drilling Plan for updated cement and casing program. A saturated salt brine will be utilized while drilling through the salt formations. Attachments: C-102, Drilling Plan, Directional Plan, MBS

NOI Attachments

Procedure Description

PLU_21_DTD_127H_Sundry_Documents_20240726150331.pdf

NMNM71016X

US Well Number: 3001553222 **Operator:** XTO PERMIAN OPERATING LLC

Conditions of Approval

Additional

POKER_LAKE_UNIT_21_DTD_127H_COA_20240829085729.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:** JUL 26, 2024 03:03 PM

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:** 09/04/2024

Signature: Chris Walls

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No. NMLC068431

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 21 DTD/127H

2. Name of Operator XTO PERMIAN OPERATING LLC

9. API Well No. 3001553222

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 PURPLE SAGE/WOLFCAMP

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* SEC 16/T24S/R30E/NMP

11. Country or Parish, State EDDY/NM

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

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

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

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

FROM: TO:

FTP: 387' FNL & 999' FEL OF SECTION 21-T24S-R30E 100' FNL & 998' FEL OF SECTION 21-T24S-R30E
LTP: 330' FNL & 976' FEL OF SECTION 33-T23S-R30E 2538' FNL & 994' FEL OF SECTION 33-T24S-R30E
BHL: 201' FNL & 975' FEL OF SECTION 33-T23S-R30E 2628' FNL & 995' FEL OF SECTION 33-T24S-R30E

The proposed total depth is changing from 33005 MD; 11219 TVD (Wolfcamp) to 23291 MD; 10359 TVD (Bone Spring 3 Shale).

See attached Drilling Plan for updated cement and casing program.

Continued on page 3 additional information

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

Title Regulatory Advisor

Signature (Electronic Submission)

Date 07/26/2024

THE SPACE FOR FEDERAL OR STATE OFICE USE

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

Title Petroleum Engineer

Date 09/04/2024

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

Office CARLSBAD

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

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

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

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

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

Additional Information

Additional Remarks

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

Attachments: C-102, Drilling Plan, Directional Plan, MBS

Location of Well

0. SHL: SESE / 237 FSL / 157 FEL / TWSP: 24S / RANGE: 30E / SECTION: 16 / LAT: 32.211148 / LONG: -103.878091 (TVD: 0 feet, MD: 0 feet)

PPP: NENE / 387 FNL / 999 FEL / TWSP: 24S / RANGE: 30E / SECTION: 21 / LAT: 32.209429 / LONG: -103.880337 (TVD: 11219 feet, MD: 11700 feet)

BHL: NENE / 201 FNL / 975 FEL / TWSP: 23S / RANGE: 30E / SECTION: 33 / LAT: 32.268078 / LONG: -103.880402 (TVD: 11219 feet, MD: 33005 feet)

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO
LEASE NO.:	**NMLC068431**
LOCATION:	Sec. 16, T.24 S, R 30 E
COUNTY:	Eddy County, New Mexico
WELL NAME & NO.:	PLU 21 DTD 127H
SURFACE HOLE FOOTAGE:	237'/S & 157'/E
BOTTOM HOLE FOOTAGE:	2628'/N & 995'/E

*Changes approved through engineering via **Sundry 2784385**_ on _8-29-2024_. Any previous COAs not addressed within the updated COAs still apply.*

COA

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

A. HYDROGEN SULFIDE

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

Operator shall have a double ram and a pipe ram with a 10M pressure rating each.

B. CASING

1. The **9-5/8** inch surface casing shall be set at approximately **930** 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 6265'**

b. **Second stage:** Operator will perform bradenhead squeeze and top-out. Cement to surface. If cement does not reach surface, the appropriate BLM office shall be notified.

Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst.

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

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

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

C. PRESSURE CONTROL

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

2. Operator has proposed a multi-bowl wellhead assembly. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.

a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
c. Manufacturer representative shall install the test plug for the initial BOP test.
d. If the cement does not circulate and one-inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
e. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172 must be followed.

D. SPECIAL REQUIREMENT (S)

Unit Wells

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

Commercial Well Determination

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

BOPE Break Testing Variance

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

Offline Cementing

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

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

Casing Clearance
String does not meet 0.422" clearance requirement per 43 CFR 3172. Cement tieback requirement increased 100' for 1st Intermediate casing tieback. Operator may contact approving engineer to discuss changing casing set depth or grade to meet clearance requirement.

GENERAL REQUIREMENTS

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

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

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

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

A. CASING

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

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

B. PRESSURE CONTROL

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

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

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

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

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

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

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

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

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

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

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

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

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

Approved by Zota Stevens on 8/29/2024
575-234-5998 / zstevens@blm.gov

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-015-53222	97798	WILDCAT G-06 S243026M; BONE SPRING

[4] Property Code	[5] Property Name	[6] Well Number
333571	POKER LAKE UNIT 21 DTD	127H

[7] OGRID No.	[8] Operator Name	[9] Elevation
373075	XTO PERMIAN OPERATING, LLC.	3,395'

[10] Surface Location

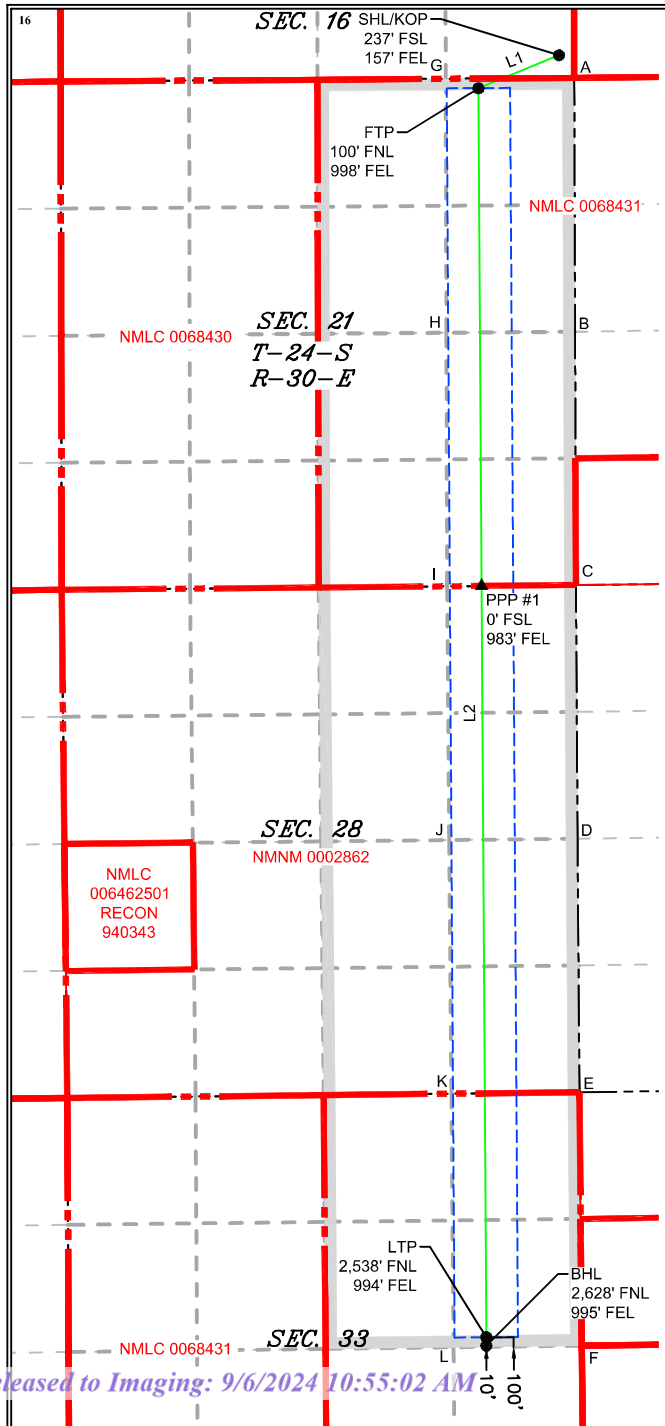
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	16	24S	30E		237	SOUTH	157	EAST	EDDY

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	33	24S	30E		2,628	NORTH	995	EAST	EDDY

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
800.00			

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

LINE TABLE		
LINE	AZIMUTH	LENGTH
L1	247°45'49"	907.35'
L2	179°38'24"	13,079.72'

