

Lease Number: NMLC0068430

Unit or CA Name: POKER LAKE UNIT

Unit or CA Number:  
NMNM71016X

US Well Number: 3001553258

Operator: XTO PERMIAN OPERATING  
LLC

Notice of Intent

Sundry ID: 2784169

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 04/09/2024

Time Sundry Submitted: 02:03

Date proposed operation will begin: 04/30/2024

**Procedure Description:** XTO Permian Operating, LLC. respectfully requests approval to make the following changes to the approved APD. Changes to include SHL, FTP, LTP, BHL, Casing sizes, Cement, Proposed total Depth, and formation (Pool). FROM: TO: SHL: 237' FSL & 617' FEL OF SECTION 16-T24S-R30E 332' FSL & 127' FEL OF SECTION 16-T24S-R30E FTP: 385' FNL & 759' FEL OF SECTION 21-T24S-R30E 100' FNL & 489' FEL OF SECTION 21-T24S-R30E LTP: 329' FNL & 770' FEL OF SECTION 33-T23S-R30E 2537' FNL & 485' FEL OF SECTION 33-T24S-R30E BHL: 200' FNL & 770' FEL OF SECTION 33-T23S-R30E 2627' FNL & 486' FEL OF SECTION 33-T24S-R30E The proposed total depth is changing from 33074' MD; 11298' TVD (Wolfcamp) to 24233' MD; 11133' TVD (Wolfcamp A). 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, 5M BOP diagram, & 10M choke manifold diagram.

NOI Attachments

Procedure Description

PLU\_21\_DTD\_168H\_Sundry\_Documents\_20240905152620.pdf

**US Well Number:** 3001553258

**Operator:** XTO PERMIAN OPERATING  
LLC

### Conditions of Approval

#### Additional

POKER\_LAKE\_UNIT\_21\_DTD\_168H\_COA\_20240911091544.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:** SEP 05, 2024 03:26 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:** 09/13/2024

**Signature:** Chris Walls

Form 3160-5  
(June 2019)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**  
***Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.***

5. Lease Serial No.	NMLC068430
6. If Indian, Allottee or Tribe Name	

<b>SUBMIT IN TRIPLICATE - Other instructions on page 2</b>		7. If Unit of CA/Agreement, Name and/or No. POKER LAKE UNIT/NMNM71016X
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. POKER LAKE UNIT 21 DTD/168H
2. Name of Operator XTO PERMIAN OPERATING LLC		9. API Well No. 3001553258
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			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or 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 SHL, FTP, LTP, BHL, Casing sizes, Cement, Proposed total Depth, and formation (Pool).

FROM: TO:  
SHL: 237' FSL & 617' FEL OF SECTION 16-T24S-R30E 332' FSL & 127' FEL OF SECTION 16-T24S-R30E  
FTP: 385' FNL & 759' FEL OF SECTION 21-T24S-R30E 100' FNL & 489' FEL OF SECTION 21-T24S-R30E  
LTP: 329' FNL & 770' FEL OF SECTION 33-T23S-R30E 2537' FNL & 485' FEL OF SECTION 33-T24S-R30E  
BHL: 200' FNL & 770' FEL OF SECTION 33-T23S-R30E 2627' FNL & 486' FEL OF SECTION 33-T24S-R30E

The proposed total depth is changing from 33074 MD; 11298 TVD (Wolfcamp) to 24233 MD; 11133 TVD (Wolfcamp A).

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	Regulatory Advisor Title
(Electronic Submission) Signature	Date 09/05/2024

THE SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by CHRISTOPHER WALLS / Ph: (575) 234-2234 / Approved	Petroleum Engineer Title	09/13/2024 Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office CARLSBAD	

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

(Instructions on page 2)

## GENERAL INSTRUCTIONS

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

## SPECIFIC INSTRUCTIONS

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

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

## NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

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



## Additional Information

### Additional Remarks

See attached Drilling Plan for updated cement and casing program.

Attachments: C-102, Drilling Plan, Directional Plan, MBS, BOP Variance, Well Control Plan, 5M BOP diagram, & 10M choke manifold diagram.

### Location of Well

0. SHL: SESE / 237 FSL / 617 FEL / TWSP: 24S / RANGE: 30E / SECTION: 16 / LAT: 32.211144 / LONG: -103.879579 ( TVD: 0 feet, MD: 0 feet )

PPP: NENE / 385 FNL / 759 FEL / TWSP: 24S / RANGE: 30E / SECTION: 21 / LAT: 32.209431 / LONG: -103.880041 ( TVD: 11298 feet, MD: 11800 feet )

BHL: NENE / 200 FNL / 770 FEL / TWSP: 23S / RANGE: 30E / SECTION: 33 / LAT: 32.268078 / LONG: -103.880079 ( TVD: 11298 feet, MD: 33074 feet )

## PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

<b>OPERATOR'S NAME:</b>	XTO
<b>LEASE NO.:</b>	NMLC068430
<b>LOCATION:</b>	Sec.16, T.24 S, R 30 E
<b>COUNTY:</b>	Eddy County, New Mexico ▼
<b>WELL NAME &amp; NO.:</b>	Poker Lake Unit 21 DTD 168H
<b>SURFACE HOLE FOOTAGE:</b>	332'/S & 127'/E
<b>BOTTOM HOLE FOOTAGE:</b>	2627'/N & 486'/E

*Changes approved through engineering via **Sundry 2784169** on 9-11-2024 \_\_. Any previous COAs not addressed within the updated COAs still apply.*

COA

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

### A. HYDROGEN SULFIDE

Hydrogen Sulfide (H<sub>2</sub>S) monitors shall be installed prior to drilling out the surface shoe. If H<sub>2</sub>S 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.

