Well Number: 172H

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMLC0068430

Unit or CA Name: POKER LAKE UNIT

Unit or CA Number: NMNM71016X

US Well Number: 3001553259

Operator: XTO PERMIAN OPERATING LLC

Notice of Intent

Sundry ID: 2784111

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 04/09/2024

Time Sundry Submitted: 12:54

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: 386' FNL & 984' FWL OF SECTION 21-T24S-R30E 100' FNL & 1479' FWL OF SECTION 21-T24S-R30E LTP: 329' FNL & 990' FWL OF SECTION 33-T23S-R30E 2541' FNL & 1479' FWL OF SECTION 33-T24S-R30E BHL: 200' FNL & 990' FWL OF SECTION 33-T23S-R30E 2631' FNL & 1479' FWL OF SECTION 33-T24S-R30E The proposed total depth is changing from 32968' MD; 11274' TVD (Wolfcamp) to 24679' MD; 11841' TVD (Wolfcamp D). A saturated salt brine will be utilized while drilling through the salt formations. See attached Drilling Plan for updated cement and casing program. Attachments: C-102, Drilling Plan, Directional Plan, MBS, BOP Variance, Well Control Plan, 10 BOP and Choke Manifold diagram.

NOI Attachments

Procedure Description

PLU_21_DTD_172H_Sundry_Attachments_20240816090150.pdf

CONFIDENTIAL

NMNM71016X

US Well Number: 3001553259 **Operator:** XTO PERMIAN OPERATING LLC

Conditions of Approval

Additional

Poker_Lake_Unit_21_DTD_172H_COA_20240911151202.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:** AUG 16, 2024 09:02 AM

Name: XTO PERMIAN OPERATING LLC

Title: Regulatory Advisor

Street Address: 6401 HOLIDAY HILL ROAD SUITE 200

City: MIDLAND **State:** TX

Phone: (432) 999-3107

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

Field

Representative Name:

Street Address:

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

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS **BLM POC Title:** Petroleum Engineer

BLM POC Phone: 5752342234 **BLM POC Email Address:** cwalls@blm.gov

Disposition: Approved **Disposition Date:** 09/13/2024

Signature: Chris Walls

CONFIDENTIAL

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. NMLC068430

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/172H

2. Name of Operator XTO PERMIAN OPERATING LLC

9. API Well No. 3001553259

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 21/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: 386' FNL & 984' FWL OF SECTION 21-T24S-R30E 100' FNL & 1479' FWL OF SECTION 21-T24S-R30E
LTP: 329' FNL & 990' FWL OF SECTION 33-T23S-R30E 2541' FNL & 1479' FWL OF SECTION 33-T24S-R30E
BHL: 200' FNL & 990' FWL OF SECTION 33-T23S-R30E 2631' FNL & 1479' FWL OF SECTION 33-T24S-R30E

The proposed total depth is changing from 32968 MD; 11274 TVD (Wolfcamp) to 24679 MD; 11841 TVD (Wolfcamp D).

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

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 08/16/2024

THE SPACE FOR FEDERAL OR STATE OFICE USE

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

Title Petroleum Engineer

Date 09/13/2024

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

Office CARLSBAD

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

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

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

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

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect 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

See attached Drilling Plan for updated cement and casing program.

Attachments: C-102, Drilling Plan, Directional Plan, MBS, BOP Variance, Well Control Plan, 10 BOP and Choke Manifold diagram.

Location of Well

0. SHL: NWNW / 391 FNL / 878 FWL / TWSP: 24S / RANGE: 30E / SECTION: 21 / LAT: 32.209388 / LONG: -103.892046 (TVD: 0 feet, MD: 0 feet)

PPP: NWNW / 386 FNL / 984 FWL / TWSP: 24S / RANGE: 30E / SECTION: 21 / LAT: 32.209401 / LONG: -103.891704 (TVD: 11274 feet, MD: 11620 feet)

BHL: NWNW / 200 FNL / 990 FWL / TWSP: 23S / RANGE: 30E / SECTION: 33 / LAT: 32.268083 / LONG: -103.891683 (TVD: 11274 feet, MD: 32968 feet)

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

El

OPERATOR'S NAME:	XTO
LEASE NO.:	**NMLC068430**
LOCATION:	Sec. 21, T.24 S, R 30 E
COUNTY:	Eddy County, New Mexico
WELL NAME & NO.:	Poker Lake Unit 21 DTD 172H
SURFACE HOLE FOOTAGE:	391'/N & 878'/W
BOTTOM HOLE FOOTAGE:	2631'/N & 1479'/W

*Changes approved through engineering via **Sundry 2784111**_ on 9-11-2024_. Any previous COAs not addressed within the updated COAs still apply.*

COA

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

A. HYDROGEN SULFIDE

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

B. CASING

1. The **13-3/8** inch surface casing shall be set at approximately **980** feet (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.

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

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

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

2. The minimum required fill of cement behind the **9-5/8** 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 6340'**

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 Intermediate 2 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 **10,000 (10M)** psi. **Variance is approved to use a 5000 (5M) Annular which shall be tested to 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 9/11/2024
575-234-5998 / zstevens@blm.gov

Received by OCD: 9/16/2024 12:14:47 PM

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-015- 53259	98220	PURPLE SAGE;WOLFCAMP (GAS)

[4] Property Code	[5] Property Name	[6] Well Number
333571	POKER LAKE UNIT 21 DTD	172H

[7] OGRID No.	[8] Operator Name	[9] Elevation
373075	XTO PERMIAN OPERATING, LLC.	3,320'

[10] Surface Location

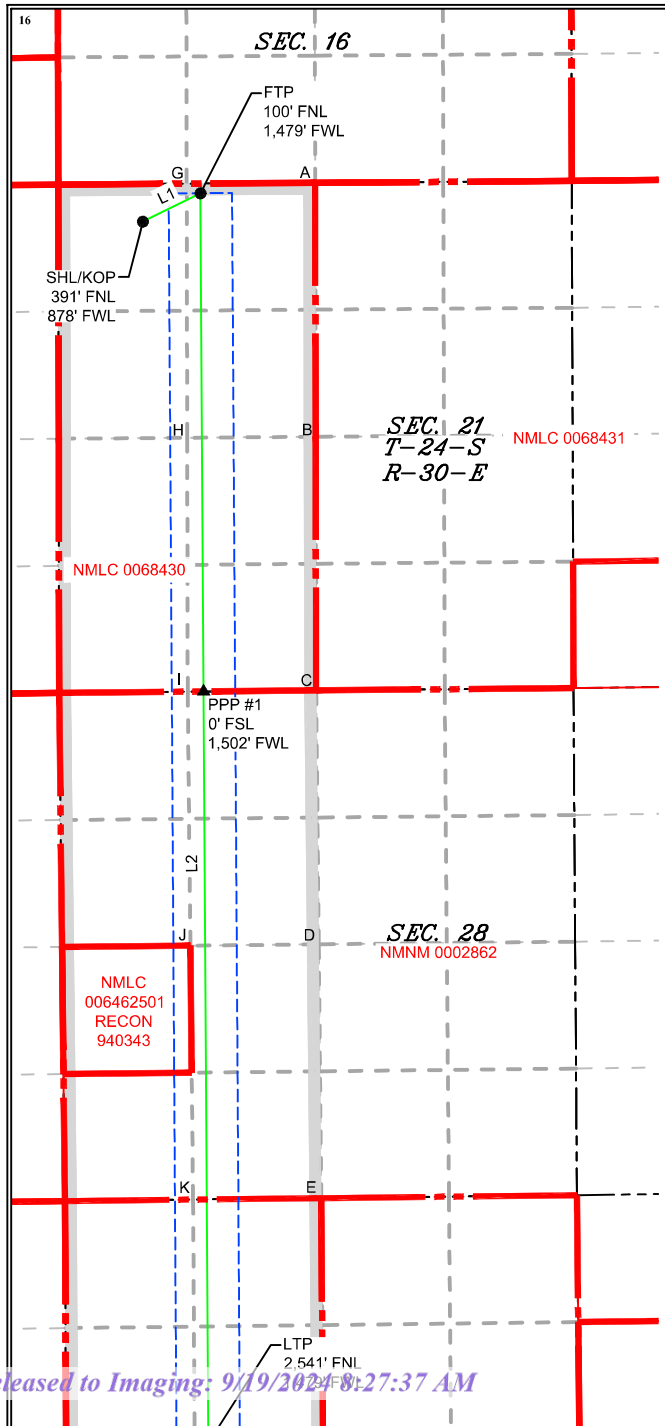
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	21	24S	30E		391	NORTH	878	WEST	EDDY

[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
F	33	24S	30E		2,631	NORTH	1,479	WEST	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	063°51'09"	668.65'
L2	179°38'24"	13,094.68'