COORDINATE TABLE					
SHL/KOP (NAD 83 NME)			SHL/KOP (NAD 27 NME)		
Y =	440,847.9	N	Y =	440,788.6	N
X =	682,133.2	E	X =	640,949.4	E
LAT. =	32.211148	°N	LAT. =	32.211024	°N
LONG. =	103.878092	°W	LONG. =	103.877605	°W
FTP (NAD 83 NME)			FTP (NAD 27 NME)		
Y =	440,504.5	N	Y =	440,445.2	N
X =	681,293.3	E	X =	640,109.5	E
LAT. =	32.210214	°N	LAT. =	32.210089	°N
LONG. =	103.880812	°W	LONG. =	103.880325	°W
PPP #1 (NAD 83 NME)			PPP #1 (NAD 27 NME)		
Y =	435,328.6	N	Y =	435,269.4	N
X =	681,325.9	E	X =	640,141.9	E
LAT. =	32.195986	°N	LAT. =	32.195861	°N
LONG. =	103.880777	°W	LONG. =	103.880291	°W
LTP (NAD 83 NME)			LTP (NAD 27 NME)		
Y =	427,515.0	N	Y =	427,456.1	N
X =	681,375.0	E	X =	640,190.9	E
LAT. =	32.174507	°N	LAT. =	32.174382	°N
LONG. =	103.880725	°W	LONG. =	103.880239	°W
BHL (NAD 83 NME)			BHL (NAD 27 NME)		
Y =	427,425.0	N	Y =	427,366.1	N
X =	681,375.5	E	X =	640,191.3	E
LAT. =	32.174260	°N	LAT. =	32.174135	°N
LONG. =	103.880724	°W	LONG. =	103.880239	°W
CORNER COORDINATES (NAD 83 NME)					
A - Y =	440,611.6	N	A - X =	682,290.6	E
B - Y =	437,971.3	N	B - X =	682,299.7	E
C - Y =	435,337.7	N	C - X =	682,308.9	E
D - Y =	432,700.0	N	D - X =	682,325.0	E
E - Y =	430,063.6	N	E - X =	682,344.9	E
F - Y =	427,427.2	N	F - X =	682,370.2	E
G - Y =	440,602.1	N	G - X =	680,953.0	E
H - Y =	437,961.2	N	H - X =	680,960.4	E
I - Y =	435,325.2	N	I - X =	680,967.9	E
J - Y =	432,686.4	N	J - X =	680,989.1	E
K - Y =	430,048.8	N	K - X =	681,012.1	E
L - Y =	427,410.9	N	L - X =	681,034.8	E
CORNER COORDINATES (NAD 27 NME)					
A - Y =	440,552.3	N	A - X =	641,106.8	E
B - Y =	437,912.1	N	B - X =	641,115.9	E
C - Y =	435,278.5	N	C - X =	641,134.9	E

[17] OPERATOR CERTIFICATION

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.

Emily Rivera 7/24/2024
Signature Date

Emily Rivera
Printed Name

emily.a.rivera@exxonmobil.com
E-mail Address

[18] SURVEYOR CERTIFICATION

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.

7/11/2024
Date of Survey

Signature and Seal of Professional Surveyor:

MARK DILLON HARP
NEW MEXICO
23786
PROFESSIONAL SURVEYOR

Intent [X] As Drilled [ ]

API #
30-15-

Operator Name:	Property Name:	Well Number
XTO PERMAIN OPERATING, LLC.	POKER LAKE UNIT 21 DTD	127H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County

Latitude	Longitude	NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
A	21	24S	30E		100	NORTH	998	EAST	EDDY

Latitude	Longitude	NAD
32.210214	-103.880777	83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
H	33	24S	30E		2,538	NORTH	994	EAST	EDDY

Latitude	Longitude	NAD
32.174507	-103.880725	83

Is this well the defining well for the Horizontal Spacing Unit? [ ]

Is this well an infill well? [ ]

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #

Operator Name:	Property Name:	Well Number

KZ 06/29/2018

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

XTO Energy Inc.
POKER LAKE UNIT 21 DTD 127H
Projected TD: 23291' MD / 10359' TVD
SHL: 237' FSL & 157' FEL , Section 16, T24S, R30E
BHL: 2628' FNL & 995' FEL , Section 33, T23S, R30E
EDDY County, NM

1. Geologic Name of Surface Formation

A. Quaternary

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

Formation	Well Depth (TVD)	Water/Oil/Gas
Rustler	1042'	Water
Top of Salt	1445'	Water
Base of Salt	3638'	Water
Delaware	3832'	Water
Brushy Canyon	6378'	Water/Oil/Gas
Bone Spring	7702'	Water
Avalon	8395'	Water/Oil/Gas
1st Bone Spring	8411'	Water/Oil/Gas
2nd Bone Spring	8996'	Water/Oil/Gas
3rd Bone Spring	9822'	Water/Oil/Gas
Target/Land Curve	10359'	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 13.375 inch casing @ 1420' (25' above the salt) and circulating cement back to surface. The salt will be isolated by setting 9.625 inch casing at 3738' and circulating cement to surface. The second intermediate will isolate from the salt down to the next casing seat by setting 7.625 inch casing at 9443' and cementing to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 23291 MD/TD and 5.5 inch production casing will be set at TD and cemented back up to 2nd intermediate (estimated TOC 9143 feet) per Potash regulations.

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
17.5	0' – 1420'	13.375	54.5	J-55	BTC	New	3.09	1.82	11.75
12.25	0' – 3738'	9.625	40	J-55	BTC	New	1.76	3.04	4.21
8.75	0' – 3838'	7.625	29.7	RY P-110	Flush Joint	New	2.94	3.05	1.99
8.75	3838' – 9443'	7.625	29.7	HC L-80	Flush Joint	New	2.14	3.60	2.44
6.75	0' – 9343'	5.5	20	RY P-110	Semi-Premium	New	1.05	2.24	2.10
6.75	9343' - 23291'	5.5	20	RY P-110	Semi-Flush	New	1.05	2.02	5.42

· Production casing meets the clearance requirements as tapered string crosses over before encountering the intermediate shoe, per Onshore Order 2.3.B.1
· XTO requests the option to utilize a spudder rig (Atlas Copco RD20 or Equivalent) to set and cement surface and intermediate 1 casing per this Sundry

· 9.625 Collapse analyzed using 50% evacuation based on regional experience.
· 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 13-3/8" bottom
B. Tubing Head: 13-5/8" 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: 13.375, 54.5 New BTC, J-55 casing to be set at +/- 1420'

Optional Lead: 1160 sxs EconoCem-HLTRRC (mixed at 12.8 ppg, 1.33 ft3/sx, 10.13 gal/sx water)
Tail: 310 sxs Class C + 2% CaCl (mixed at 14.8 ppg, 1.33 ft3/sx, 6.39 gal/sx water)
Top of Cement: Surface
Compressives: 12-hr = 250 psi 24 hr = 500 psi

Due to the high probability of not getting cement to surface during conventional top-out jobs in the area, ~10-20 ppb gravel will be added on the backside of the 1" to get cement to surface, if required.

1st Intermediate Casing: 9.625, 40 New BTC, J-55 casing to be set at +/- 3738'

Lead: 780 sxs Class C (mixed at 14.8 ppg, 2.06 ft3/sx, 10.13 gal/sx water)
Tail: 60 sxs Class C + 2% CaCl (mixed at 15.6 ppg, 2.06 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 +/- 9443'
1st Stage
Optional Lead: 140 sxs Class C (mixed at 10.5 ppg, 2.77 ft3/sx, 15.59 gal/sx water)
TOC: 3438
Tail: 320 sxs Class C (mixed at 14.8 ppg, 1.27 ft3/sx, 6.39 gal/sx water)
TOC: Brushy Canyon @ 6378
Compressives: 12-hr = 900 psi 24 hr = 1150 psi

2nd Stage - bradenhead contingency
Tail: 140 sxs Class C (mixed at 14.8 ppg, 2.77 ft3/sx, 6.39 gal/sx water)
Top of Cement: 3438
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 (6378') and the second stage performed as a bradenhead squeeze with planned cement from the Brushy Canyon to surface.

XTO requests to pump an Optional Lead if well conditions dictate in an attempt to bring cement to surface. 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 wellhead provider 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 +/- 23291'

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft3/sx, 15.00 gal/sx water) Top of Cement: 9143 feet
Tail: 850 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft3/sx, 8.38 gal/sx water) Top of Cement: 9803 feet
Compressives: 12-hr = 1375 psi 24 hr = 2285 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 suface casing, the blow out preventer equipment (BOP) will consist of a 5M Hydril and a 10M Double Ram BOP.

XTO will use a Multi-Bowl system which is attached.

All BOP testing will be done by an independent service company. Annular pressure tests will be conducted to at least 50% of the rated working pressure. When nippling up on the 13.375, 10M bradenhead and flange, the BOP test will be limited to 10000 psi. When nippling up on the 7.625, the BOP will be tested to a minimum of 10000 psi. All BOP tests will include a low pressure test as per BLM regulations. The 10M BOP diagrams are attached. Blind rams will be functioned tested each trip, pipe rams will be functioned tested each week

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

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

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

6. Proposed Mud Circulation System

INTERVAL	Hole Size	Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)	Additional Comments
0' - 1420'	17.5	FW/Native	8.4-8.9	35-40	NC	Fresh water or native water
1420' - 3832'	12.25	Saturated Salt	10.5 - 11	30-32	NC	Fully saturated salt across salado / salt
3832' to 9443'	8.75	BDE / OBM	9- 9.5	30-32	NC	N/A
9443' to 23291'	6.75	OBM	10.5-11	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 13.375 casing.