**APD is within the R-111-Q defined boundary. Operator must follow all procedures and requirements listed within the updated order.**

### B. CASING

1. The **9-5/8** inch surface casing shall be set at approximately **889** 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 6380'**
- 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, or potash.**

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 1 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 **500 feet** into previous casing string. Operator shall provide method of verification.

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

## 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 Production casing tieback. Operator may contact approving engineer to discuss changing casing set depth or grade to meet clearance requirement.

## GENERAL REQUIREMENTS

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

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

### Contact Eddy County Petroleum Engineering Inspection Staff:

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

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
  - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
  - b. When the operator proposes to set surface casing with Spudder Rig
    - i. Notify the BLM when moving in and removing the Spudder Rig.
    - ii. Notify the BLM when moving in the 2<sup>nd</sup> 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 2<sup>nd</sup> 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

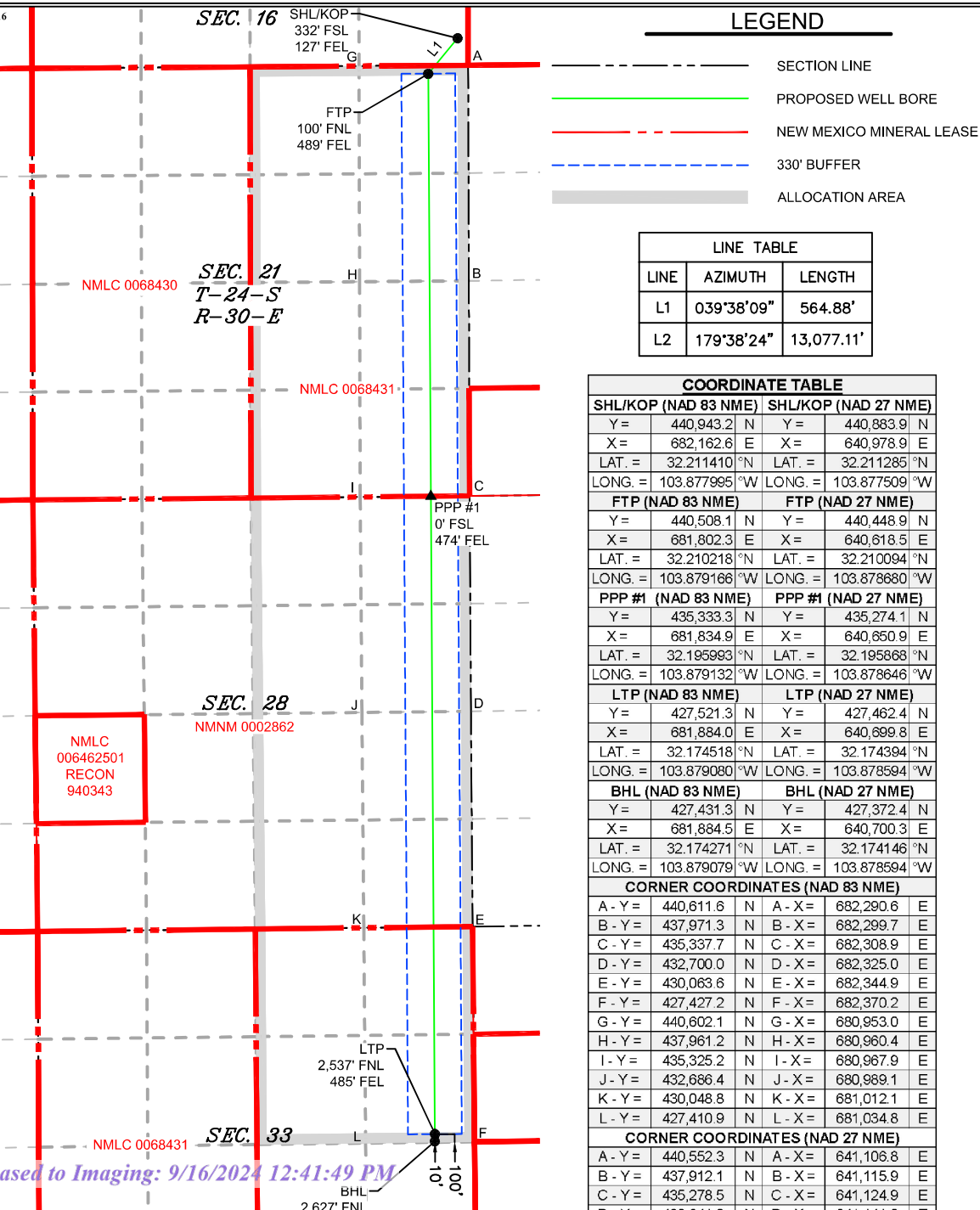
disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