COORDINATE TABLE					
SHL (NAD 83 NME)				SHL (NAD 27 NME)	
Y =	440,189.6	N		Y =	440,130.3	N
X =	677,820.1	E		X =	636,636.4	E
LAT. =	32.209388	°N		LAT. =	32.209264	°N
LONG. =	103.892046	°W		LONG. =	103.891559	°W
FTP (NAD 83 NME)				FTP (NAD 27 NME)	
Y =	440,484.3	N		Y =	440,425.0	N
X =	678,420.3	E		X =	637,236.6	E
LAT. =	32.210191	°N		LAT. =	32.210067	°N
LONG. =	103.890101	°W		LONG. =	103.889614	°W
PPP #1 (NAD 83 NME)				PPP #1 (NAD 27 NME)	
Y =	435,301.9	N		Y =	435,242.7	N
X =	678,453.0	E		X =	637,269.0	E
LAT. =	32.195945	°N		LAT. =	32.195821	°N
LONG. =	103.890065	°W		LONG. =	103.889579	°W
LTP (NAD 83 NME)				LTP (NAD 27 NME)	
Y =	427,479.9	N		Y =	427,420.9	N
X =	678,502.2	E		X =	637,318.0	E
LAT. =	32.174443	°N		LAT. =	32.174319	°N
LONG. =	103.890010	°W		LONG. =	103.889525	°W
BHL (NAD 83 NME)				BHL (NAD 27 NME)	
Y =	427,389.9	N		Y =	427,330.9	N
X =	678,502.6	E		X =	637,318.5	E
LAT. =	32.174196	°N		LAT. =	32.174071	°N
LONG. =	103.890010	°W		LONG. =	103.889524	°W
CORNER COORDINATES (NAD 83 NME)					
A - Y =	440,592.6	N		A - X =	679,615.4	E
B - Y =	437,951.0	N		B - X =	679,621.2	E
C - Y =	435,312.8	N		C - X =	679,626.9	E
D - Y =	432,672.7	N		D - X =	679,653.1	E
E - Y =	430,034.0	N		E - X =	679,679.3	E
F - Y =	427,394.5	N		F - X =	679,699.4	E
G - Y =	440,583.3	N		G - X =	678,278.3	E
H - Y =	437,940.9	N		H - X =	678,283.6	E
I - Y =	435,300.4	N		I - X =	678,288.8	E
J - Y =	432,659.0	N		J - X =	678,316.8	E
K - Y =	430,019.0	N		K - X =	678,344.9	E
L - Y =	427,374.3	N		L - X =	678,361.6	E
CORNER COORDINATES (NAD 27 NME)					
A - Y =	440,533.3	N		A - X =	638,431.7	E
B - Y =	437,891.8	N		B - X =	638,437.3	E
C - Y =	435,253.7	N		C - X =	638,443.0	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 7/15/2024
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

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M:\003 Poker Lake Unit\.07 - PLU 21 DTD - EDDY\Wells\-45 - 172H\DWG\172H C-102.dwg

Intent [X] As Drilled [ ]

API #
30-15-

Operator Name:	Property Name:	Well Number
XTO PERMAIN OPERATING, LLC.	POKER LAKE UNIT 21 DTD	172H

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
C	21	24S	30E		100	NORTH	1,479	WEST	EDDY

Latitude	Longitude	NAD
32.210191	-103.890101	83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
F	33	24S	30E		2,541	NORTH	1,479	WEST	EDDY

Latitude	Longitude	NAD
32.174443	-103.890010	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 172H
Projected TD: 24679.63' MD / 11841' TVD
SHL: 391' FNL & 878' FWL , Section 21, T24S, R30E
BHL: 2631' FNL & 1479' FWL , 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	882'	Water
Top of Salt	1285'	Water
Base of Salt	3478'	Water
Delaware	3672'	Water
Brushy Canyon	6218'	Water/Oil/Gas
Bone Spring	7542'	Water
Avalon	8235'	Water/Oil/Gas
1st Bone Spring	8251'	Water/Oil/Gas
2nd Bone Spring	8836'	Water/Oil/Gas
3rd Bone Spring	9662'	Water/Oil/Gas
Wolfcamp	10847'	Water/Oil/Gas
Wolfcamp X	10868'	Water/Oil/Gas
Wolfcamp Y	10949'	Water/Oil/Gas
Wolfcamp A	10996'	Water/Oil/Gas
Wolfcamp B	11379'	Water/Oil/Gas
Wolfcamp C	11584'	Water/Oil/Gas
Wolfcamp D	11811'	Water/Oil/Gas
Target/Land Curve	11841'	Water/Oil/Gas

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

No other formations are expected to yield oil, gas or fresh water in measurable volumes. The surface fresh water sands will be protected by setting 9.625 inch casing @ 982' (303' above the salt) and circulating cement back to surface. The intermediate will isolate from the top of salt down to the next casing seat by setting 7.625 inch casing at 10976.48' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 24679.63 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 10676.48 feet).

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0' – 982'	9.625	40	J-55	BTC	New	1.51	6.41	16.04
8.75	0' – 4000'	7.625	29.7	RY P-110	Flush Joint	New	1.88	2.92	1.71
8.75	4000' – 10976.48'	7.625	29.7	HC L-80	Flush Joint	New	1.37	2.18	1.96
6.75	0' – 10876.48'	5.5	20	RY P-110	Semi-Premium	New	1.05	1.58	1.93
6.75	10876.48' - 24679.63'	5.5	20	RY P-110	Semi-Flush	New	1.05	1.45	1.93

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

- 7.625 Collapse analyzed using 50% evacuation based on regional experience.
- 5.5 Tension calculated using vertical hanging weight plus the lateral weight multiplied by a friction factor of 0.35

Wellhead:

Permanent Wellhead – Multibowl System

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

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

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

4. Cement Program

Surface Casing: 9.625, 40 New BTC, J-55 casing to be set at +/- 982'

Lead: 220 sxs EconoCem-HLTRRC (mixed at 10.5 ppg, 1.87 ft3/sx, 10.13 gal/sx water)
Tail: 130 sxs Class C + 2% CaCl (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)
Top of Cement: Surface
Compressives: 12-hr = 900 psi 24 hr = 1500 psi

2nd Intermediate Casing: 7.625, 29.7 New casing to be set at +/- 10976.48'
1st Stage
Optional Lead: 330 sxs Class C (mixed at 10.5 ppg, 2.77 ft3/sx, 15.59 gal/sx water)
TOC: Surface
Tail: 440 sxs Class C (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)
TOC: Brushy Canyon @ 6218
Compressives: 12-hr = 900 psi 24 hr = 1150 psi

2nd Stage
Lead: 0 sxs Class C (mixed at 12.9 ppg, 2.16 ft3/sx, 9.61 gal/sx water)
Tail: 700 sxs Class C (mixed at 14.8 ppg, 1.33 ft3/sx, 6.39 gal/sx water)
Top of Cement: 0
Compressives: 12-hr = 900 psi 24 hr = 1150 psi

XTO requests to pump a two stage cement job on the 7-5/8" intermediate casing string with the first stage being pumped conventionally with the calculated top of cement at the Brush Canyon (6218') and the second stage performed as a bradenhead squeeze with planned cement from the Brushy Canyon to surface. If cement is not visually confirmed to circulate to surface, the final cement top after the second stage job will be verified by Echo-meter. If necessary, a top out consisting of 1,500 sack of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (2.30 yld, 12.91 ppg) will be executed as a contingency. If cement is still unable to circulate to surface, another Echo-meter run will be performed for cement top verification.

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

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

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

Production Casing: 5.5, 20 New Semi-Flush, RY P-110 casing to be set at +/- 24679.63'

Lead: 20 sxs NeoCem (mixed at 13.2 ppg, 2.69 ft3/sx, 15.00 gal/sx water) Top of Cement: 10676.48 feet
Tail: 970 sxs VersaCem (mixed at 14.5 ppg, 1.51 ft3/sx, 8.38 gal/sx water) Top of Cement: 11176.48 feet
Compressives: 12-hr = 800 psi 24 hr = 1500 psi

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

5. Pressure Control Equipment

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

All BOP testing will be done by an independent service company. Annular pressure tests will be limited to 50% of the working pressure. When nippling up on the 9.625, 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.

6. Proposed Mud Circulation System

INTERVAL	Hole Size	Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)	Additional Comments
0' - 982'	12.25	FW/Native	8.5-9	35-40	NC	Fresh water or native water
982' - 10976.48'	8.75	Saturated brine for salt interval / Direct emulsion	10-10.5	30-32	NC	Fully saturated salt across salado / salt
10976.48' - 24679.63'	6.75	OBM	13-13.5	50-60	NC - 20	N/A

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

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

7. Auxiliary Well Control and Monitoring Equipment

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

8. Logging, Coring and Testing Program

Open hole logging will not be done on this well.

9. Abnormal Pressures and Temperatures / Potential Hazards

None Anticipated. BHT of 180 to 200 F is anticipated. No H2S is expected but monitors will be in place to detect any H2S occurrences. Should these circumstances be encountered the operator and drilling contractor are prepared to take all necessary steps to ensure safety of all personnel and environment. Lost circulation could occur but is not expected to be a serious problem in this area and hole seepage will be compensated for by additions of small amounts of LCM in the drilling fluid. The maximum anticipated bottom hole pressure for this well is 7635 psi.

10. Anticipated Starting Date and Duration of Operations

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

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Well Plan Report - Poker Lake Unit 21 DTD South 172H

Measured Depth:	24679.63 ft
TVD RKB:	11841.00 ft
Location	
Cartographic Reference System:	New Mexico East - NAD 27
Northing:	440130.30 ft
Easting:	636636.40 ft
RKB:	3352.00 ft
Ground Level:	3320.00 ft
North Reference:	Grid
Convergence Angle:	0.24 Deg

Plan Sections Poker Lake Unit 21 DTD South 172H

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	
1558.69	9.17	63.85	1556.73	16.15	32.89	2.00	0.00	2.00	
5292.99	9.17	63.85	5243.27	278.55	567.31	0.00	0.00	0.00	
5751.68	0.00	0.00	5700.00	294.70	600.20	-2.00	0.00	2.00	
11176.48	0.00	0.00	11124.80	294.70	600.20	0.00	0.00	0.00	
12301.48	90.00	179.64	11841.00	-421.48	604.69	8.00	0.00	8.00	
24589.52	90.00	179.64	11841.00	-12709.28	681.68	0.00	0.00	0.00	LTP 21
24679.63	90.00	179.64	11841.00	-12799.39	682.25	0.00	0.00	0.00	BHL 21