8. Logging, Coring and Testing Pr

Open hole logging will not be d

9. Abnormal Pressures and Tempe

None Anticipated. BHT of 170 t
occurrences. Should these circ
necessary steps to ensure safe
a serious problem in this area a
drilling fluid. The maximum anti

10. Anticipated Starting Date and

Anticipated spud date will be af

Saturated Salt

Well Plan Report - Poker Lake Unit 21 DTD South 127H

Measured Depth:	23291.00 ft
TVD RKB:	10359.00 ft
Location	
Cartographic Reference System:	New Mexico East - NAD 27
Northing:	440788.60 ft
Easting:	640949.40 ft
RKB:	3427.00 ft
Ground Level:	3395.00 ft
North Reference:	Grid
Convergence Angle:	0.24 Deg

Plan Sections Poker Lake Unit 21 DTD South 127H

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	
3700.00	0.00	0.00	3700.00	0.00	0.00	0.00	0.00	0.00	
4510.76	22.61	247.76	4489.88	-59.76	-146.18	2.79	0.00	2.79	
6049.28	22.61	247.76	5910.12	-283.64	-693.72	0.00	0.00	0.00	
6860.04	0.00	0.00	6700.00	-343.40	-839.90	-2.79	0.00	2.79	
9802.84	0.00	0.00	9642.80	-343.40	-839.90	0.00	0.00	0.00	
10927.84	90.00	179.64	10359.00	-1059.58	-835.41	8.00	0.00	8.00	
23200.98	90.00	179.64	10359.00	-13332.49	-758.51	0.00	0.00	0.00	LTP 5
23291.00	90.00	179.64	10359.00	-13422.51	-757.95	0.00	0.00	0.00	BHL 5

Position Uncertainty Poker Lake Unit 21 DTD South 127H

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	2.486	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	2.532	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	2.582	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	2.635	0.000	0.000	4.752	3.849	128.859	MWD+IFR1+MS
1200.000	0.000	0.000	1200.000	4.779	0.000	4.589	0.000	2.692	0.000	0.000	5.119	4.207	128.954	MWD+IFR1+MS
1300.000	0.000	0.000	1300.000	5.140	0.000	4.950	0.000	2.752	0.000	0.000	5.484	4.565	129.034	MWD+IFR1+MS
1400.000	0.000	0.000	1400.000	5.500	0.000	5.311	0.000	2.814	0.000	0.000	5.849	4.924	129.102	MWD+IFR1+MS
1500.000	0.000	0.000	1500.000	5.860	0.000	5.672	0.000	2.879	0.000	0.000	6.213	5.282	129.161	MWD+IFR1+MS
1600.000	0.000	0.000	1600.000	6.219	0.000	6.032	0.000	2.947	0.000	0.000	6.577	5.640	129.212	MWD+IFR1+MS
1700.000	0.000	0.000	1700.000	6.579	0.000	6.392	0.000	3.017	0.000	0.000	6.939	5.999	129.257	MWD+IFR1+MS
1800.000	0.000	0.000	1800.000	6.938	0.000	6.752	0.000	3.088	0.000	0.000	7.302	6.357	129.297	MWD+IFR1+MS
1900.000	0.000	0.000	1900.000	7.298	0.000	7.112	0.000	3.162	0.000	0.000	7.664	6.715	129.333	MWD+IFR1+MS
2000.000	0.000	0.000	2000.000	7.657	0.000	7.471	0.000	3.237	0.000	0.000	8.026	7.074	129.365	MWD+IFR1+MS
2100.000	0.000	0.000	2100.000	8.016	0.000	7.831	0.000	3.315	0.000	0.000	8.387	7.432	129.394	MWD+IFR1+MS
2200.000	0.000	0.000	2200.000	8.375	0.000	8.190	0.000	3.393	0.000	0.000	8.748	7.791	129.420	MWD+IFR1+MS
2300.000	0.000	0.000	2300.000	8.734	0.000	8.550	0.000	3.474	0.000	0.000	9.109	8.149	129.444	MWD+IFR1+MS
2400.000	0.000	0.000	2400.000	9.093	0.000	8.909	0.000	3.555	0.000	0.000	9.470	8.507	129.466	MWD+IFR1+MS
2500.000	0.000	0.000	2500.000	9.452	0.000	9.268	0.000	3.639	0.000	0.000	9.831	8.866	129.486	MWD+IFR1+MS
2600.000	0.000	0.000	2600.000	9.811	0.000	9.627	0.000	3.723	0.000	0.000	10.191	9.224	129.505	MWD+IFR1+MS
2700.000	0.000	0.000	2700.000	10.170	0.000	9.986	0.000	3.809	0.000	0.000	10.552	9.583	129.522	MWD+IFR1+MS
2800.000	0.000	0.000	2800.000	10.529	0.000	10.345	0.000	3.896	0.000	0.000	10.912	9.941	129.538	MWD+IFR1+MS
2900.000	0.000	0.000	2900.000	10.888	0.000	10.705	0.000	3.985	0.000	0.000	11.272	10.299	129.552	MWD+IFR1+MS
3000.000	0.000	0.000	3000.000	11.247	0.000	11.063	0.000	4.075	0.000	0.000	11.632	10.658	129.566	MWD+IFR1+MS

3100.000	0.000	0.000	3100.000	11.606	0.000	11.422	0.000	4.166	0.000	0.000	11.992	11.016	129.579	MWD+IFR1+MS
3200.000	0.000	0.000	3200.000	11.965	0.000	11.781	0.000	4.258	0.000	0.000	12.352	11.375	129.591	MWD+IFR1+MS
3300.000	0.000	0.000	3300.000	12.323	0.000	12.140	0.000	4.352	0.000	0.000	12.712	11.733	129.603	MWD+IFR1+MS
3400.000	0.000	0.000	3400.000	12.682	0.000	12.499	0.000	4.447	0.000	0.000	13.071	12.092	129.613	MWD+IFR1+MS
3500.000	0.000	0.000	3500.000	13.041	0.000	12.858	0.000	4.543	0.000	0.000	13.431	12.450	129.623	MWD+IFR1+MS
3600.000	0.000	0.000	3600.000	13.400	0.000	13.217	0.000	4.641	0.000	0.000	13.790	12.809	129.633	MWD+IFR1+MS
3700.000	0.000	0.000	3700.000	13.758	0.000	13.576	0.000	4.740	0.000	0.000	14.150	13.167	129.642	MWD+IFR1+MS
3800.000	2.789	247.762	3799.961	14.302	-0.000	13.742	0.000	4.841	0.000	0.000	14.500	13.548	131.335	MWD+IFR1+MS
3900.000	5.578	247.762	3899.684	14.928	-0.000	14.086	0.000	4.946	0.000	0.000	15.074	13.991	-39.140	MWD+IFR1+MS
4000.000	8.367	247.762	3998.935	15.503	-0.000	14.431	0.000	5.059	0.000	0.000	15.670	14.386	-32.704	MWD+IFR1+MS
4100.000	11.156	247.762	4097.477	16.029	-0.000	14.776	0.000	5.186	0.000	0.000	16.265	14.757	-28.475	MWD+IFR1+MS
4200.000	13.945	247.762	4195.078	16.507	-0.000	15.122	0.000	5.330	0.000	0.000	16.849	15.116	-25.601	MWD+IFR1+MS
4300.000	16.734	247.762	4291.506	16.940	-0.000	15.469	0.000	5.495	0.000	0.000	17.416	15.468	-23.552	MWD+IFR1+MS
4400.000	19.523	247.762	4386.533	17.328	-0.000	15.817	0.000	5.683	0.000	0.000	17.964	15.817	-22.022	MWD+IFR1+MS
4500.000	22.312	247.762	4479.933	17.675	-0.000	16.167	0.000	5.898	0.000	0.000	18.491	16.166	-20.831	MWD+IFR1+MS
4510.760	22.612	247.762	4489.877	17.679	-0.000	16.204	0.000	5.903	0.000	0.000	18.523	16.202	-20.836	MWD+IFR1+MS
4600.000	22.612	247.762	4572.257	17.938	-0.000	16.512	0.000	6.009	0.000	0.000	18.766	16.511	-20.823	MWD+IFR1+MS
4700.000	22.612	247.762	4664.569	18.240	-0.000	16.871	0.000	6.136	0.000	0.000	19.046	16.869	-20.659	MWD+IFR1+MS
4800.000	22.612	247.762	4756.882	18.548	-0.000	17.235	0.000	6.269	0.000	0.000	19.332	17.233	-20.455	MWD+IFR1+MS
4900.000	22.612	247.762	4849.195	18.862	-0.000	17.603	0.000	6.407	0.000	0.000	19.623	17.601	-20.234	MWD+IFR1+MS
5000.000	22.612	247.762	4941.508	19.181	-0.000	17.976	0.000	6.549	0.000	0.000	19.918	17.973	-19.994	MWD+IFR1+MS
5100.000	22.612	247.762	5033.821	19.506	-0.000	18.353	0.000	6.696	0.000	0.000	20.219	18.349	-19.735	MWD+IFR1+MS
5200.000	22.612	247.762	5126.133	19.835	-0.000	18.733	0.000	6.848	0.000	0.000	20.523	18.729	-19.453	MWD+IFR1+MS
5300.000	22.612	247.762	5218.446	20.169	-0.000	19.117	0.000	7.003	0.000	0.000	20.832	19.112	-19.147	MWD+IFR1+MS
5400.000	22.612	247.762	5310.759	20.508	-0.000	19.504	0.000	7.163	0.000	0.000	21.144	19.498	-18.813	MWD+IFR1+MS
5500.000	22.612	247.762	5403.072	20.851	-0.000	19.894	0.000	7.326	0.000	0.000	21.461	19.887	-18.448	MWD+IFR1+MS
5600.000	22.612	247.762	5495.385	21.198	-0.000	20.287	0.000	7.494	0.000	0.000	21.781	20.279	-18.050	MWD+IFR1+MS
5700.000	22.612	247.762	5587.697	21.548	-0.000	20.683	0.000	7.665	0.000	0.000	22.104	20.674	-17.612	MWD+IFR1+MS
5800.000	22.612	247.762	5680.010	21.903	-0.000	21.082	0.000	7.839	0.000	0.000	22.431	21.070	-17.131	MWD+IFR1+MS
5900.000	22.612	247.762	5772.323	22.261	-0.000	21.482	0.000	8.017	0.000	0.000	22.762	21.470	-16.601	MWD+IFR1+MS
6000.000	22.612	247.762	5864.636	22.622	-0.000	21.886	0.000	8.197	0.000	0.000	23.096	21.871	-16.015	MWD+IFR1+MS
6049.275	22.612	247.762	5910.123	22.798	-0.000	22.082	0.000	8.286	0.000	0.000	23.258	22.067	-15.830	MWD+IFR1+MS
6100.000	21.198	247.762	5957.185	23.106	-0.000	22.283	0.000	8.382	0.000	0.000	23.429	22.267	-15.627	MWD+IFR1+MS