**Approved by Zota Stevens on 9/11/2024**  
575-234-5998 / [zstevens@blm.gov](mailto:zstevens@blm.gov)

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number <b>30-015-53258</b>		<sup>2</sup> Pool Code <b>98220</b>		<sup>3</sup> Pool Name <b>PURPLE SAGE;WOLFCAMP (GAS)</b>					
<sup>4</sup> Property Code <b>333571</b>		<sup>5</sup> Property Name <b>POKER LAKE UNIT 21 DTD</b>						<sup>6</sup> Well Number <b>168H</b>	
<sup>7</sup> OGRID No. <b>373075</b>		<sup>8</sup> Operator Name <b>XTO PERMIAN OPERATING, LLC.</b>						<sup>9</sup> Elevation <b>3,397'</b>	
<sup>10</sup> Surface Location									
UL or lot no. <b>P</b>	Section <b>16</b>	Township <b>24S</b>	Range <b>30E</b>	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County <b>EDDY</b>
<sup>11</sup> Bottom Hole Location If Different From Surface									
UL or lot no. <b>H</b>	Section <b>33</b>	Township <b>24S</b>	Range <b>30E</b>	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County <b>EDDY</b>
<sup>12</sup> Dedicated Acres <b>800.00</b>		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> Order No.			

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.



**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.

7/9/2024  
Date of Survey

Signature and Seal of Professional Surveyor:

MARK DILLON HARP  
NEW MEXICO  
23786  
PROF. SURVEYOR

Intent ☒ As Drilled ☐

API # 30-15-		
Operator Name: XTO PERMAIN OPERATING, LLC.	Property Name: POKER LAKE UNIT 21 DTD	Well Number 168H

## 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 A	Section 21	Township 24S	Range 30E	Lot	Feet 100	From N/S NORTH	Feet 489	From E/W EAST	County EDDY
Latitude 32.210218					Longitude -103.879166				NAD 83

## Last Take Point (LTP)

UL H	Section 33	Township 24S	Range 30E	Lot	Feet 2,537	From N/S NORTH	Feet 485	From E/W EAST	County EDDY
Latitude 32.174518					Longitude -103.879080				NAD 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 168H  
Projected TD: 24119' MD / 11278' TVD  
SHL: 332' FSL & 127' FEL , Section 16, T24S, R30E  
BHL: 2627' FNL & 486' 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	1044'	Water
Top of Salt	1447'	Water
Base of Salt	3640'	Water
Delaware	3834'	Water
Brushy Canyon	6380'	Water/Oil/Gas
Bone Spring	7704'	Water
Avalon	8397'	Water/Oil/Gas
1st Bone Spring	8413'	Water/Oil/Gas
2nd Bone Spring	8998'	Water/Oil/Gas
3rd Bone Spring	9824'	Water/Oil/Gas
Wolfcamp	11009'	Water/Oil/Gas
Wolfcamp X	11030'	Water/Oil/Gas
Wolfcamp Y	11111'	Water/Oil/Gas
Wolfcamp A	11158'	Water/Oil/Gas
<b>Target/Land Curve</b>	<b>11278'</b>	<b>Water/Oil/Gas</b>

\*\*\* 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 @ 1144' (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 10434' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 24119 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 10134 feet).

**3. Casing Design**

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0' – 1144'	9.625	40	J-55	BTC	New	1.59	5.50	13.77
8.75	0' – 4000'	7.625	29.7	RY P-110	Flush Joint	New	2.22	2.92	1.80
8.75	4000' – 10434'	7.625	29.7	HC L-80	Flush Joint	New	1.61	2.29	2.12
6.75	0' – 10334'	5.5	20	RY P-110	Semi-Premium	New	1.05	1.80	1.99
6.75	10334' - 24119'	5.5	20	RY P-110	Semi-Flush	New	1.05	1.65	1.99

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

· 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

· Test on Casing will be limited to 70% burst of the casing or 1500 psi, whichever is less

- XTO requests the option to use 5" BTC Float equipment for the the production casing

**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 +/- 1144'**

Lead: 280 sxs EconoCem-HLTRRC (mixed at 10.5 ppg, 1.87 ft<sup>3</sup>/sx, 10.13 gal/sx water)

Tail: 130 sxs Class C + 2% CaCl (mixed at 14.8 ppg, 1.35 ft<sup>3</sup>/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 +/- 10434'**

###### 1st Stage

Optional Lead: 340 sxs Class C (mixed at 10.5 ppg, 2.77 ft<sup>3</sup>/sx, 15.59 gal/sx water)

TOC: Surface

Tail: 370 sxs Class C (mixed at 14.8 ppg, 1.35 ft<sup>3</sup>/sx, 6.39 gal/sx water)

TOC: Brushy Canyon @ 6380

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

###### 2nd Stage

Lead: 0 sxs Class C (mixed at 12.9 ppg, 2.16 ft<sup>3</sup>/sx, 9.61 gal/sx water)