Position Uncertainty Poker Lake Unit 21 DTD South 172H

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

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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	2.309	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	2.406	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	2.443	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	2.580	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	2.633	0.000	0.000	4.752	3.849	128.859	MWD+IFR1+MS
1200.000	2.000	63.849	1199.980	5.142	0.000	4.372	0.000	2.690	0.000	0.000	5.234	4.265	-44.661	MWD+IFR1+MS
1300.000	4.000	63.849	1299.838	5.901	0.000	4.752	0.000	2.750	0.000	0.000	5.924	4.735	-32.670	MWD+IFR1+MS
1400.000	6.000	63.849	1399.452	6.585	0.000	5.129	0.000	2.815	0.000	0.000	6.605	5.129	-26.469	MWD+IFR1+MS
1500.000	8.000	63.849	1498.702	7.214	0.000	5.504	0.000	2.888	0.000	0.000	7.253	5.498	-23.006	MWD+IFR1+MS
1558.692	9.174	63.849	1556.735	7.429	0.000	5.712	0.000	2.926	0.000	0.000	7.484	5.704	-22.522	MWD+IFR1+MS
1600.000	9.174	63.849	1597.514	7.543	0.000	5.856	0.000	2.952	0.000	0.000	7.598	5.848	-22.509	MWD+IFR1+MS
1700.000	9.174	63.849	1696.235	7.819	0.000	6.216	0.000	3.025	0.000	0.000	7.871	6.208	-22.249	MWD+IFR1+MS
1800.000	9.174	63.849	1794.956	8.114	0.000	6.592	0.000	3.102	0.000	0.000	8.165	6.581	-21.560	MWD+IFR1+MS
1900.000	9.174	63.849	1893.677	8.416	0.000	6.967	0.000	3.181	0.000	0.000	8.465	6.953	-20.875	MWD+IFR1+MS
2000.000	9.174	63.849	1992.398	8.724	0.000	7.342	0.000	3.263	0.000	0.000	8.771	7.325	-20.197	MWD+IFR1+MS
2100.000	9.174	63.849	2091.119	9.036	0.000	7.717	0.000	3.348	0.000	0.000	9.083	7.697	-19.524	MWD+IFR1+MS
2200.000	9.174	63.849	2189.840	9.354	0.000	8.091	0.000	3.434	0.000	0.000	9.399	8.068	-18.858	MWD+IFR1+MS
2300.000	9.174	63.849	2288.561	9.675	0.000	8.465	0.000	3.523	0.000	0.000	9.719	8.438	-18.199	MWD+IFR1+MS
2400.000	9.174	63.849	2387.282	10.001	0.000	8.838	0.000	3.613	0.000	0.000	10.043	8.809	-17.549	MWD+IFR1+MS
2500.000	9.174	63.849	2486.003	10.329	0.000	9.212	0.000	3.706	0.000	0.000	10.370	9.179	-16.907	MWD+IFR1+MS
2600.000	9.174	63.849	2584.723	10.661	0.000	9.585	0.000	3.800	0.000	0.000	10.701	9.550	-16.275	MWD+IFR1+MS
2700.000	9.174	63.849	2683.444	10.996	0.000	9.959	0.000	3.896	0.000	0.000	11.034	9.920	-15.651	MWD+IFR1+MS
2800.000	9.174	63.849	2782.165	11.333	0.000	10.332	0.000	3.994	0.000	0.000	11.370	10.290	-15.038	MWD+IFR1+MS
2900.000	9.174	63.849	2880.886	11.673	0.000	10.705	0.000	4.093	0.000	0.000	11.708	10.659	-14.435	MWD+IFR1+MS

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3000.000	9.174	63.849	2979.607	12.015	0.000	11.077	0.000	4.194	0.000	0.000	12.048	11.029	-13.843	MWD+IFR1+MS
3100.000	9.174	63.849	3078.328	12.359	0.000	11.450	0.000	4.297	0.000	0.000	12.390	11.399	-13.261	MWD+IFR1+MS
3200.000	9.174	63.849	3177.049	12.704	0.000	11.823	0.000	4.401	0.000	0.000	12.735	11.768	-12.691	MWD+IFR1+MS
3300.000	9.174	63.849	3275.770	13.052	0.000	12.195	0.000	4.506	0.000	0.000	13.080	12.138	-12.131	MWD+IFR1+MS
3400.000	9.174	63.849	3374.491	13.401	0.000	12.568	0.000	4.613	0.000	0.000	13.427	12.508	-11.583	MWD+IFR1+MS
3500.000	9.174	63.849	3473.212	13.751	0.000	12.940	0.000	4.722	0.000	0.000	13.776	12.877	-11.047	MWD+IFR1+MS
3600.000	9.174	63.849	3571.933	14.102	0.000	13.313	0.000	4.832	0.000	0.000	14.126	13.247	-10.522	MWD+IFR1+MS
3700.000	9.174	63.849	3670.654	14.455	0.000	13.685	0.000	4.943	0.000	0.000	14.477	13.617	-10.008	MWD+IFR1+MS
3800.000	9.174	63.849	3769.374	14.809	0.000	14.057	0.000	5.056	0.000	0.000	14.829	13.986	-9.506	MWD+IFR1+MS
3900.000	9.174	63.849	3868.095	15.164	0.000	14.430	0.000	5.170	0.000	0.000	15.182	14.356	-9.016	MWD+IFR1+MS
4000.000	9.174	63.849	3966.816	15.520	0.000	14.802	0.000	5.286	0.000	0.000	15.536	14.726	-8.537	MWD+IFR1+MS
4100.000	9.174	63.849	4065.537	15.877	0.000	15.174	0.000	5.404	0.000	0.000	15.891	15.095	-8.069	MWD+IFR1+MS
4200.000	9.174	63.849	4164.258	16.235	0.000	15.546	0.000	5.523	0.000	0.000	16.246	15.465	-7.613	MWD+IFR1+MS
4300.000	9.174	63.849	4262.979	16.594	0.000	15.918	0.000	5.643	0.000	0.000	16.603	15.835	-7.168	MWD+IFR1+MS
4400.000	9.174	63.849	4361.700	16.953	0.000	16.290	0.000	5.765	0.000	0.000	16.960	16.205	-6.734	MWD+IFR1+MS
4500.000	9.174	63.849	4460.421	17.313	0.000	16.662	0.000	5.889	0.000	0.000	17.317	16.575	-6.311	MWD+IFR1+MS
4600.000	9.174	63.849	4559.142	17.674	0.000	17.034	0.000	6.014	0.000	0.000	17.676	16.945	-5.899	MWD+IFR1+MS
4700.000	9.174	63.849	4657.863	18.035	0.000	17.406	0.000	6.141	0.000	0.000	18.035	17.315	-5.498	MWD+IFR1+MS
4800.000	9.174	63.849	4756.584	18.397	0.000	17.778	0.000	6.269	0.000	0.000	18.394	17.685	-5.107	MWD+IFR1+MS
4900.000	9.174	63.849	4855.305	18.759	0.000	18.150	0.000	6.400	0.000	0.000	18.754	18.055	-4.727	MWD+IFR1+MS
5000.000	9.174	63.849	4954.025	19.122	0.000	18.522	0.000	6.532	0.000	0.000	19.114	18.425	-4.356	MWD+IFR1+MS
5100.000	9.174	63.849	5052.746	19.486	0.000	18.893	0.000	6.665	0.000	0.000	19.475	18.795	-3.996	MWD+IFR1+MS
5200.000	9.174	63.849	5151.467	19.850	0.000	19.265	0.000	6.801	0.000	0.000	19.836	19.166	-3.646	MWD+IFR1+MS
5292.988	9.174	63.849	5243.265	20.187	0.000	19.610	0.000	6.928	0.000	0.000	20.171	19.510	-3.398	MWD+IFR1+MS
5300.000	9.034	63.849	5250.189	20.214	0.000	19.635	0.000	6.938	0.000	0.000	20.195	19.535	-3.411	MWD+IFR1+MS
5400.000	7.034	63.849	5349.203	20.618	0.000	19.998	0.000	7.078	0.000	0.000	20.579	19.901	-4.081	MWD+IFR1+MS
5500.000	5.034	63.849	5448.644	21.085	0.000	20.363	0.000	7.219	0.000	0.000	21.054	20.263	-5.542	MWD+IFR1+MS
5600.000	3.034	63.849	5548.391	21.518	0.000	20.722	0.000	7.355	0.000	0.000	21.523	20.619	-6.593	MWD+IFR1+MS
5700.000	1.034	63.849	5648.323	21.918	0.000	21.076	0.000	7.486	0.000	0.000	21.983	20.968	-7.365	MWD+IFR1+MS
5751.680	0.000	0.000	5700.000	21.167	0.000	22.143	0.000	7.553	0.000	0.000	22.161	21.149	-7.722	MWD+IFR1+MS
5800.000	0.000	0.000	5748.320	21.335	0.000	22.297	0.000	7.615	0.000	0.000	22.315	21.316	-7.811	MWD+IFR1+MS
5900.000	0.000	0.000	5848.320	21.680	0.000	22.620	0.000	7.745	0.000	0.000	22.639	21.660	-8.071	MWD+IFR1+MS
6000.000	0.000	0.000	5948.320	22.029	0.000	22.947	0.000	7.878	0.000	0.000	22.968	22.008	-8.541	MWD+IFR1+MS