6200.000	18.409	247.762	6051.262	23.791	-0.000	22.680	0.000	8.603	0.000	0.000	23.877	22.660	-14.920	MWD+IFR1+MS
6300.000	15.619	247.762	6146.875	24.508	-0.000	23.074	0.000	8.832	0.000	0.000	24.414	23.046	-14.134	MWD+IFR1+MS
6400.000	12.830	247.762	6243.800	25.159	-0.000	23.461	0.000	9.037	0.000	0.000	24.952	23.425	-13.572	MWD+IFR1+MS
6500.000	10.041	247.762	6341.805	25.743	-0.000	23.838	0.000	9.221	0.000	0.000	25.486	23.795	-13.170	MWD+IFR1+MS
6600.000	7.252	247.762	6440.658	26.258	-0.000	24.207	0.000	9.388	0.000	0.000	26.013	24.156	-12.879	MWD+IFR1+MS
6700.000	4.463	247.762	6540.126	26.704	-0.000	24.566	0.000	9.542	0.000	0.000	26.532	24.508	-12.665	MWD+IFR1+MS
6800.000	1.674	247.762	6639.973	27.081	-0.000	24.915	0.000	9.687	0.000	0.000	27.040	24.850	-12.502	MWD+IFR1+MS
6860.036	0.000	0.000	6700.000	25.160	0.000	27.135	0.000	9.771	0.000	0.000	27.230	25.058	-12.269	MWD+IFR1+MS
6900.000	0.000	0.000	6739.964	25.297	0.000	27.255	0.000	9.826	0.000	0.000	27.349	25.195	-12.318	MWD+IFR1+MS
7000.000	0.000	0.000	6839.964	25.635	0.000	27.558	0.000	9.966	0.000	0.000	27.652	25.533	-12.413	MWD+IFR1+MS
7100.000	0.000	0.000	6939.964	25.977	0.000	27.866	0.000	10.109	0.000	0.000	27.962	25.874	-12.595	MWD+IFR1+MS
7200.000	0.000	0.000	7039.964	26.319	0.000	28.175	0.000	10.255	0.000	0.000	28.272	26.215	-12.778	MWD+IFR1+MS
7300.000	0.000	0.000	7139.964	26.662	0.000	28.485	0.000	10.403	0.000	0.000	28.583	26.556	-12.962	MWD+IFR1+MS
7400.000	0.000	0.000	7239.964	27.005	0.000	28.796	0.000	10.555	0.000	0.000	28.896	26.898	-13.147	MWD+IFR1+MS
7500.000	0.000	0.000	7339.964	27.349	0.000	29.108	0.000	10.709	0.000	0.000	29.210	27.240	-13.333	MWD+IFR1+MS
7600.000	0.000	0.000	7439.964	27.692	0.000	29.422	0.000	10.867	0.000	0.000	29.524	27.583	-13.520	MWD+IFR1+MS
7700.000	0.000	0.000	7539.964	28.037	0.000	29.736	0.000	11.027	0.000	0.000	29.840	27.926	-13.708	MWD+IFR1+MS
7800.000	0.000	0.000	7639.964	28.381	0.000	30.051	0.000	11.190	0.000	0.000	30.157	28.269	-13.897	MWD+IFR1+MS
7900.000	0.000	0.000	7739.964	28.726	0.000	30.368	0.000	11.357	0.000	0.000	30.475	28.613	-14.086	MWD+IFR1+MS
8000.000	0.000	0.000	7839.964	29.072	0.000	30.685	0.000	11.526	0.000	0.000	30.793	28.957	-14.277	MWD+IFR1+MS
8100.000	0.000	0.000	7939.964	29.417	0.000	31.003	0.000	11.699	0.000	0.000	31.113	29.301	-14.469	MWD+IFR1+MS
8200.000	0.000	0.000	8039.964	29.763	0.000	31.322	0.000	11.874	0.000	0.000	31.434	29.646	-14.662	MWD+IFR1+MS
8300.000	0.000	0.000	8139.964	30.110	0.000	31.642	0.000	12.053	0.000	0.000	31.755	29.990	-14.855	MWD+IFR1+MS
8400.000	0.000	0.000	8239.964	30.456	0.000	31.963	0.000	12.235	0.000	0.000	32.077	30.336	-15.050	MWD+IFR1+MS
8500.000	0.000	0.000	8339.964	30.803	0.000	32.284	0.000	12.419	0.000	0.000	32.400	30.681	-15.246	MWD+IFR1+MS
8600.000	0.000	0.000	8439.964	31.150	0.000	32.606	0.000	12.607	0.000	0.000	32.724	31.027	-15.442	MWD+IFR1+MS
8700.000	0.000	0.000	8539.964	31.497	0.000	32.929	0.000	12.798	0.000	0.000	33.048	31.372	-15.639	MWD+IFR1+MS
8800.000	0.000	0.000	8639.964	31.845	0.000	33.253	0.000	12.992	0.000	0.000	33.373	31.719	-15.837	MWD+IFR1+MS
8900.000	0.000	0.000	8739.964	32.193	0.000	33.577	0.000	13.189	0.000	0.000	33.699	32.065	-16.036	MWD+IFR1+MS
9000.000	0.000	0.000	8839.964	32.541	0.000	33.903	0.000	13.390	0.000	0.000	34.026	32.411	-16.236	MWD+IFR1+MS
9100.000	0.000	0.000	8939.964	32.889	0.000	34.228	0.000	13.593	0.000	0.000	34.353	32.758	-16.437	MWD+IFR1+MS
9200.000	0.000	0.000	9039.964	33.237	0.000	34.555	0.000	13.800	0.000	0.000	34.681	33.105	-16.638	MWD+IFR1+MS
9300.000	0.000	0.000	9139.964	33.586	0.000	34.882	0.000	14.010	0.000	0.000	35.010	33.453	-16.841	MWD+IFR1+MS