Tail: 720 sxs Class C (mixed at 14.8 ppg, 1.33 ft<sup>3</sup>/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 (6380') 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 +/- 24119'**

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft<sup>3</sup>/sx, 15.00 gal/sx water) Top of Cement: 10134 feet

Tail: 960 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft<sup>3</sup>/sx, 8.38 gal/sx water) Top of Cement: 10634 feet

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

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

## 5. Pressure Control Equipment

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

All BOP testing will be done by an independent service company. Annular pressure tests will be limited to 50% of the working pressure. When nipping up on the 9.625, 10M bradenhead and flange, the BOP test will be limited to 10000 psi. When nipping 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' - 1144'	12.25	FW/Native	8.5-9	35-40	NC	Fresh water or native water
1144' - 10434'	8.75	Saturated brine for salt interval / Direct emulsion	10-10.5	30-32	NC	Fully saturated salt across salado / salt
10434' - 24119'	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 175 to 195 F is anticipated. No H2S is expected but monitors will be in place to detect any H2S occurrences. Should these circumstances be encountered the operator and drilling contractor are prepared to take all necessary steps to ensure safety of all personnel and environment. Lost circulation could occur but is not expected to be a serious problem in this area and hole seepage will be compensated for by additions of small amounts of LCM in the drilling fluid. The maximum anticipated bottom hole pressure for this well is 6744 psi.

## 10. Anticipated Starting Date and Duration of Operations

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



Well Plan Report - Poker Lake Unit 21 DTD South 168H

Measured Depth: 24119.38 ft  
TVD RKB: 11278.00 ft  
Location  
Cartographic Reference System: New Mexico East - NAD 27  
Northing: 440883.90 ft  
Easting: 640978.90 ft  
RKB: 3429.00 ft  
Ground Level: 3397.00 ft  
North Reference: Grid  
Convergence Angle: 0.24 Deg

Plan Sections Poker Lake Unit 21 DTD South 168H

Measured		TVD		Y Offset		X Offset		Build		Turn		Dogleg	
Depth	(ft)	Inclination	(Deg)	Azimuth	(Deg)	RKB	(ft)	Rate	(Deg/100ft)	Rate	(Deg/100ft)	Rate	(Deg/100ft)
0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3700.00		0.00	0.00	0.00	0.00	3700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4553.13		17.06	219.64	219.64	4540.58	4540.58	-97.10	-80.45	0.00	0.00	0.00	2.00	2.00
5618.88		17.06	219.64	219.64	5559.42	5559.42	-337.90	-279.95	0.00	0.00	0.00	0.00	0.00
6472.02		0.00	0.00	0.00	6400.00	6400.00	-435.00	-360.40	-2.00	0.00	0.00	2.00	2.00
10633.82		0.00	0.00	0.00	10561.80	10561.80	-435.00	-360.40	0.00	0.00	0.00	0.00	0.00
11758.82		90.00	179.64	179.64	11278.00	11278.00	-1151.18	-355.91	8.00	0.00	0.00	8.00	8.00
24029.40		90.00	179.64	179.64	11278.00	11278.00	-13421.52	-279.03	0.00	0.00	0.00	0.00	LTP 18
24119.38		90.00	179.64	179.64	11278.00	11278.00	-13511.50	-278.47	0.00	0.00	0.00	0.00	BHL 18