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6100.000	0.000	0.000	6048.320	22.379	0.000	23.276	0.000	8.013	0.000	0.000	23.298	22.355	-9.014	MWD+IFR1+MS
6200.000	0.000	0.000	6148.320	22.729	0.000	23.605	0.000	8.150	0.000	0.000	23.629	22.703	-9.489	MWD+IFR1+MS
6300.000	0.000	0.000	6248.320	23.079	0.000	23.935	0.000	8.290	0.000	0.000	23.962	23.051	-9.968	MWD+IFR1+MS
6400.000	0.000	0.000	6348.320	23.430	0.000	24.266	0.000	8.432	0.000	0.000	24.295	23.400	-10.450	MWD+IFR1+MS
6500.000	0.000	0.000	6448.320	23.780	0.000	24.597	0.000	8.577	0.000	0.000	24.628	23.748	-10.933	MWD+IFR1+MS
6600.000	0.000	0.000	6548.320	24.131	0.000	24.930	0.000	8.725	0.000	0.000	24.963	24.097	-11.419	MWD+IFR1+MS
6700.000	0.000	0.000	6648.320	24.482	0.000	25.263	0.000	8.875	0.000	0.000	25.298	24.445	-11.907	MWD+IFR1+MS
6800.000	0.000	0.000	6748.320	24.834	0.000	25.596	0.000	9.027	0.000	0.000	25.635	24.794	-12.396	MWD+IFR1+MS
6900.000	0.000	0.000	6848.320	25.185	0.000	25.931	0.000	9.182	0.000	0.000	25.971	25.143	-12.886	MWD+IFR1+MS
7000.000	0.000	0.000	6948.320	25.537	0.000	26.266	0.000	9.340	0.000	0.000	26.309	25.493	-13.377	MWD+IFR1+MS
7100.000	0.000	0.000	7048.320	25.889	0.000	26.602	0.000	9.501	0.000	0.000	26.647	25.842	-13.869	MWD+IFR1+MS
7200.000	0.000	0.000	7148.320	26.241	0.000	26.938	0.000	9.664	0.000	0.000	26.986	26.191	-14.361	MWD+IFR1+MS
7300.000	0.000	0.000	7248.320	26.593	0.000	27.275	0.000	9.830	0.000	0.000	27.325	26.541	-14.853	MWD+IFR1+MS
7400.000	0.000	0.000	7348.320	26.946	0.000	27.612	0.000	9.999	0.000	0.000	27.666	26.891	-15.346	MWD+IFR1+MS
7500.000	0.000	0.000	7448.320	27.298	0.000	27.950	0.000	10.170	0.000	0.000	28.006	27.240	-15.837	MWD+IFR1+MS
7600.000	0.000	0.000	7548.320	27.651	0.000	28.288	0.000	10.344	0.000	0.000	28.347	27.590	-16.328	MWD+IFR1+MS
7700.000	0.000	0.000	7648.320	28.004	0.000	28.627	0.000	10.521	0.000	0.000	28.689	27.940	-16.818	MWD+IFR1+MS
7800.000	0.000	0.000	7748.320	28.357	0.000	28.966	0.000	10.701	0.000	0.000	29.031	28.291	-17.306	MWD+IFR1+MS
7900.000	0.000	0.000	7848.320	28.710	0.000	29.306	0.000	10.883	0.000	0.000	29.374	28.641	-17.793	MWD+IFR1+MS
8000.000	0.000	0.000	7948.320	29.063	0.000	29.647	0.000	11.069	0.000	0.000	29.717	28.991	-18.278	MWD+IFR1+MS
8100.000	0.000	0.000	8048.320	29.417	0.000	29.987	0.000	11.257	0.000	0.000	30.061	29.342	-18.760	MWD+IFR1+MS
8200.000	0.000	0.000	8148.320	29.770	0.000	30.328	0.000	11.448	0.000	0.000	30.405	29.692	-19.241	MWD+IFR1+MS
8300.000	0.000	0.000	8248.320	30.124	0.000	30.670	0.000	11.642	0.000	0.000	30.749	30.043	-19.718	MWD+IFR1+MS
8400.000	0.000	0.000	8348.320	30.478	0.000	31.012	0.000	11.839	0.000	0.000	31.094	30.393	-20.193	MWD+IFR1+MS
8500.000	0.000	0.000	8448.320	30.832	0.000	31.354	0.000	12.039	0.000	0.000	31.440	30.744	-20.664	MWD+IFR1+MS
8600.000	0.000	0.000	8548.320	31.186	0.000	31.696	0.000	12.241	0.000	0.000	31.785	31.095	-21.133	MWD+IFR1+MS
8700.000	0.000	0.000	8648.320	31.540	0.000	32.039	0.000	12.447	0.000	0.000	32.131	31.446	-21.597	MWD+IFR1+MS
8800.000	0.000	0.000	8748.320	31.894	0.000	32.383	0.000	12.655	0.000	0.000	32.478	31.797	-22.058	MWD+IFR1+MS
8900.000	0.000	0.000	8848.320	32.248	0.000	32.726	0.000	12.867	0.000	0.000	32.825	32.148	-22.515	MWD+IFR1+MS
9000.000	0.000	0.000	8948.320	32.602	0.000	33.070	0.000	13.081	0.000	0.000	33.172	32.499	-22.967	MWD+IFR1+MS
9100.000	0.000	0.000	9048.320	32.957	0.000	33.414	0.000	13.298	0.000	0.000	33.519	32.850	-23.416	MWD+IFR1+MS
9200.000	0.000	0.000	9148.320	33.311	0.000	33.759	0.000	13.519	0.000	0.000	33.867	33.202	-23.860	MWD+IFR1+MS
9300.000	0.000	0.000	9248.320	33.666	0.000	34.104	0.000	13.742	0.000	0.000	34.215	33.553	-24.299	MWD+IFR1+MS

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9400.000	0.000	0.000	9348.320	34.021	0.000	34.449	0.000	13.968	0.000	0.000	34.563	33.905	-24.734	MWD+IFR1+MS
9500.000	0.000	0.000	9448.320	34.376	0.000	34.794	0.000	14.198	0.000	0.000	34.912	34.256	-25.163	MWD+IFR1+MS
9600.000	0.000	0.000	9548.320	34.730	0.000	35.140	0.000	14.430	0.000	0.000	35.261	34.608	-25.588	MWD+IFR1+MS
9700.000	0.000	0.000	9648.320	35.085	0.000	35.486	0.000	14.665	0.000	0.000	35.610	34.959	-26.008	MWD+IFR1+MS
9800.000	0.000	0.000	9748.320	35.440	0.000	35.832	0.000	14.904	0.000	0.000	35.959	35.311	-26.422	MWD+IFR1+MS
9900.000	0.000	0.000	9848.320	35.795	0.000	36.178	0.000	15.145	0.000	0.000	36.309	35.663	-26.831	MWD+IFR1+MS
10000.000	0.000	0.000	9948.320	36.151	0.000	36.525	0.000	15.389	0.000	0.000	36.659	36.015	-27.235	MWD+IFR1+MS
10100.000	0.000	0.000	10048.320	36.506	0.000	36.872	0.000	15.637	0.000	0.000	37.009	36.367	-27.634	MWD+IFR1+MS
10200.000	0.000	0.000	10148.320	36.861	0.000	37.219	0.000	15.887	0.000	0.000	37.359	36.719	-28.027	MWD+IFR1+MS
10300.000	0.000	0.000	10248.320	37.216	0.000	37.566	0.000	16.141	0.000	0.000	37.710	37.071	-28.415	MWD+IFR1+MS
10400.000	0.000	0.000	10348.320	37.572	0.000	37.913	0.000	16.397	0.000	0.000	38.060	37.423	-28.797	MWD+IFR1+MS
10500.000	0.000	0.000	10448.320	37.927	0.000	38.261	0.000	16.657	0.000	0.000	38.411	37.775	-29.174	MWD+IFR1+MS
10600.000	0.000	0.000	10548.320	38.283	0.000	38.609	0.000	16.919	0.000	0.000	38.762	38.127	-29.545	MWD+IFR1+MS
10700.000	0.000	0.000	10648.320	38.638	0.000	38.957	0.000	17.185	0.000	0.000	39.114	38.480	-29.911	MWD+IFR1+MS
10800.000	0.000	0.000	10748.320	38.994	0.000	39.305	0.000	17.454	0.000	0.000	39.465	38.832	-30.271	MWD+IFR1+MS
10900.000	0.000	0.000	10848.320	39.349	0.000	39.654	0.000	17.725	0.000	0.000	39.817	39.184	-30.626	MWD+IFR1+MS
11000.000	0.000	0.000	10948.320	39.705	0.000	40.002	0.000	18.000	0.000	0.000	40.169	39.537	-30.975	MWD+IFR1+MS
11100.000	0.000	0.000	11048.320	40.061	0.000	40.351	0.000	18.278	0.000	0.000	40.521	39.889	-31.319	MWD+IFR1+MS
11176.480	0.000	0.000	11124.800	40.332	0.000	40.617	0.000	18.493	0.000	0.000	40.787	40.159	-31.522	MWD+IFR1+MS
11200.000	1.882	179.641	11148.316	40.359	0.000	40.698	-0.000	18.559	0.000	0.000	40.865	40.239	-31.555	MWD+IFR1+MS
11300.000	9.882	179.641	11247.709	40.495	0.000	41.010	-0.000	18.855	0.000	0.000	41.364	40.759	129.615	MWD+IFR1+MS
11400.000	17.882	179.641	11344.710	40.676	0.000	41.312	-0.000	19.252	0.000	0.000	42.487	41.204	106.401	MWD+IFR1+MS
11500.000	25.882	179.641	11437.430	40.276	0.000	41.597	-0.000	19.806	0.000	0.000	43.589	41.512	101.159	MWD+IFR1+MS
11600.000	33.882	179.641	11524.065	39.360	0.000	41.861	-0.000	20.562	0.000	0.000	44.545	41.782	99.240	MWD+IFR1+MS
11700.000	41.882	179.641	11602.929	38.020	0.000	42.103	-0.000	21.536	0.000	0.000	45.330	42.023	98.416	MWD+IFR1+MS
11800.000	49.882	179.641	11672.487	36.381	0.000	42.320	-0.000	22.719	0.000	0.000	45.940	42.236	98.119	MWD+IFR1+MS
11900.000	57.882	179.641	11731.384	34.604	0.000	42.510	-0.000	24.083	0.000	0.000	46.382	42.419	98.144	MWD+IFR1+MS
12000.000	65.882	179.641	11778.476	32.888	0.000	42.672	-0.000	25.583	0.000	0.000	46.673	42.573	98.398	MWD+IFR1+MS
12100.000	73.882	179.641	11812.844	31.462	0.000	42.807	-0.000	27.167	0.000	0.000	46.840	42.696	98.823	MWD+IFR1+MS
12200.000	81.882	179.641	11833.820	30.563	0.000	42.911	-0.000	28.780	0.000	0.000	46.916	42.788	99.354	MWD+IFR1+MS
12301.480	90.000	179.641	11840.997	30.436	0.000	42.986	-0.000	30.436	0.000	0.000	46.944	42.849	99.914	MWD+IFR1+MS
12400.000	90.000	179.641	11840.997	30.977	0.000	43.049	-0.000	30.977	0.000	0.000	46.962	42.900	100.445	MWD+IFR1+MS
12500.000	90.000	179.641	11840.997	31.144	0.000	43.127	-0.000	31.144	0.000	0.000	46.981	42.963	101.027	MWD+IFR1+MS