9400.000	0.000	0.000	9239.964	33.935	0.000	35.209	0.000	14.223	0.000	0.000	35.339	33.800	-17.044	MWD+IFR1+MS
9500.000	0.000	0.000	9339.964	34.284	0.000	35.538	0.000	14.439	0.000	0.000	35.669	34.148	-17.248	MWD+IFR1+MS
9600.000	0.000	0.000	9439.964	34.633	0.000	35.867	0.000	14.658	0.000	0.000	35.999	34.495	-17.452	MWD+IFR1+MS
9700.000	0.000	0.000	9539.964	34.983	0.000	36.196	0.000	14.881	0.000	0.000	36.330	34.843	-17.658	MWD+IFR1+MS
9802.836	0.000	0.000	9642.800	35.343	0.000	36.536	0.000	15.113	0.000	0.000	36.672	35.201	-17.879	MWD+IFR1+MS
9900.000	7.773	179.641	9739.667	35.768	0.000	36.848	-0.000	15.347	0.000	0.000	37.001	35.734	-20.849	MWD+IFR1+MS
10000.000	15.773	179.641	9837.484	36.566	0.000	37.159	-0.000	15.690	0.000	0.000	37.713	36.746	130.226	MWD+IFR1+MS
10100.000	23.773	179.641	9931.511	36.825	0.000	37.464	-0.000	16.225	0.000	0.000	38.820	37.247	111.227	MWD+IFR1+MS
10200.000	31.773	179.641	10019.919	36.554	0.000	37.759	-0.000	17.008	0.000	0.000	39.903	37.591	105.079	MWD+IFR1+MS
10300.000	39.773	179.641	10100.987	35.815	0.000	38.043	-0.000	18.059	0.000	0.000	40.829	37.890	102.563	MWD+IFR1+MS
10400.000	47.773	179.641	10173.137	34.696	0.000	38.311	-0.000	19.366	0.000	0.000	41.572	38.164	101.371	MWD+IFR1+MS
10500.000	55.773	179.641	10234.964	33.311	0.000	38.561	-0.000	20.886	0.000	0.000	42.129	38.416	100.792	MWD+IFR1+MS
10600.000	63.773	179.641	10285.266	31.807	0.000	38.793	-0.000	22.563	0.000	0.000	42.511	38.648	100.533	MWD+IFR1+MS
10700.000	71.773	179.641	10323.063	30.363	0.000	39.003	-0.000	24.333	0.000	0.000	42.741	38.860	100.431	MWD+IFR1+MS
10800.000	79.773	179.641	10347.619	29.184	0.000	39.190	-0.000	26.134	0.000	0.000	42.850	39.053	100.356	MWD+IFR1+MS
10900.000	87.773	179.641	10358.456	28.476	0.000	39.351	-0.000	27.907	0.000	0.000	42.879	39.224	100.169	MWD+IFR1+MS
10927.836	90.000	179.641	10358.997	28.009	0.000	39.390	-0.000	28.009	0.000	0.000	42.879	39.266	100.064	MWD+IFR1+MS
11000.000	90.000	179.641	10358.997	28.174	0.000	39.491	-0.000	28.174	0.000	0.000	42.875	39.378	99.784	MWD+IFR1+MS
11100.000	90.000	179.641	10358.997	28.396	0.000	39.648	-0.000	28.396	0.000	0.000	42.870	39.549	99.409	MWD+IFR1+MS
11200.000	90.000	179.641	10358.997	28.638	0.000	39.820	-0.000	28.638	0.000	0.000	42.867	39.733	99.037	MWD+IFR1+MS
11300.000	90.000	179.641	10358.997	28.900	0.000	40.006	-0.000	28.900	0.000	0.000	42.865	39.931	98.661	MWD+IFR1+MS
11400.000	90.000	179.641	10358.997	29.181	0.000	40.206	-0.000	29.181	0.000	0.000	42.865	40.142	98.274	MWD+IFR1+MS
11500.000	90.000	179.641	10358.997	29.480	0.000	40.419	-0.000	29.480	0.000	0.000	42.865	40.366	97.868	MWD+IFR1+MS
11600.000	90.000	179.641	10358.997	29.797	0.000	40.645	-0.000	29.797	0.000	0.000	42.866	40.602	97.431	MWD+IFR1+MS
11700.000	90.000	179.641	10358.997	30.130	0.000	40.885	-0.000	30.130	0.000	0.000	42.869	40.851	96.944	MWD+IFR1+MS
11800.000	90.000	179.641	10358.997	30.481	0.000	41.137	-0.000	30.481	0.000	0.000	42.872	41.112	96.376	MWD+IFR1+MS
11900.000	90.000	179.641	10358.997	30.847	0.000	41.402	-0.000	30.847	0.000	0.000	42.877	41.385	95.673	MWD+IFR1+MS
12000.000	90.000	179.641	10358.997	31.229	0.000	41.680	-0.000	31.229	0.000	0.000	42.883	41.670	94.726	MWD+IFR1+MS
12100.000	90.000	179.641	10358.997	31.625	0.000	41.969	-0.000	31.625	0.000	0.000	42.891	41.965	93.281	MWD+IFR1+MS
12200.000	90.000	179.641	10358.997	32.036	0.000	42.271	-0.000	32.036	0.000	0.000	42.901	42.270	90.597	MWD+IFR1+MS
12300.000	90.000	179.641	10358.997	32.461	0.000	42.584	-0.000	32.461	0.000	0.000	42.920	42.580	83.316	MWD+IFR1+MS
12400.000	90.000	179.641	10358.997	32.899	0.000	42.908	-0.000	32.899	0.000	0.000	43.005	42.834	48.402	MWD+IFR1+MS
12500.000	90.000	179.641	10358.997	33.349	0.000	43.244	-0.000	33.349	0.000	0.000	43.293	42.896	20.384	MWD+IFR1+MS

12600.000	90.000	179.641	10358.997	33.812	0.000	43.590	-0.000	33.812	0.000	0.000	43.637	42.915	14.428	MWD+IFR1+MS
12700.000	90.000	179.641	10358.997	34.287	0.000	43.947	-0.000	34.287	0.000	0.000	43.996	42.929	12.072	MWD+IFR1+MS
12800.000	90.000	179.641	10358.997	34.773	0.000	44.315	-0.000	34.773	0.000	0.000	44.367	42.942	10.780	MWD+IFR1+MS
12900.000	90.000	179.641	10358.997	35.269	0.000	44.692	-0.000	35.269	0.000	0.000	44.748	42.955	9.940	MWD+IFR1+MS
13000.000	90.000	179.641	10358.997	35.776	0.000	45.079	-0.000	35.776	0.000	0.000	45.139	42.969	9.335	MWD+IFR1+MS
13100.000	90.000	179.641	10358.997	36.293	0.000	45.476	-0.000	36.293	0.000	0.000	45.540	42.983	8.867	MWD+IFR1+MS
13200.000	90.000	179.641	10358.997	36.819	0.000	45.883	-0.000	36.819	0.000	0.000	45.950	42.998	8.487	MWD+IFR1+MS
13300.000	90.000	179.641	10358.997	37.354	0.000	46.298	-0.000	37.354	0.000	0.000	46.369	43.013	8.168	MWD+IFR1+MS
13400.000	90.000	179.641	10358.997	37.898	0.000	46.722	-0.000	37.898	0.000	0.000	46.797	43.029	7.892	MWD+IFR1+MS
13500.000	90.000	179.641	10358.997	38.451	0.000	47.155	-0.000	38.451	0.000	0.000	47.233	43.046	7.649	MWD+IFR1+MS
13600.000	90.000	179.641	10358.997	39.011	0.000	47.596	-0.000	39.011	0.000	0.000	47.677	43.064	7.432	MWD+IFR1+MS
13700.000	90.000	179.641	10358.997	39.579	0.000	48.046	-0.000	39.579	0.000	0.000	48.129	43.082	7.234	MWD+IFR1+MS
13800.000	90.000	179.641	10358.997	40.154	0.000	48.503	-0.000	40.154	0.000	0.000	48.589	43.100	7.053	MWD+IFR1+MS
13900.000	90.000	179.641	10358.997	40.737	0.000	48.968	-0.000	40.737	0.000	0.000	49.057	43.120	6.886	MWD+IFR1+MS
14000.000	90.000	179.641	10358.997	41.326	0.000	49.440	-0.000	41.326	0.000	0.000	49.532	43.140	6.730	MWD+IFR1+MS
14100.000	90.000	179.641	10358.997	41.921	0.000	49.920	-0.000	41.921	0.000	0.000	50.013	43.160	6.584	MWD+IFR1+MS
14200.000	90.000	179.641	10358.997	42.522	0.000	50.407	-0.000	42.522	0.000	0.000	50.502	43.182	6.447	MWD+IFR1+MS
14300.000	90.000	179.641	10358.997	43.130	0.000	50.901	-0.000	43.130	0.000	0.000	50.998	43.204	6.317	MWD+IFR1+MS
14400.000	90.000	179.641	10358.997	43.743	0.000	51.401	-0.000	43.743	0.000	0.000	51.500	43.226	6.194	MWD+IFR1+MS
14500.000	90.000	179.641	10358.997	44.361	0.000	51.908	-0.000	44.361	0.000	0.000	52.009	43.250	6.077	MWD+IFR1+MS
14600.000	90.000	179.641	10358.997	44.985	0.000	52.421	-0.000	44.985	0.000	0.000	52.523	43.273	5.966	MWD+IFR1+MS
14700.000	90.000	179.641	10358.997	45.614	0.000	52.940	-0.000	45.614	0.000	0.000	53.044	43.298	5.859	MWD+IFR1+MS
14800.000	90.000	179.641	10358.997	46.247	0.000	53.465	-0.000	46.247	0.000	0.000	53.570	43.323	5.757	MWD+IFR1+MS
14900.000	90.000	179.641	10358.997	46.885	0.000	53.996	-0.000	46.885	0.000	0.000	54.103	43.348	5.659	MWD+IFR1+MS
15000.000	90.000	179.641	10358.997	47.527	0.000	54.532	-0.000	47.527	0.000	0.000	54.640	43.375	5.564	MWD+IFR1+MS
15100.000	90.000	179.641	10358.997	48.174	0.000	55.074	-0.000	48.174	0.000	0.000	55.183	43.402	5.474	MWD+IFR1+MS
15200.000	90.000	179.641	10358.997	48.825	0.000	55.621	-0.000	48.825	0.000	0.000	55.731	43.429	5.386	MWD+IFR1+MS
15300.000	90.000	179.641	10358.997	49.479	0.000	56.174	-0.000	49.479	0.000	0.000	56.284	43.457	5.302	MWD+IFR1+MS
15400.000	90.000	179.641	10358.997	50.138	0.000	56.731	-0.000	50.138	0.000	0.000	56.842	43.486	5.220	MWD+IFR1+MS
15500.000	90.000	179.641	10358.997	50.799	0.000	57.293	-0.000	50.799	0.000	0.000	57.405	43.515	5.141	MWD+IFR1+MS
15600.000	90.000	179.641	10358.997	51.465	0.000	57.860	-0.000	51.465	0.000	0.000	57.973	43.545	5.065	MWD+IFR1+MS
15700.000	90.000	179.641	10358.997	52.133	0.000	58.431	-0.000	52.133	0.000	0.000	58.544	43.575	4.991	MWD+IFR1+MS
15800.000	90.000	179.641	10358.997	52.805	0.000	59.006	-0.000	52.805	0.000	0.000	59.121	43.606	4.919	MWD+IFR1+MS