Position Uncertainty Poker Lake Unit 21 DTD South 168H

Measured	TVD	Highside	Lateral	Vertical	Magnitude	Semi-major	Semi-minor	Tool
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Depth	Inclination	Azimuth	RKB	Error	Bias	Error	Bias	Error	Bias	Error	Azimuth	Used
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MWD+IFR1+MS
100.000	0.000	0.000	100.000	0.700	0.000	0.350	0.000	2.300	0.000	0.751	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	1.259	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	1.698	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	2.108	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	2.503	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	2.888	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	3.267	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	3.642	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	4.014	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	4.384	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	4.752	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	5.119	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	5.484	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	5.849	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	6.213	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	6.577	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	6.939	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	7.302	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	7.664	129.333	MWD+IFR1+MS
2000.000	0.000	0.000	2000.000	7.657	0.000	7.471	0.000	3.238	0.000	8.026	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	8.387	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	8.748	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	9.109	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	9.470	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	9.831	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	10.191	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	10.552	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	10.912	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	11.272	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	11.632	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	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	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	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	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	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	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	14.150	13.167	129.642	MWD+IFR1+MS
3800.000	2.000	219.642	3799.980	14.481	-0.000	13.511	0.000	4.841	0.000	14.488	13.511	129.906	MWD+IFR1+MS
3900.000	4.000	219.642	3899.838	14.945	-0.000	13.851	0.000	4.943	0.000	14.979	13.848	132.190	MWD+IFR1+MS
4000.000	6.000	219.642	3999.452	15.387	-0.000	14.190	0.000	5.048	0.000	15.462	14.183	133.815	MWD+IFR1+MS
4100.000	8.000	219.642	4098.702	15.805	-0.000	14.530	0.000	5.157	0.000	15.938	14.517	-44.978	MWD+IFR1+MS
4200.000	10.000	219.642	4197.465	16.200	-0.000	14.870	0.000	5.271	0.000	16.405	14.851	-44.049	MWD+IFR1+MS
4300.000	12.000	219.642	4295.623	16.573	-0.000	15.211	0.000	5.392	0.000	16.864	15.184	-43.308	MWD+IFR1+MS
4400.000	14.000	219.642	4393.055	16.924	-0.000	15.552	0.000	5.520	0.000	17.314	15.519	-42.699	MWD+IFR1+MS
4500.000	16.000	219.642	4489.643	17.254	-0.000	15.895	0.000	5.658	0.000	17.756	15.854	-42.182	MWD+IFR1+MS
4553.134	17.063	219.642	4540.580	17.364	-0.000	16.073	0.000	5.719	0.000	17.933	16.032	-42.139	MWD+IFR1+MS
4600.000	17.063	219.642	4585.383	17.508	-0.000	16.230	0.000	5.772	0.000	18.072	16.189	-42.148	MWD+IFR1+MS
4700.000	17.063	219.642	4680.981	17.815	-0.000	16.572	0.000	5.893	0.000	18.366	16.532	-42.051	MWD+IFR1+MS
4800.000	17.063	219.642	4776.580	18.132	-0.000	16.923	0.000	6.019	0.000	18.670	16.881	-41.807	MWD+IFR1+MS
4900.000	17.063	219.642	4872.178	18.452	-0.000	17.276	0.000	6.148	0.000	18.978	17.233	-41.551	MWD+IFR1+MS
5000.000	17.063	219.642	4967.777	18.776	-0.000	17.632	0.000	6.280	0.000	19.289	17.588	-41.285	MWD+IFR1+MS
5100.000	17.063	219.642	5063.375	19.104	-0.000	17.991	0.000	6.415	0.000	19.603	17.945	-41.006	MWD+IFR1+MS
5200.000	17.063	219.642	5158.974	19.434	-0.000	18.352	0.000	6.554	0.000	19.921	18.305	-40.715	MWD+IFR1+MS
5300.000	17.063	219.642	5254.572	19.768	-0.000	18.716	0.000	6.696	0.000	20.242	18.667	-40.412	MWD+IFR1+MS
5400.000	17.063	219.642	5350.170	20.105	-0.000	19.082	0.000	6.840	0.000	20.565	19.031	-40.095	MWD+IFR1+MS
5500.000	17.063	219.642	5445.769	20.445	-0.000	19.449	0.000	6.988	0.000	20.891	19.397	-39.763	MWD+IFR1+MS
5600.000	17.063	219.642	5541.367	20.788	-0.000	19.819	0.000	7.138	0.000	21.220	19.765	-39.417	MWD+IFR1+MS
5618.884	17.063	219.642	5559.420	20.851	-0.000	19.887	0.000	7.166	0.000	21.281	19.833	-39.406	MWD+IFR1+MS
5700.000	15.440	219.642	5637.292	21.247	-0.000	20.183	0.000	7.294	0.000	21.556	20.128	-39.298	MWD+IFR1+MS
5800.000	13.440	219.642	5734.128	21.797	-0.000	20.552	0.000	7.468	0.000	21.981	20.492	-38.984	MWD+IFR1+MS
5900.000	11.440	219.642	5831.775	22.341	-0.000	20.921	0.000	7.638	0.000	22.429	20.854	-38.672	MWD+IFR1+MS
6000.000	9.440	219.642	5930.115	22.853	-0.000	21.289	0.000	7.802	0.000	22.876	21.215	-38.415	MWD+IFR1+MS
6100.000	7.440	219.642	6029.027	23.335	-0.000	21.653	0.000	7.959	0.000	23.321	21.573	-38.200	MWD+IFR1+MS