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12600.000	90.000	179.641	11840.997	31.330	0.000	43.218	-0.000	31.330	0.000	0.000	47.003	43.039	101.657	MWD+IFR1+MS
12700.000	90.000	179.641	11840.997	31.535	0.000	43.322	-0.000	31.535	0.000	0.000	47.026	43.126	102.342	MWD+IFR1+MS
12800.000	90.000	179.641	11840.997	31.757	0.000	43.440	-0.000	31.757	0.000	0.000	47.052	43.225	103.089	MWD+IFR1+MS
12900.000	90.000	179.641	11840.997	31.997	0.000	43.571	-0.000	31.997	0.000	0.000	47.080	43.335	103.908	MWD+IFR1+MS
13000.000	90.000	179.641	11840.997	32.255	0.000	43.715	-0.000	32.255	0.000	0.000	47.111	43.455	104.808	MWD+IFR1+MS
13100.000	90.000	179.641	11840.997	32.529	0.000	43.872	-0.000	32.529	0.000	0.000	47.146	43.586	105.801	MWD+IFR1+MS
13200.000	90.000	179.641	11840.997	32.820	0.000	44.042	-0.000	32.820	0.000	0.000	47.184	43.726	106.902	MWD+IFR1+MS
13300.000	90.000	179.641	11840.997	33.127	0.000	44.224	-0.000	33.127	0.000	0.000	47.227	43.875	108.125	MWD+IFR1+MS
13400.000	90.000	179.641	11840.997	33.450	0.000	44.418	-0.000	33.450	0.000	0.000	47.275	44.032	109.489	MWD+IFR1+MS
13500.000	90.000	179.641	11840.997	33.787	0.000	44.625	-0.000	33.787	0.000	0.000	47.329	44.197	111.014	MWD+IFR1+MS
13600.000	90.000	179.641	11840.997	34.140	0.000	44.844	-0.000	34.140	0.000	0.000	47.389	44.367	112.720	MWD+IFR1+MS
13700.000	90.000	179.641	11840.997	34.506	0.000	45.075	-0.000	34.506	0.000	0.000	47.458	44.541	114.628	MWD+IFR1+MS
13800.000	90.000	179.641	11840.997	34.887	0.000	45.318	-0.000	34.887	0.000	0.000	47.537	44.718	116.757	MWD+IFR1+MS
13900.000	90.000	179.641	11840.997	35.280	0.000	45.572	-0.000	35.280	0.000	0.000	47.626	44.896	119.123	MWD+IFR1+MS
14000.000	90.000	179.641	11840.997	35.687	0.000	45.838	-0.000	35.687	0.000	0.000	47.729	45.073	121.730	MWD+IFR1+MS
14100.000	90.000	179.641	11840.997	36.106	0.000	46.115	-0.000	36.106	0.000	0.000	47.848	45.246	124.568	MWD+IFR1+MS
14200.000	90.000	179.641	11840.997	36.538	0.000	46.403	-0.000	36.538	0.000	0.000	47.984	45.413	127.609	MWD+IFR1+MS
14300.000	90.000	179.641	11840.997	36.980	0.000	46.702	-0.000	36.980	0.000	0.000	48.139	45.573	130.801	MWD+IFR1+MS
14400.000	90.000	179.641	11840.997	37.434	0.000	47.011	-0.000	37.434	0.000	0.000	48.315	45.722	134.074	MWD+IFR1+MS
14500.000	90.000	179.641	11840.997	37.899	0.000	47.330	-0.000	37.899	0.000	0.000	48.513	45.860	-42.655	MWD+IFR1+MS
14600.000	90.000	179.641	11840.997	38.375	0.000	47.660	-0.000	38.375	0.000	0.000	48.734	45.987	-39.468	MWD+IFR1+MS
14700.000	90.000	179.641	11840.997	38.860	0.000	48.000	-0.000	38.860	0.000	0.000	48.977	46.102	-36.434	MWD+IFR1+MS
14800.000	90.000	179.641	11840.997	39.355	0.000	48.349	-0.000	39.355	0.000	0.000	49.241	46.206	-33.606	MWD+IFR1+MS
14900.000	90.000	179.641	11840.997	39.859	0.000	48.708	-0.000	39.859	0.000	0.000	49.526	46.300	-31.010	MWD+IFR1+MS
15000.000	90.000	179.641	11840.997	40.373	0.000	49.076	-0.000	40.373	0.000	0.000	49.829	46.385	-28.656	MWD+IFR1+MS
15100.000	90.000	179.641	11840.997	40.894	0.000	49.454	-0.000	40.894	0.000	0.000	50.150	46.463	-26.539	MWD+IFR1+MS
15200.000	90.000	179.641	11840.997	41.425	0.000	49.840	-0.000	41.425	0.000	0.000	50.487	46.534	-24.645	MWD+IFR1+MS
15300.000	90.000	179.641	11840.997	41.963	0.000	50.235	-0.000	41.963	0.000	0.000	50.838	46.600	-22.953	MWD+IFR1+MS
15400.000	90.000	179.641	11840.997	42.509	0.000	50.639	-0.000	42.509	0.000	0.000	51.204	46.660	-21.443	MWD+IFR1+MS
15500.000	90.000	179.641	11840.997	43.062	0.000	51.050	-0.000	43.062	0.000	0.000	51.582	46.717	-20.094	MWD+IFR1+MS
15600.000	90.000	179.641	11840.997	43.622	0.000	51.470	-0.000	43.622	0.000	0.000	51.971	46.771	-18.887	MWD+IFR1+MS
15700.000	90.000	179.641	11840.997	44.189	0.000	51.898	-0.000	44.189	0.000	0.000	52.372	46.823	-17.803	MWD+IFR1+MS
15800.000	90.000	179.641	11840.997	44.763	0.000	52.333	-0.000	44.763	0.000	0.000	52.784	46.872	-16.828	MWD+IFR1+MS

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15900.000	90.000	179.641	11840.997	45.343	0.000	52.776	-0.000	45.343	0.000	0.000	53.205	46.919	-15.947	MWD+IFR1+MS
16000.000	90.000	179.641	11840.997	45.929	0.000	53.227	-0.000	45.929	0.000	0.000	53.636	46.965	-15.149	MWD+IFR1+MS
16100.000	90.000	179.641	11840.997	46.521	0.000	53.684	-0.000	46.521	0.000	0.000	54.076	47.010	-14.424	MWD+IFR1+MS
16200.000	90.000	179.641	11840.997	47.119	0.000	54.149	-0.000	47.119	0.000	0.000	54.524	47.054	-13.763	MWD+IFR1+MS
16300.000	90.000	179.641	11840.997	47.722	0.000	54.620	-0.000	47.722	0.000	0.000	54.980	47.097	-13.159	MWD+IFR1+MS
16400.000	90.000	179.641	11840.997	48.330	0.000	55.098	-0.000	48.330	0.000	0.000	55.444	47.140	-12.604	MWD+IFR1+MS
16500.000	90.000	179.641	11840.997	48.943	0.000	55.582	-0.000	48.943	0.000	0.000	55.916	47.182	-12.094	MWD+IFR1+MS
16600.000	90.000	179.641	11840.997	49.562	0.000	56.073	-0.000	49.562	0.000	0.000	56.395	47.224	-11.623	MWD+IFR1+MS
16700.000	90.000	179.641	11840.997	50.184	0.000	56.569	-0.000	50.184	0.000	0.000	56.881	47.265	-11.187	MWD+IFR1+MS
16800.000	90.000	179.641	11840.997	50.812	0.000	57.072	-0.000	50.812	0.000	0.000	57.373	47.307	-10.783	MWD+IFR1+MS
16900.000	90.000	179.641	11840.997	51.443	0.000	57.580	-0.000	51.443	0.000	0.000	57.872	47.348	-10.407	MWD+IFR1+MS
17000.000	90.000	179.641	11840.997	52.079	0.000	58.094	-0.000	52.079	0.000	0.000	58.377	47.389	-10.057	MWD+IFR1+MS
17100.000	90.000	179.641	11840.997	52.719	0.000	58.614	-0.000	52.719	0.000	0.000	58.889	47.431	-9.731	MWD+IFR1+MS
17200.000	90.000	179.641	11840.997	53.362	0.000	59.139	-0.000	53.362	0.000	0.000	59.406	47.472	-9.425	MWD+IFR1+MS
17300.000	90.000	179.641	11840.997	54.010	0.000	59.669	-0.000	54.010	0.000	0.000	59.928	47.514	-9.138	MWD+IFR1+MS
17400.000	90.000	179.641	11840.997	54.661	0.000	60.204	-0.000	54.661	0.000	0.000	60.457	47.556	-8.868	MWD+IFR1+MS
17500.000	90.000	179.641	11840.997	55.315	0.000	60.744	-0.000	55.315	0.000	0.000	60.990	47.598	-8.615	MWD+IFR1+MS
17600.000	90.000	179.641	11840.997	55.973	0.000	61.289	-0.000	55.973	0.000	0.000	61.529	47.641	-8.376	MWD+IFR1+MS
17700.000	90.000	179.641	11840.997	56.634	0.000	61.838	-0.000	56.634	0.000	0.000	62.073	47.683	-8.150	MWD+IFR1+MS
17800.000	90.000	179.641	11840.997	57.298	0.000	62.392	-0.000	57.298	0.000	0.000	62.621	47.726	-7.937	MWD+IFR1+MS
17900.000	90.000	179.641	11840.997	57.966	0.000	62.951	-0.000	57.966	0.000	0.000	63.174	47.769	-7.735	MWD+IFR1+MS
18000.000	90.000	179.641	11840.997	58.636	0.000	63.514	-0.000	58.636	0.000	0.000	63.732	47.813	-7.543	MWD+IFR1+MS
18100.000	90.000	179.641	11840.997	59.309	0.000	64.081	-0.000	59.309	0.000	0.000	64.294	47.857	-7.361	MWD+IFR1+MS
18200.000	90.000	179.641	11840.997	59.984	0.000	64.652	-0.000	59.984	0.000	0.000	64.861	47.901	-7.188	MWD+IFR1+MS
18300.000	90.000	179.641	11840.997	60.662	0.000	65.227	-0.000	60.662	0.000	0.000	65.432	47.946	-7.024	MWD+IFR1+MS
18400.000	90.000	179.641	11840.997	61.343	0.000	65.806	-0.000	61.343	0.000	0.000	66.006	47.991	-6.867	MWD+IFR1+MS
18500.000	90.000	179.641	11840.997	62.026	0.000	66.389	-0.000	62.026	0.000	0.000	66.585	48.037	-6.717	MWD+IFR1+MS
18600.000	90.000	179.641	11840.997	62.712	0.000	66.976	-0.000	62.712	0.000	0.000	67.168	48.083	-6.574	MWD+IFR1+MS
18700.000	90.000	179.641	11840.997	63.400	0.000	67.566	-0.000	63.400	0.000	0.000	67.754	48.129	-6.437	MWD+IFR1+MS
18800.000	90.000	179.641	11840.997	64.090	0.000	68.159	-0.000	64.090	0.000	0.000	68.344	48.176	-6.307	MWD+IFR1+MS
18900.000	90.000	179.641	11840.997	64.782	0.000	68.756	-0.000	64.782	0.000	0.000	68.938	48.224	-6.181	MWD+IFR1+MS
19000.000	90.000	179.641	11840.997	65.477	0.000	69.357	-0.000	65.477	0.000	0.000	69.535	48.271	-6.061	MWD+IFR1+MS
19100.000	90.000	179.641	11840.997	66.173	0.000	69.960	-0.000	66.173	0.000	0.000	70.135	48.319	-5.946	MWD+IFR1+MS