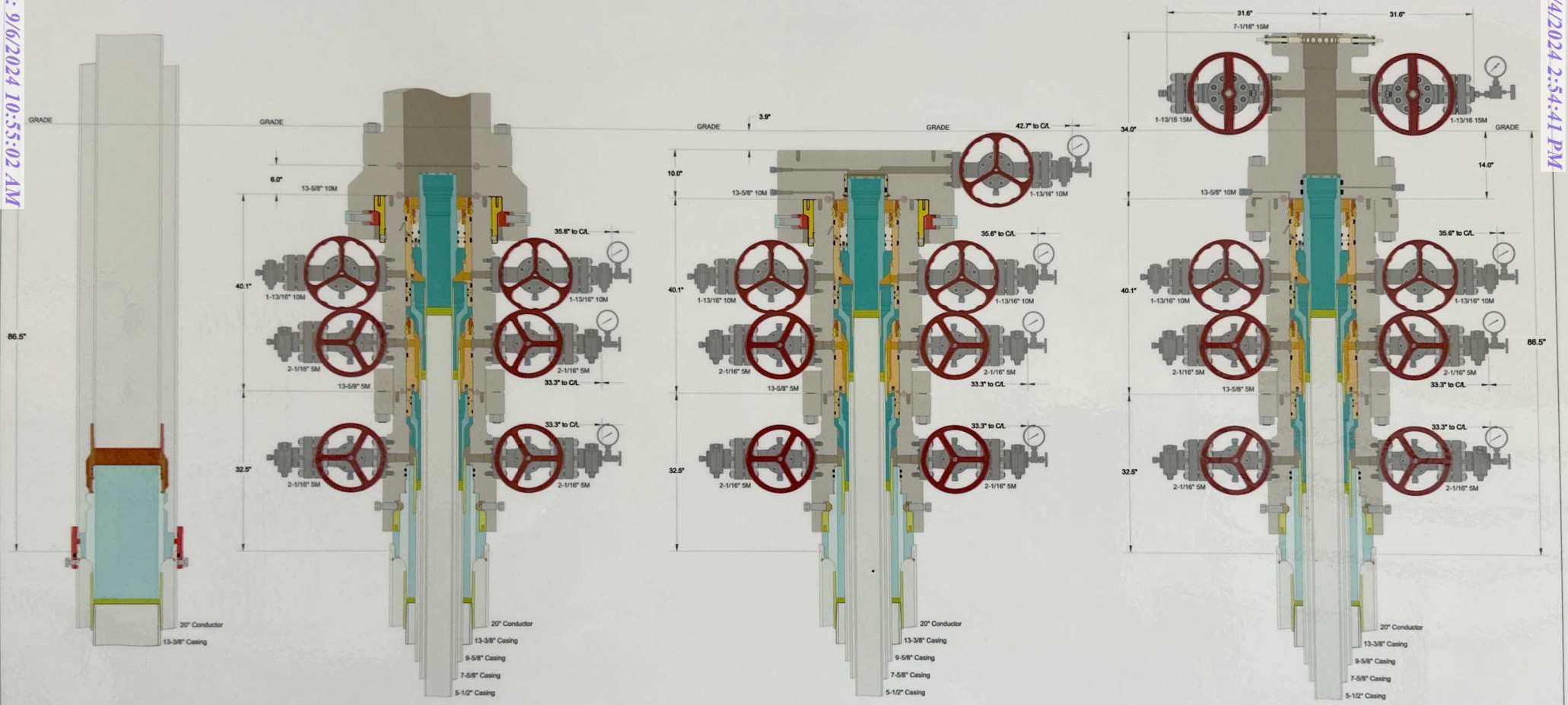
15900.000	90.000	179.641	10358.997	53.480	0.000	59.586	-0.000	53.480	0.000	0.000	59.701	43.638	4.849	MWD+IFR1+MS
16000.000	90.000	179.641	10358.997	54.158	0.000	60.170	-0.000	54.158	0.000	0.000	60.285	43.670	4.782	MWD+IFR1+MS
16100.000	90.000	179.641	10358.997	54.839	0.000	60.758	-0.000	54.839	0.000	0.000	60.874	43.703	4.716	MWD+IFR1+MS
16200.000	90.000	179.641	10358.997	55.522	0.000	61.350	-0.000	55.522	0.000	0.000	61.466	43.736	4.652	MWD+IFR1+MS
16300.000	90.000	179.641	10358.997	56.208	0.000	61.946	-0.000	56.208	0.000	0.000	62.062	43.770	4.590	MWD+IFR1+MS
16400.000	90.000	179.641	10358.997	56.897	0.000	62.546	-0.000	56.897	0.000	0.000	62.662	43.804	4.529	MWD+IFR1+MS
16500.000	90.000	179.641	10358.997	57.588	0.000	63.149	-0.000	57.588	0.000	0.000	63.265	43.839	4.470	MWD+IFR1+MS
16600.000	90.000	179.641	10358.997	58.282	0.000	63.755	-0.000	58.282	0.000	0.000	63.872	43.875	4.413	MWD+IFR1+MS
16700.000	90.000	179.641	10358.997	58.978	0.000	64.365	-0.000	58.978	0.000	0.000	64.482	43.911	4.357	MWD+IFR1+MS
16800.000	90.000	179.641	10358.997	59.676	0.000	64.979	-0.000	59.676	0.000	0.000	65.096	43.947	4.302	MWD+IFR1+MS
16900.000	90.000	179.641	10358.997	60.376	0.000	65.595	-0.000	60.376	0.000	0.000	65.712	43.984	4.249	MWD+IFR1+MS
17000.000	90.000	179.641	10358.997	61.078	0.000	66.215	-0.000	61.078	0.000	0.000	66.332	44.022	4.197	MWD+IFR1+MS
17100.000	90.000	179.641	10358.997	61.782	0.000	66.837	-0.000	61.782	0.000	0.000	66.955	44.060	4.146	MWD+IFR1+MS
17200.000	90.000	179.641	10358.997	62.488	0.000	67.463	-0.000	62.488	0.000	0.000	67.580	44.099	4.097	MWD+IFR1+MS
17300.000	90.000	179.641	10358.997	63.196	0.000	68.091	-0.000	63.196	0.000	0.000	68.208	44.138	4.048	MWD+IFR1+MS
17400.000	90.000	179.641	10358.997	63.906	0.000	68.722	-0.000	63.906	0.000	0.000	68.840	44.178	4.001	MWD+IFR1+MS
17500.000	90.000	179.641	10358.997	64.617	0.000	69.356	-0.000	64.617	0.000	0.000	69.473	44.219	3.954	MWD+IFR1+MS
17600.000	90.000	179.641	10358.997	65.331	0.000	69.993	-0.000	65.331	0.000	0.000	70.110	44.260	3.909	MWD+IFR1+MS
17700.000	90.000	179.641	10358.997	66.045	0.000	70.632	-0.000	66.045	0.000	0.000	70.749	44.301	3.865	MWD+IFR1+MS
17800.000	90.000	179.641	10358.997	66.762	0.000	71.274	-0.000	66.762	0.000	0.000	71.390	44.343	3.821	MWD+IFR1+MS
17900.000	90.000	179.641	10358.997	67.480	0.000	71.918	-0.000	67.480	0.000	0.000	72.034	44.385	3.779	MWD+IFR1+MS
18000.000	90.000	179.641	10358.997	68.199	0.000	72.564	-0.000	68.199	0.000	0.000	72.680	44.428	3.737	MWD+IFR1+MS
18100.000	90.000	179.641	10358.997	68.920	0.000	73.213	-0.000	68.920	0.000	0.000	73.329	44.472	3.697	MWD+IFR1+MS
18200.000	90.000	179.641	10358.997	69.642	0.000	73.864	-0.000	69.642	0.000	0.000	73.979	44.516	3.657	MWD+IFR1+MS
18300.000	90.000	179.641	10358.997	70.365	0.000	74.517	-0.000	70.365	0.000	0.000	74.632	44.561	3.618	MWD+IFR1+MS
18400.000	90.000	179.641	10358.997	71.090	0.000	75.172	-0.000	71.090	0.000	0.000	75.287	44.606	3.579	MWD+IFR1+MS
18500.000	90.000	179.641	10358.997	71.816	0.000	75.829	-0.000	71.816	0.000	0.000	75.944	44.651	3.542	MWD+IFR1+MS
18600.000	90.000	179.641	10358.997	72.544	0.000	76.489	-0.000	72.544	0.000	0.000	76.603	44.697	3.505	MWD+IFR1+MS
18700.000	90.000	179.641	10358.997	73.272	0.000	77.150	-0.000	73.272	0.000	0.000	77.264	44.744	3.469	MWD+IFR1+MS
18800.000	90.000	179.641	10358.997	74.002	0.000	77.813	-0.000	74.002	0.000	0.000	77.927	44.791	3.433	MWD+IFR1+MS
18900.000	90.000	179.641	10358.997	74.733	0.000	78.478	-0.000	74.733	0.000	0.000	78.592	44.838	3.399	MWD+IFR1+MS
19000.000	90.000	179.641	10358.997	75.464	0.000	79.145	-0.000	75.464	0.000	0.000	79.259	44.887	3.365	MWD+IFR1+MS
19100.000	90.000	179.641	10358.997	76.197	0.000	79.814	-0.000	76.197	0.000	0.000	79.927	44.935	3.331	MWD+IFR1+MS