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6200.000	5.440	219.642	6128.390	23.784	-0.000	22.014	0.000	8.111	0.000	0.000	23.762	21.927	-38.019	MWD+IFR1+MS
6300.000	3.440	219.642	6228.085	24.200	-0.000	22.372	0.000	8.259	0.000	0.000	24.198	22.278	-37.863	MWD+IFR1+MS
6400.000	1.440	219.642	6327.989	24.584	-0.000	22.724	0.000	8.404	0.000	0.000	24.630	22.625	-37.725	MWD+IFR1+MS
6472.018	0.000	0.000	6400.000	23.635	0.000	24.137	0.000	8.508	0.000	0.000	24.857	22.876	-37.646	MWD+IFR1+MS
6500.000	0.000	0.000	6427.982	23.730	0.000	24.228	0.000	8.548	0.000	0.000	24.946	22.973	-37.683	MWD+IFR1+MS
6600.000	0.000	0.000	6527.982	24.067	0.000	24.554	0.000	8.693	0.000	0.000	25.266	23.318	-37.762	MWD+IFR1+MS
6700.000	0.000	0.000	6627.982	24.410	0.000	24.885	0.000	8.840	0.000	0.000	25.595	23.664	-37.873	MWD+IFR1+MS
6800.000	0.000	0.000	6727.982	24.752	0.000	25.217	0.000	8.990	0.000	0.000	25.925	24.010	-37.982	MWD+IFR1+MS
6900.000	0.000	0.000	6827.982	25.096	0.000	25.549	0.000	9.142	0.000	0.000	26.255	24.356	-38.091	MWD+IFR1+MS
7000.000	0.000	0.000	6927.982	25.440	0.000	25.882	0.000	9.298	0.000	0.000	26.587	24.703	-38.198	MWD+IFR1+MS
7100.000	0.000	0.000	7027.982	25.784	0.000	26.216	0.000	9.455	0.000	0.000	26.919	25.050	-38.305	MWD+IFR1+MS
7200.000	0.000	0.000	7127.982	26.128	0.000	26.551	0.000	9.616	0.000	0.000	27.252	25.397	-38.410	MWD+IFR1+MS
7300.000	0.000	0.000	7227.982	26.473	0.000	26.886	0.000	9.779	0.000	0.000	27.585	25.744	-38.514	MWD+IFR1+MS
7400.000	0.000	0.000	7327.982	26.819	0.000	27.222	0.000	9.945	0.000	0.000	27.919	26.092	-38.617	MWD+IFR1+MS
7500.000	0.000	0.000	7427.982	27.164	0.000	27.558	0.000	10.114	0.000	0.000	28.254	26.440	-38.719	MWD+IFR1+MS
7600.000	0.000	0.000	7527.982	27.510	0.000	27.895	0.000	10.285	0.000	0.000	28.589	26.789	-38.819	MWD+IFR1+MS
7700.000	0.000	0.000	7627.982	27.856	0.000	28.233	0.000	10.459	0.000	0.000	28.925	27.137	-38.919	MWD+IFR1+MS
7800.000	0.000	0.000	7727.982	28.203	0.000	28.571	0.000	10.637	0.000	0.000	29.261	27.486	-39.018	MWD+IFR1+MS
7900.000	0.000	0.000	7827.982	28.550	0.000	28.909	0.000	10.816	0.000	0.000	29.598	27.835	-39.116	MWD+IFR1+MS
8000.000	0.000	0.000	7927.982	28.897	0.000	29.248	0.000	10.999	0.000	0.000	29.935	28.184	-39.213	MWD+IFR1+MS
8100.000	0.000	0.000	8027.982	29.244	0.000	29.588	0.000	11.185	0.000	0.000	30.273	28.534	-39.308	MWD+IFR1+MS
8200.000	0.000	0.000	8127.982	29.592	0.000	29.927	0.000	11.373	0.000	0.000	30.612	28.884	-39.403	MWD+IFR1+MS
8300.000	0.000	0.000	8227.982	29.940	0.000	30.268	0.000	11.565	0.000	0.000	30.951	29.233	-39.497	MWD+IFR1+MS
8400.000	0.000	0.000	8327.982	30.288	0.000	30.608	0.000	11.759	0.000	0.000	31.290	29.584	-39.590	MWD+IFR1+MS
8500.000	0.000	0.000	8427.982	30.637	0.000	30.949	0.000	11.956	0.000	0.000	31.630	29.934	-39.682	MWD+IFR1+MS
8600.000	0.000	0.000	8527.982	30.985	0.000	31.291	0.000	12.156	0.000	0.000	31.970	30.284	-39.773	MWD+IFR1+MS
8700.000	0.000	0.000	8627.982	31.334	0.000	31.633	0.000	12.359	0.000	0.000	32.310	30.635	-39.863	MWD+IFR1+MS
8800.000	0.000	0.000	8727.982	31.683	0.000	31.975	0.000	12.565	0.000	0.000	32.651	30.986	-39.953	MWD+IFR1+MS
8900.000	0.000	0.000	8827.982	32.033	0.000	32.318	0.000	12.774	0.000	0.000	32.993	31.337	-40.041	MWD+IFR1+MS
9000.000	0.000	0.000	8927.982	32.382	0.000	32.661	0.000	12.986	0.000	0.000	33.334	31.688	-40.128	MWD+IFR1+MS
9100.000	0.000	0.000	9027.982	32.732	0.000	33.004	0.000	13.201	0.000	0.000	33.676	32.039	-40.215	MWD+IFR1+MS
9200.000	0.000	0.000	9127.982	33.082	0.000	33.347	0.000	13.419	0.000	0.000	34.019	32.391	-40.301	MWD+IFR1+MS
9300.000	0.000	0.000	9227.982	33.432	0.000	33.691	0.000	13.639	0.000	0.000	34.361	32.742	-40.386	MWD+IFR1+MS