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19200.000	90.000	179.641	11840.997	66.872	0.000	70.567	-0.000	66.872	0.000	0.000	70.738	48.368	-5.836	MWD+IFR1+MS
19300.000	90.000	179.641	11840.997	67.572	0.000	71.176	-0.000	67.572	0.000	0.000	71.345	48.417	-5.729	MWD+IFR1+MS
19400.000	90.000	179.641	11840.997	68.274	0.000	71.789	-0.000	68.274	0.000	0.000	71.955	48.467	-5.627	MWD+IFR1+MS
19500.000	90.000	179.641	11840.997	68.978	0.000	72.405	-0.000	68.978	0.000	0.000	72.568	48.517	-5.529	MWD+IFR1+MS
19600.000	90.000	179.641	11840.997	69.684	0.000	73.023	-0.000	69.684	0.000	0.000	73.184	48.567	-5.434	MWD+IFR1+MS
19700.000	90.000	179.641	11840.997	70.391	0.000	73.645	-0.000	70.391	0.000	0.000	73.802	48.618	-5.342	MWD+IFR1+MS
19800.000	90.000	179.641	11840.997	71.100	0.000	74.268	-0.000	71.100	0.000	0.000	74.424	48.670	-5.254	MWD+IFR1+MS
19900.000	90.000	179.641	11840.997	71.810	0.000	74.895	-0.000	71.810	0.000	0.000	75.048	48.722	-5.169	MWD+IFR1+MS
20000.000	90.000	179.641	11840.997	72.522	0.000	75.524	-0.000	72.522	0.000	0.000	75.675	48.774	-5.087	MWD+IFR1+MS
20100.000	90.000	179.641	11840.997	73.236	0.000	76.156	-0.000	73.236	0.000	0.000	76.304	48.827	-5.008	MWD+IFR1+MS
20200.000	90.000	179.641	11840.997	73.951	0.000	76.790	-0.000	73.951	0.000	0.000	76.936	48.881	-4.931	MWD+IFR1+MS
20300.000	90.000	179.641	11840.997	74.667	0.000	77.426	-0.000	74.667	0.000	0.000	77.570	48.935	-4.857	MWD+IFR1+MS
20400.000	90.000	179.641	11840.997	75.385	0.000	78.065	-0.000	75.385	0.000	0.000	78.207	48.989	-4.785	MWD+IFR1+MS
20500.000	90.000	179.641	11840.997	76.104	0.000	78.706	-0.000	76.104	0.000	0.000	78.846	49.044	-4.715	MWD+IFR1+MS
20600.000	90.000	179.641	11840.997	76.824	0.000	79.349	-0.000	76.824	0.000	0.000	79.487	49.099	-4.648	MWD+IFR1+MS
20700.000	90.000	179.641	11840.997	77.546	0.000	79.995	-0.000	77.546	0.000	0.000	80.130	49.155	-4.583	MWD+IFR1+MS
20800.000	90.000	179.641	11840.997	78.269	0.000	80.642	-0.000	78.269	0.000	0.000	80.776	49.211	-4.519	MWD+IFR1+MS
20900.000	90.000	179.641	11840.997	78.993	0.000	81.292	-0.000	78.993	0.000	0.000	81.424	49.268	-4.458	MWD+IFR1+MS
21000.000	90.000	179.641	11840.997	79.718	0.000	81.943	-0.000	79.718	0.000	0.000	82.073	49.326	-4.398	MWD+IFR1+MS
21100.000	90.000	179.641	11840.997	80.444	0.000	82.597	-0.000	80.444	0.000	0.000	82.725	49.383	-4.340	MWD+IFR1+MS
21200.000	90.000	179.641	11840.997	81.171	0.000	83.252	-0.000	81.171	0.000	0.000	83.379	49.442	-4.284	MWD+IFR1+MS
21300.000	90.000	179.641	11840.997	81.900	0.000	83.909	-0.000	81.900	0.000	0.000	84.035	49.501	-4.229	MWD+IFR1+MS
21400.000	90.000	179.641	11840.997	82.629	0.000	84.569	-0.000	82.629	0.000	0.000	84.692	49.560	-4.176	MWD+IFR1+MS
21500.000	90.000	179.641	11840.997	83.360	0.000	85.229	-0.000	83.360	0.000	0.000	85.351	49.620	-4.124	MWD+IFR1+MS
21600.000	90.000	179.641	11840.997	84.091	0.000	85.892	-0.000	84.091	0.000	0.000	86.012	49.680	-4.074	MWD+IFR1+MS
21700.000	90.000	179.641	11840.997	84.823	0.000	86.556	-0.000	84.823	0.000	0.000	86.675	49.741	-4.025	MWD+IFR1+MS
21800.000	90.000	179.641	11840.997	85.557	0.000	87.222	-0.000	85.557	0.000	0.000	87.340	49.802	-3.977	MWD+IFR1+MS
21900.000	90.000	179.641	11840.997	86.291	0.000	87.890	-0.000	86.291	0.000	0.000	88.006	49.864	-3.931	MWD+IFR1+MS
22000.000	90.000	179.641	11840.997	87.026	0.000	88.559	-0.000	87.026	0.000	0.000	88.674	49.926	-3.885	MWD+IFR1+MS
22100.000	90.000	179.641	11840.997	87.762	0.000	89.230	-0.000	87.762	0.000	0.000	89.343	49.989	-3.841	MWD+IFR1+MS
22200.000	90.000	179.641	11840.997	88.499	0.000	89.902	-0.000	88.499	0.000	0.000	90.014	50.052	-3.798	MWD+IFR1+MS
22300.000	90.000	179.641	11840.997	89.236	0.000	90.576	-0.000	89.236	0.000	0.000	90.687	50.115	-3.756	MWD+IFR1+MS
22400.000	90.000	179.641	11840.997	89.975	0.000	91.251	-0.000	89.975	0.000	0.000	91.360	50.180	-3.715	MWD+IFR1+MS

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22500.000	90.000	179.641	11840.997	90.714	0.000	91.928	-0.000	90.714	0.000	0.000	92.036	50.244	-3.675	MWD+IFR1+MS
22600.000	90.000	179.641	11840.997	91.454	0.000	92.606	-0.000	91.454	0.000	0.000	92.713	50.309	-3.636	MWD+IFR1+MS
22700.000	90.000	179.641	11840.997	92.195	0.000	93.285	-0.000	92.195	0.000	0.000	93.391	50.375	-3.598	MWD+IFR1+MS
22800.000	90.000	179.641	11840.997	92.936	0.000	93.966	-0.000	92.936	0.000	0.000	94.070	50.441	-3.560	MWD+IFR1+MS
22900.000	90.000	179.641	11840.997	93.678	0.000	94.648	-0.000	93.678	0.000	0.000	94.751	50.508	-3.524	MWD+IFR1+MS
23000.000	90.000	179.641	11840.997	94.421	0.000	95.331	-0.000	94.421	0.000	0.000	95.433	50.575	-3.488	MWD+IFR1+MS
23100.000	90.000	179.641	11840.997	95.165	0.000	96.016	-0.000	95.165	0.000	0.000	96.117	50.642	-3.454	MWD+IFR1+MS
23200.000	90.000	179.641	11840.997	95.909	0.000	96.701	-0.000	95.909	0.000	0.000	96.801	50.710	-3.420	MWD+IFR1+MS
23300.000	90.000	179.641	11840.997	96.654	0.000	97.388	-0.000	96.654	0.000	0.000	97.487	50.779	-3.386	MWD+IFR1+MS
23400.000	90.000	179.641	11840.997	97.399	0.000	98.076	-0.000	97.399	0.000	0.000	98.174	50.847	-3.354	MWD+IFR1+MS
23500.000	90.000	179.641	11840.997	98.145	0.000	98.765	-0.000	98.145	0.000	0.000	98.862	50.917	-3.322	MWD+IFR1+MS
23600.000	90.000	179.641	11840.997	98.892	0.000	99.456	-0.000	98.892	0.000	0.000	99.552	50.987	-3.291	MWD+IFR1+MS
23700.000	90.000	179.641	11840.997	99.639	0.000	100.147	-0.000	99.639	0.000	0.000	100.242	51.057	-3.260	MWD+IFR1+MS
23800.000	90.000	179.641	11840.997	100.387	0.000	100.840	-0.000	100.387	0.000	0.000	100.934	51.128	-3.230	MWD+IFR1+MS
23900.000	90.000	179.641	11840.997	101.135	0.000	101.533	-0.000	101.135	0.000	0.000	101.626	51.199	-3.201	MWD+IFR1+MS
24000.000	90.000	179.641	11840.997	101.884	0.000	102.228	-0.000	101.884	0.000	0.000	102.320	51.271	-3.172	MWD+IFR1+MS
24100.000	90.000	179.641	11840.997	102.633	0.000	102.923	-0.000	102.633	0.000	0.000	103.015	51.343	-3.144	MWD+IFR1+MS
24200.000	90.000	179.641	11840.997	103.383	0.000	103.620	-0.000	103.383	0.000	0.000	103.710	51.415	-3.117	MWD+IFR1+MS
24300.000	90.000	179.641	11840.997	104.134	0.000	104.317	-0.000	104.134	0.000	0.000	104.407	51.489	-3.090	MWD+IFR1+MS
24400.000	90.000	179.641	11840.997	104.885	0.000	105.016	-0.000	104.885	0.000	0.000	105.105	51.562	-3.063	MWD+IFR1+MS
24500.000	90.000	179.641	11840.997	105.636	0.000	105.715	-0.000	105.636	0.000	0.000	105.803	51.636	-3.037	MWD+IFR1+MS
24589.522	90.000	179.641	11840.997	106.309	0.000	106.342	-0.000	106.309	0.000	0.000	106.429	51.703	-3.014	MWD+IFR1+MS
24600.000	90.000	179.641	11840.997	106.388	0.000	106.415	-0.000	106.388	0.000	0.000	106.502	51.710	-3.012	MWD+IFR1+MS
24679.632	90.000	179.641	11840.997	106.986	0.000	106.972	-0.000	106.986	0.000	0.000	107.058	51.770	-2.992	MWD+IFR1+MS