19200.000	90.000	179.641	10358.997	76.931	0.000	80.484	-0.000	76.931	0.000	0.000	80.597	44.984	3.298	MWD+IFR1+MS
19300.000	90.000	179.641	10358.997	77.666	0.000	81.156	-0.000	77.666	0.000	0.000	81.269	45.034	3.266	MWD+IFR1+MS
19400.000	90.000	179.641	10358.997	78.402	0.000	81.830	-0.000	78.402	0.000	0.000	81.942	45.084	3.234	MWD+IFR1+MS
19500.000	90.000	179.641	10358.997	79.139	0.000	82.505	-0.000	79.139	0.000	0.000	82.617	45.134	3.203	MWD+IFR1+MS
19600.000	90.000	179.641	10358.997	79.877	0.000	83.182	-0.000	79.877	0.000	0.000	83.294	45.185	3.173	MWD+IFR1+MS
19700.000	90.000	179.641	10358.997	80.615	0.000	83.860	-0.000	80.615	0.000	0.000	83.972	45.237	3.142	MWD+IFR1+MS
19800.000	90.000	179.641	10358.997	81.355	0.000	84.540	-0.000	81.355	0.000	0.000	84.651	45.289	3.113	MWD+IFR1+MS
19900.000	90.000	179.641	10358.997	82.095	0.000	85.222	-0.000	82.095	0.000	0.000	85.332	45.341	3.084	MWD+IFR1+MS
20000.000	90.000	179.641	10358.997	82.836	0.000	85.904	-0.000	82.836	0.000	0.000	86.015	45.394	3.055	MWD+IFR1+MS
20100.000	90.000	179.641	10358.997	83.578	0.000	86.589	-0.000	83.578	0.000	0.000	86.698	45.448	3.027	MWD+IFR1+MS
20200.000	90.000	179.641	10358.997	84.321	0.000	87.274	-0.000	84.321	0.000	0.000	87.383	45.501	3.000	MWD+IFR1+MS
20300.000	90.000	179.641	10358.997	85.064	0.000	87.961	-0.000	85.064	0.000	0.000	88.070	45.556	2.972	MWD+IFR1+MS
20400.000	90.000	179.641	10358.997	85.808	0.000	88.649	-0.000	85.808	0.000	0.000	88.758	45.611	2.946	MWD+IFR1+MS
20500.000	90.000	179.641	10358.997	86.553	0.000	89.338	-0.000	86.553	0.000	0.000	89.447	45.666	2.919	MWD+IFR1+MS
20600.000	90.000	179.641	10358.997	87.299	0.000	90.029	-0.000	87.299	0.000	0.000	90.137	45.722	2.894	MWD+IFR1+MS
20700.000	90.000	179.641	10358.997	88.045	0.000	90.721	-0.000	88.045	0.000	0.000	90.828	45.778	2.868	MWD+IFR1+MS
20800.000	90.000	179.641	10358.997	88.792	0.000	91.414	-0.000	88.792	0.000	0.000	91.521	45.835	2.843	MWD+IFR1+MS
20900.000	90.000	179.641	10358.997	89.540	0.000	92.108	-0.000	89.540	0.000	0.000	92.215	45.892	2.818	MWD+IFR1+MS
21000.000	90.000	179.641	10358.997	90.288	0.000	92.803	-0.000	90.288	0.000	0.000	92.910	45.949	2.794	MWD+IFR1+MS
21100.000	90.000	179.641	10358.997	91.037	0.000	93.500	-0.000	91.037	0.000	0.000	93.606	46.007	2.770	MWD+IFR1+MS
21200.000	90.000	179.641	10358.997	91.786	0.000	94.197	-0.000	91.786	0.000	0.000	94.303	46.066	2.747	MWD+IFR1+MS
21300.000	90.000	179.641	10358.997	92.536	0.000	94.896	-0.000	92.536	0.000	0.000	95.001	46.125	2.724	MWD+IFR1+MS
21400.000	90.000	179.641	10358.997	93.287	0.000	95.595	-0.000	93.287	0.000	0.000	95.700	46.184	2.701	MWD+IFR1+MS
21500.000	90.000	179.641	10358.997	94.038	0.000	96.296	-0.000	94.038	0.000	0.000	96.400	46.244	2.678	MWD+IFR1+MS
21600.000	90.000	179.641	10358.997	94.790	0.000	96.997	-0.000	94.790	0.000	0.000	97.101	46.304	2.656	MWD+IFR1+MS
21700.000	90.000	179.641	10358.997	95.542	0.000	97.700	-0.000	95.542	0.000	0.000	97.803	46.365	2.634	MWD+IFR1+MS
21800.000	90.000	179.641	10358.997	96.295	0.000	98.403	-0.000	96.295	0.000	0.000	98.506	46.426	2.613	MWD+IFR1+MS
21900.000	90.000	179.641	10358.997	97.048	0.000	99.107	-0.000	97.048	0.000	0.000	99.210	46.488	2.591	MWD+IFR1+MS
22000.000	90.000	179.641	10358.997	97.802	0.000	99.813	-0.000	97.802	0.000	0.000	99.915	46.550	2.571	MWD+IFR1+MS
22100.000	90.000	179.641	10358.997	98.556	0.000	100.519	-0.000	98.556	0.000	0.000	100.621	46.613	2.550	MWD+IFR1+MS
22200.000	90.000	179.641	10358.997	99.311	0.000	101.226	-0.000	99.311	0.000	0.000	101.327	46.676	2.530	MWD+IFR1+MS
22300.000	90.000	179.641	10358.997	100.066	0.000	101.934	-0.000	100.066	0.000	0.000	102.035	46.739	2.510	MWD+IFR1+MS
22400.000	90.000	179.641	10358.997	100.822	0.000	102.642	-0.000	100.822	0.000	0.000	102.743	46.803	2.490	MWD+IFR1+MS

22500.000	90.000	179.641	10358.997	101.578	0.000	103.352	-0.000	101.578	0.000	0.000	103.452	46.867	2.470	MWD+IFR1+MS
22600.000	90.000	179.641	10358.997	102.335	0.000	104.062	-0.000	102.335	0.000	0.000	104.162	46.932	2.451	MWD+IFR1+MS
22700.000	90.000	179.641	10358.997	103.091	0.000	104.773	-0.000	103.091	0.000	0.000	104.873	46.997	2.432	MWD+IFR1+MS
22800.000	90.000	179.641	10358.997	103.849	0.000	105.485	-0.000	103.849	0.000	0.000	105.584	47.062	2.413	MWD+IFR1+MS
22900.000	90.000	179.641	10358.997	104.607	0.000	106.198	-0.000	104.607	0.000	0.000	106.296	47.128	2.395	MWD+IFR1+MS
23000.000	90.000	179.641	10358.997	105.365	0.000	106.911	-0.000	105.365	0.000	0.000	107.009	47.194	2.377	MWD+IFR1+MS
23100.000	90.000	179.641	10358.997	106.123	0.000	107.625	-0.000	106.123	0.000	0.000	107.723	47.261	2.359	MWD+IFR1+MS
23200.983	90.000	179.641	10358.997	106.890	0.000	108.347	-0.000	106.890	0.000	0.000	108.444	47.329	2.341	MWD+IFR1+MS
23291.004	90.000	179.641	10358.997	107.573	0.000	108.990	-0.000	107.573	0.000	0.000	109.087	47.390	2.325	MWD+IFR1+MS

Plan Targets Poker Lake Unit 21 DTD South 127H

Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
FTP 5	10699.51	440445.20	640109.50	6932.00	RECTANGLE
SHL 15	13141.53	439142.67	639658.62	8508.00	RECTANGLE
LTP 5	23201.00	427456.10	640190.90	6932.00	RECTANGLE
BHL 5	23290.99	427366.10	640191.30	6932.00	RECTANGLE



ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC	XTO ENERGY INC DELAWARE BASIN		
(20") x 13-3/8" x 9-5/8" x 7-5/8" x 5-1/2" MBU-4T-CFL-R-DBLO With 13-5/8" 10M x 7-1/16" 15M CTH-DBLHPS-SB Tubing Head And Drilling & Skid Configurations	DRAWN	DLE	10SEP21
	APPRV		
	DRAWING NO.	SDT-3301	

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	–

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.