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9400.000	0.000	0.000	9327.982	33.782	0.000	34.035	0.000	13.863	0.000	0.000	34.704	33.094	-40.470	MWD+IFR1+MS
9500.000	0.000	0.000	9427.982	34.132	0.000	34.380	0.000	14.090	0.000	0.000	35.048	33.446	-40.553	MWD+IFR1+MS
9600.000	0.000	0.000	9527.982	34.483	0.000	34.725	0.000	14.320	0.000	0.000	35.391	33.798	-40.636	MWD+IFR1+MS
9700.000	0.000	0.000	9627.982	34.834	0.000	35.070	0.000	14.553	0.000	0.000	35.735	34.150	-40.717	MWD+IFR1+MS
9800.000	0.000	0.000	9727.982	35.184	0.000	35.415	0.000	14.789	0.000	0.000	36.080	34.503	-40.798	MWD+IFR1+MS
9900.000	0.000	0.000	9827.982	35.536	0.000	35.760	0.000	15.027	0.000	0.000	36.424	34.855	-40.878	MWD+IFR1+MS
10000.000	0.000	0.000	9927.982	35.887	0.000	36.106	0.000	15.269	0.000	0.000	36.769	35.207	-40.958	MWD+IFR1+MS
10100.000	0.000	0.000	10027.982	36.238	0.000	36.452	0.000	15.514	0.000	0.000	37.114	35.560	-41.036	MWD+IFR1+MS
10200.000	0.000	0.000	10127.982	36.590	0.000	36.799	0.000	15.762	0.000	0.000	37.459	35.913	-41.114	MWD+IFR1+MS
10300.000	0.000	0.000	10227.982	36.941	0.000	37.145	0.000	16.014	0.000	0.000	37.805	36.266	-41.191	MWD+IFR1+MS
10400.000	0.000	0.000	10327.982	37.293	0.000	37.492	0.000	16.268	0.000	0.000	38.151	36.619	-41.268	MWD+IFR1+MS
10500.000	0.000	0.000	10427.982	37.645	0.000	37.839	0.000	16.525	0.000	0.000	38.497	36.972	-41.343	MWD+IFR1+MS
10600.000	0.000	0.000	10527.982	37.997	0.000	38.186	0.000	16.785	0.000	0.000	38.843	37.325	-41.418	MWD+IFR1+MS
10633.818	0.000	0.000	10561.800	38.114	0.000	38.302	0.000	16.874	0.000	0.000	38.958	37.444	-41.437	MWD+IFR1+MS
10700.000	5.295	179.641	10627.888	38.372	0.000	38.533	-0.000	17.050	0.000	0.000	39.199	37.699	-42.424	MWD+IFR1+MS
10800.000	13.295	179.641	10726.495	38.966	0.000	38.863	-0.000	17.366	0.000	0.000	39.983	38.315	124.325	MWD+IFR1+MS
10900.000	21.295	179.641	10821.896	39.300	0.000	39.192	-0.000	17.838	0.000	0.000	41.100	38.823	113.080	MWD+IFR1+MS
11000.000	29.295	179.641	10912.235	39.060	0.000	39.513	-0.000	18.512	0.000	0.000	42.173	39.215	107.838	MWD+IFR1+MS
11100.000	37.295	179.641	10995.753	38.303	0.000	39.822	-0.000	19.421	0.000	0.000	43.111	39.556	105.203	MWD+IFR1+MS
11200.000	45.295	179.641	11070.825	37.111	0.000	40.118	-0.000	20.564	0.000	0.000	43.884	39.865	103.814	MWD+IFR1+MS
11300.000	53.295	179.641	11135.989	35.595	0.000	40.395	-0.000	21.917	0.000	0.000	44.480	40.148	103.114	MWD+IFR1+MS
11400.000	61.295	179.641	11189.977	33.900	0.000	40.653	-0.000	23.437	0.000	0.000	44.907	40.406	102.837	MWD+IFR1+MS
11500.000	69.295	179.641	11231.738	32.207	0.000	40.887	-0.000	25.068	0.000	0.000	45.181	40.638	102.837	MWD+IFR1+MS
11600.000	77.295	179.641	11260.460	30.733	0.000	41.098	-0.000	26.753	0.000	0.000	45.330	40.846	103.003	MWD+IFR1+MS
11700.000	85.295	179.641	11275.583	29.708	0.000	41.280	-0.000	28.435	0.000	0.000	45.389	41.028	103.225	MWD+IFR1+MS
11758.818	90.000	179.641	11277.997	28.853	0.000	41.372	-0.000	28.853	0.000	0.000	45.398	41.121	103.310	MWD+IFR1+MS
11800.000	90.000	179.641	11277.997	28.940	0.000	41.432	-0.000	28.940	0.000	0.000	45.400	41.184	103.362	MWD+IFR1+MS
11900.000	90.000	179.641	11277.997	29.112	0.000	41.593	-0.000	29.112	0.000	0.000	45.406	41.348	103.537	MWD+IFR1+MS
12000.000	90.000	179.641	11277.997	29.307	0.000	41.769	-0.000	29.307	0.000	0.000	45.414	41.527	103.778	MWD+IFR1+MS
12100.000	90.000	179.641	11277.997	29.522	0.000	41.958	-0.000	29.522	0.000	0.000	45.423	41.718	104.088	MWD+IFR1+MS
12200.000	90.000	179.641	11277.997	29.756	0.000	42.161	-0.000	29.756	0.000	0.000	45.433	41.921	104.480	MWD+IFR1+MS
12300.000	90.000	179.641	11277.997	30.008	0.000	42.376	-0.000	30.008	0.000	0.000	45.446	42.136	104.971	MWD+IFR1+MS
12400.000	90.000	179.641	11277.997	30.279	0.000	42.604	-0.000	30.279	0.000	0.000	45.461	42.362	105.584	MWD+IFR1+MS