Plan Targets Poker Lake Unit 21 DTD South 172H

Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
FTP 21	12000.26	440425.00	637236.60	8489.00	RECTANGLE
SHL 21	12512.81	440097.05	636638.95	8505.00	RECTANGLE
LTP 21	24589.66	427420.90	637318.00	8489.00	RECTANGLE
BHL 21	24679.78	427330.90	637318.50	8489.00	RECTANGLE

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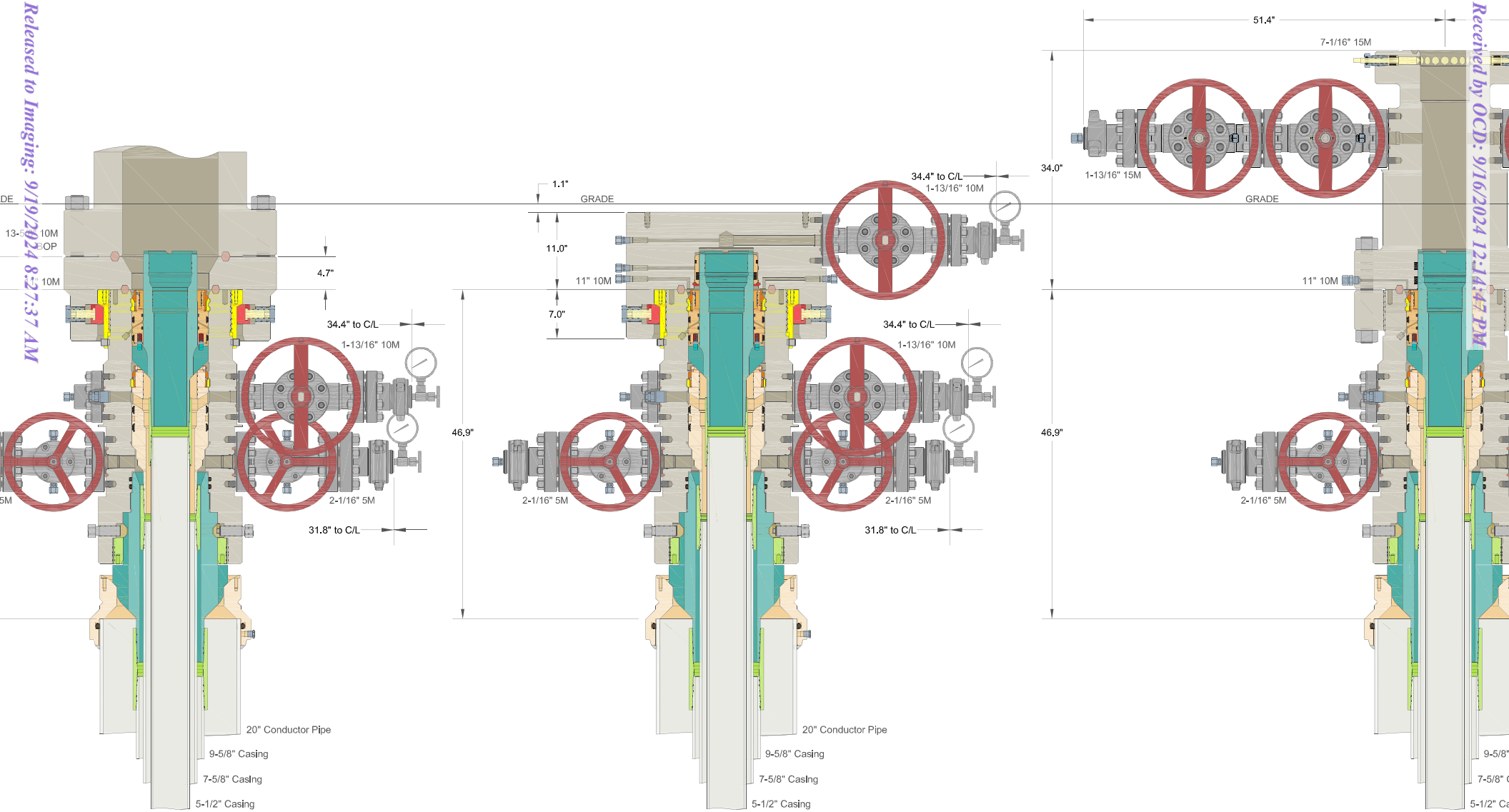
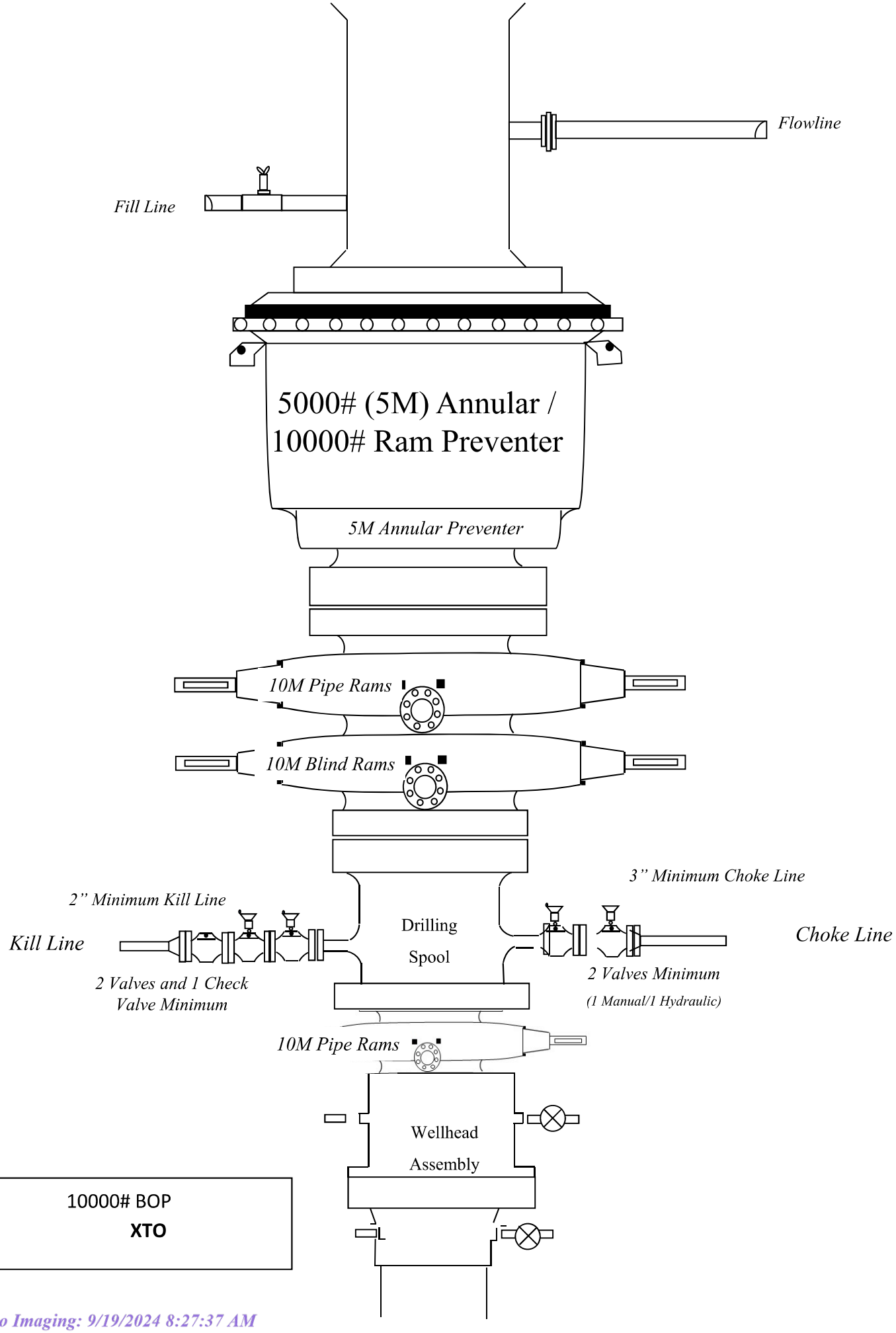