U. S. Steel Tubular Products
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Spring, Texas 77380

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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]

Notes

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

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10,000 PSI Annular BOP Variance Request

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

1. Component and Preventer Compatibility Tables

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

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

2. Well Control Procedures

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

General Procedure While Drilling

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

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

General Procedure While Tripping

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

General Procedure While Running Production Casing

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

General Procedure With No Pipe In Hole (Open Hole)

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

General Procedures While Pulling BHA Through Stack

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

h. Regroup and identify forward plan

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

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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. OSPINOS

TITLE: QUALITY ASSURANCE

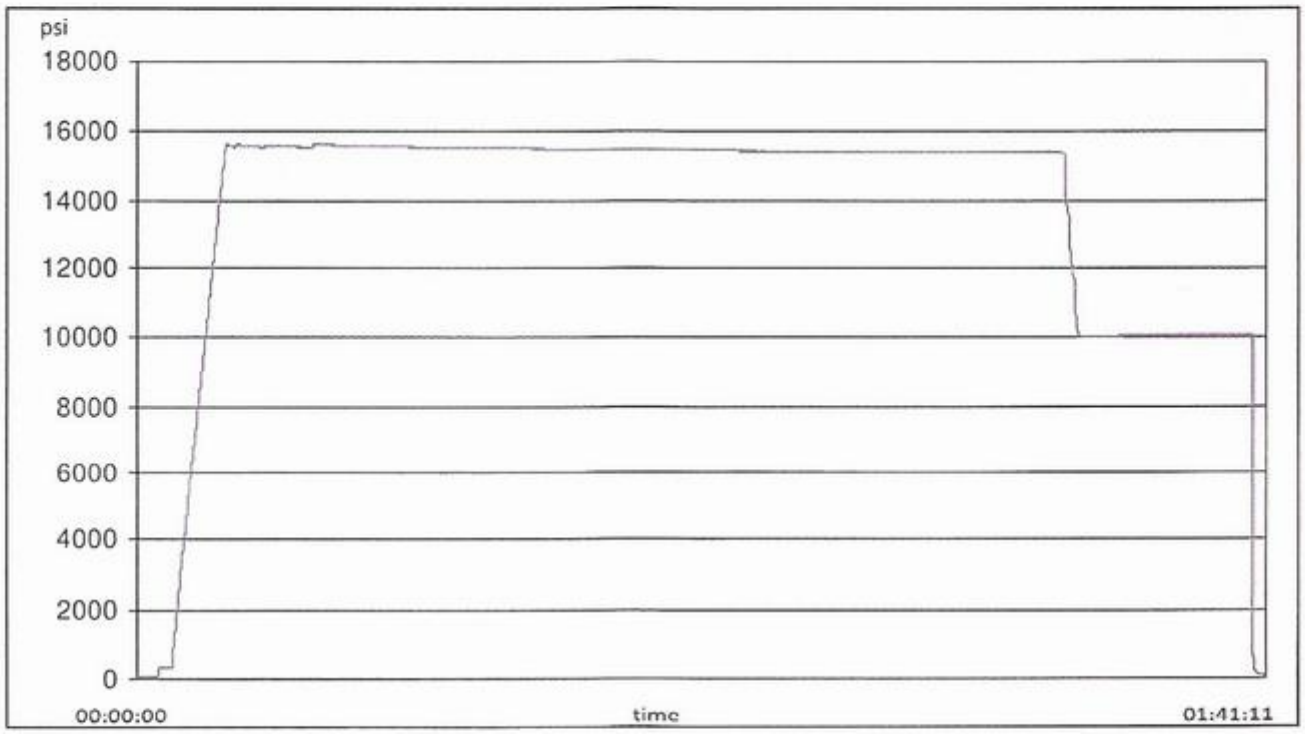
DATE: 1/25/2024

H3-15716

1/25/2024 11:48:06 AM

TEST REPORT

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



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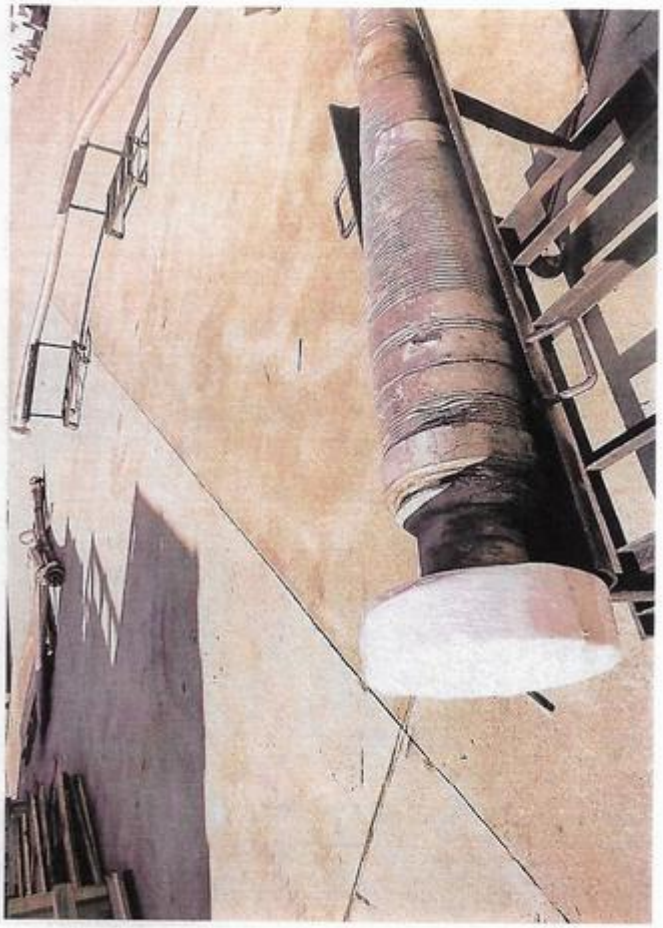
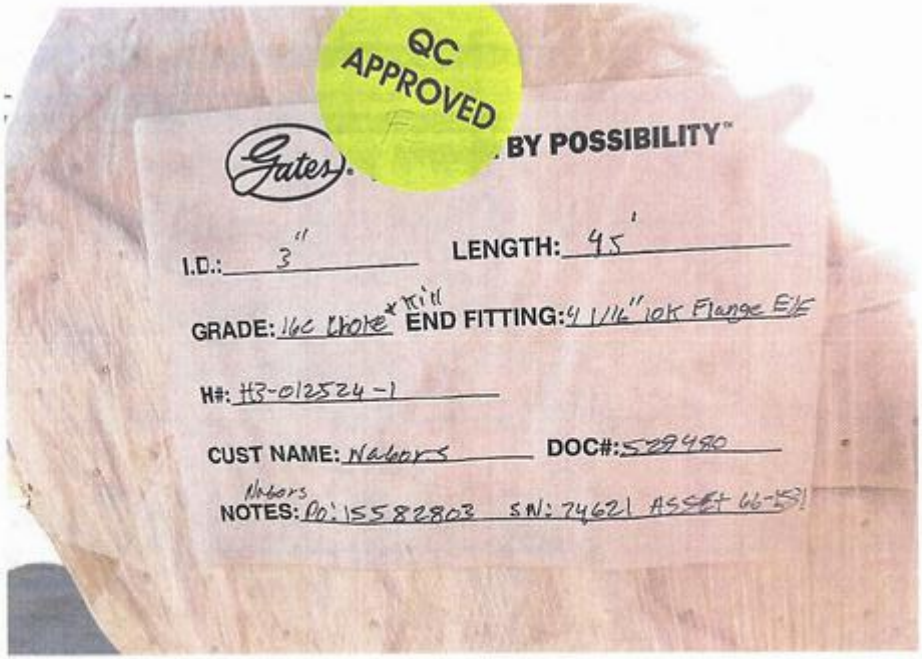
TEST REPORT

GAUGE TRACEABILITY

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

Comment





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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: 380699
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	All original COA's still apply. Additionally, if cement is not circulated to surface during cementing operations, then a CBL is required.	9/6/2024