CACTUS WELLHEAD LLC



10000# BOP

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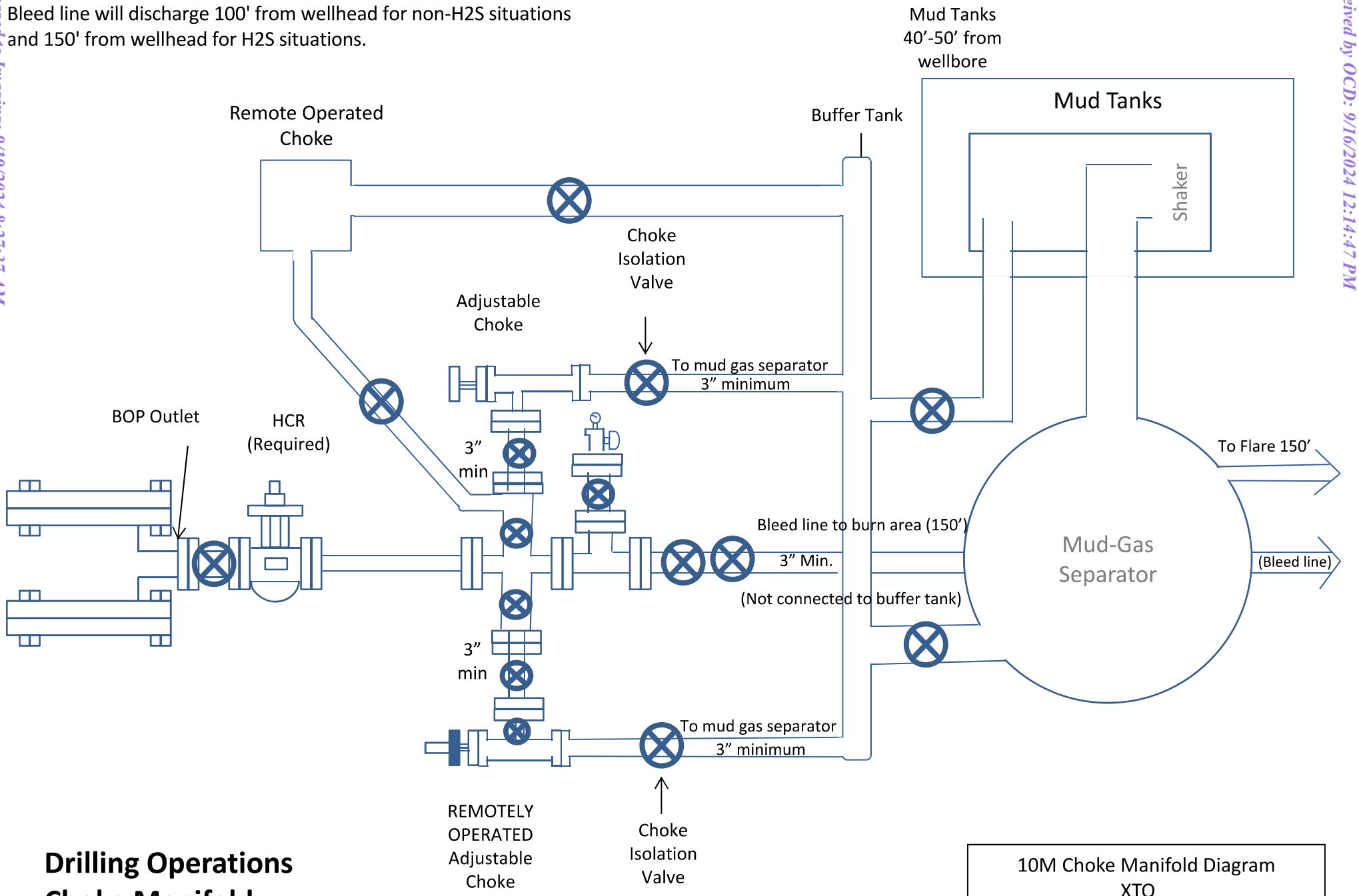
Bleed line will discharge 100' from wellhead for non-H2S situations and 150' from wellhead for H2S situations.



Drilling Operations
Choke Manifold
10M Service

10M Choke Manifold Diagram
XTO

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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	–

UNCONTROLLED

Notes

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

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www.usstubular.com

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

Description of Operations:

1. Spudder rig will move in to drill the surface hole and pre-set surface casing on the well.
    a. After drilling the surface hole section, the spudder rig will run casing and cement following all of the applicable rules and regulations (OnShore Order 2, all COAs and NMOCD regulations).
    b. The spudder rig will utilize fresh water-based mud to drill the surface hole to TD. Solids control will be handled entirely on a closed loop basis. No earth pits will be used.
2. The wellhead will be installed and tested as soon as the surface casing is cut off and WOC time has been reached.
3. A blind flange at the same pressure rating as the wellhead will be installed to seal the wellbore. Pressure will be monitored with needle valves installed on two wing valves.
    a. A means for intervention will be maintained while the drilling rig is not over the well.
4. Spudder rig operations are expected to take 2-3 days per well on the pad.
5. The BLM will be contacted and notified 24 hours prior to commencing spudder rig operations.
6. Drilling Operations will begin with a larger rig and a BOP stack equal to or greater than the pressure rating that was permitted will be 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.

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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]

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Notes

1. Other than proprietary collapse and connection values, performance properties have been calculated using standard equations defined by API 5C3 and do not incorporate any additional design or safety factors. Calculations assume nominal pipe OD, nominal wall thickness, and Specified Minimum Yield Strength (SMYS).
2. 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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BLACK GOLD®

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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

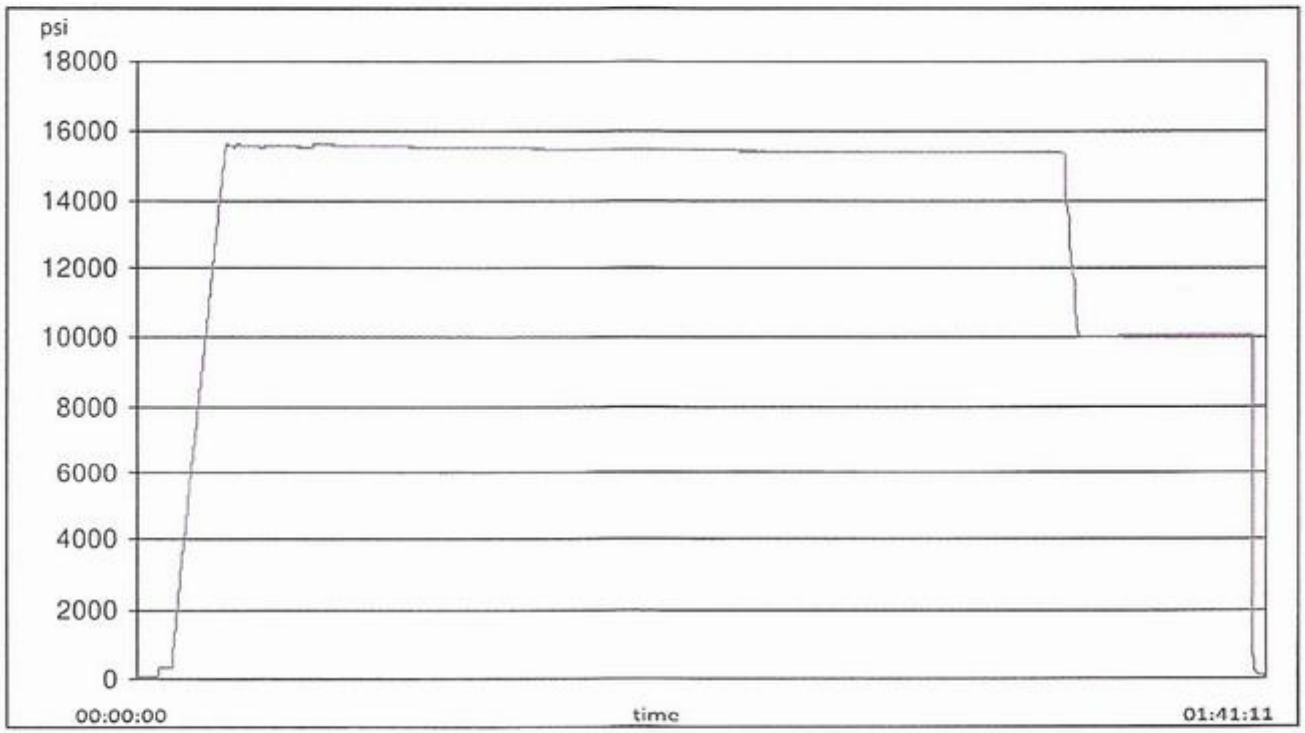
DATE: 1/25/2024

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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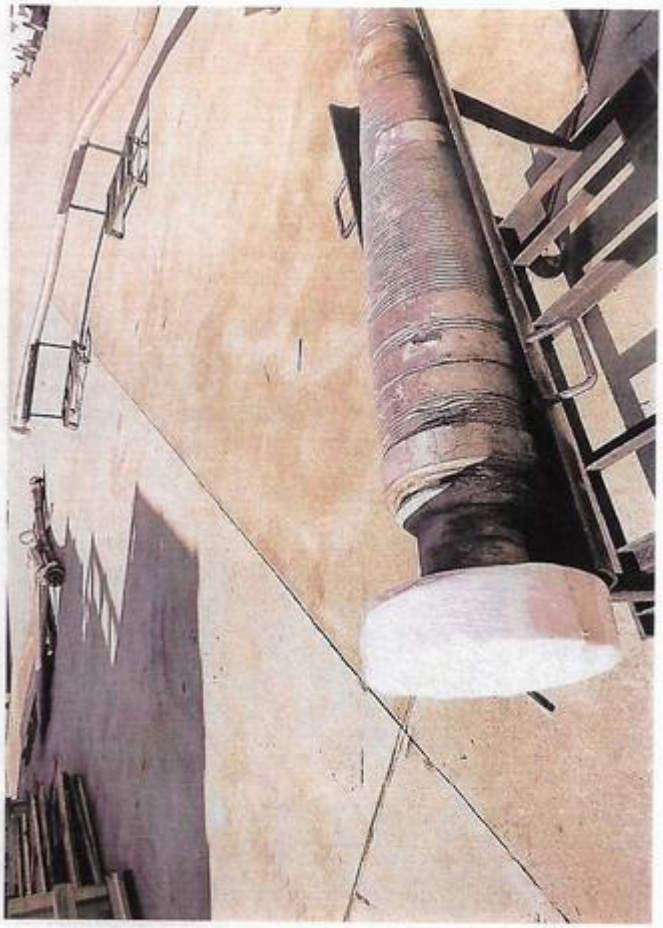
TEST REPORT

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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Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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: 383924
	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.	9/19/2024