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12500.000	90.000	179.641	11277.997	30.873	0.000	43.097	-0.000	30.873	0.000	45.497	42.846	107.320	MWD+IFR1+MS
12600.000	90.000	179.641	11277.997	31.195	0.000	43.362	-0.000	31.195	0.000	45.521	43.101	108.551	MWD+IFR1+MS
12700.000	90.000	179.641	11277.997	31.534	0.000	43.639	-0.000	31.534	0.000	45.549	43.365	110.138	MWD+IFR1+MS
12800.000	90.000	179.641	11277.997	31.888	0.000	43.927	-0.000	31.888	0.000	45.583	43.634	112.216	MWD+IFR1+MS
12900.000	90.000	179.641	11277.997	32.258	0.000	44.226	-0.000	32.258	0.000	45.627	43.906	114.984	MWD+IFR1+MS
13000.000	90.000	179.641	11277.997	32.642	0.000	44.537	-0.000	32.642	0.000	45.684	44.176	118.724	MWD+IFR1+MS
13100.000	90.000	179.641	11277.997	33.040	0.000	44.859	-0.000	33.040	0.000	45.762	44.437	123.787	MWD+IFR1+MS
13200.000	90.000	179.641	11277.997	33.453	0.000	45.191	-0.000	33.453	0.000	45.872	44.677	130.434	MWD+IFR1+MS
13300.000	90.000	179.641	11277.997	33.878	0.000	45.534	-0.000	33.878	0.000	46.026	44.884	-41.570	MWD+IFR1+MS
13400.000	90.000	179.641	11277.997	34.316	0.000	45.887	-0.000	34.316	0.000	46.234	45.048	-33.280	MWD+IFR1+MS
13500.000	90.000	179.641	11277.997	34.766	0.000	46.250	-0.000	34.766	0.000	46.495	45.169	-25.975	MWD+IFR1+MS
13600.000	90.000	179.641	11277.997	35.228	0.000	46.622	-0.000	35.228	0.000	46.798	45.259	-20.239	MWD+IFR1+MS
13700.000	90.000	179.641	11277.997	35.701	0.000	47.005	-0.000	35.701	0.000	47.133	45.326	-15.957	MWD+IFR1+MS
13800.000	90.000	179.641	11277.997	36.185	0.000	47.396	-0.000	36.185	0.000	47.492	45.380	-12.785	MWD+IFR1+MS
13900.000	90.000	179.641	11277.997	36.679	0.000	47.797	-0.000	36.679	0.000	47.869	45.424	-10.405	MWD+IFR1+MS
14000.000	90.000	179.641	11277.997	37.184	0.000	48.206	-0.000	37.184	0.000	48.262	45.463	-8.584	MWD+IFR1+MS
14100.000	90.000	179.641	11277.997	37.698	0.000	48.624	-0.000	37.698	0.000	48.667	45.499	-7.162	MWD+IFR1+MS
14200.000	90.000	179.641	11277.997	38.221	0.000	49.051	-0.000	38.221	0.000	49.084	45.531	-6.029	MWD+IFR1+MS
14300.000	90.000	179.641	11277.997	38.753	0.000	49.485	-0.000	38.753	0.000	49.511	45.562	-5.113	MWD+IFR1+MS
14400.000	90.000	179.641	11277.997	39.294	0.000	49.928	-0.000	39.294	0.000	49.948	45.592	-4.360	MWD+IFR1+MS
14500.000	90.000	179.641	11277.997	39.842	0.000	50.378	-0.000	39.842	0.000	50.394	45.622	-3.733	MWD+IFR1+MS
14600.000	90.000	179.641	11277.997	40.399	0.000	50.836	-0.000	40.399	0.000	50.848	45.651	-3.206	MWD+IFR1+MS
14700.000	90.000	179.641	11277.997	40.963	0.000	51.301	-0.000	40.963	0.000	51.310	45.679	-2.758	MWD+IFR1+MS
14800.000	90.000	179.641	11277.997	41.534	0.000	51.773	-0.000	41.534	0.000	51.781	45.708	-2.373	MWD+IFR1+MS
14900.000	90.000	179.641	11277.997	42.112	0.000	52.253	-0.000	42.112	0.000	52.258	45.737	-2.041	MWD+IFR1+MS
15000.000	90.000	179.641	11277.997	42.696	0.000	52.739	-0.000	42.696	0.000	52.743	45.766	-1.752	MWD+IFR1+MS
15100.000	90.000	179.641	11277.997	43.287	0.000	53.231	-0.000	43.287	0.000	53.234	45.795	-1.500	MWD+IFR1+MS
15200.000	90.000	179.641	11277.997	43.884	0.000	53.730	-0.000	43.884	0.000	53.732	45.825	-1.278	MWD+IFR1+MS
15300.000	90.000	179.641	11277.997	44.487	0.000	54.236	-0.000	44.487	0.000	54.237	45.854	-1.082	MWD+IFR1+MS
15400.000	90.000	179.641	11277.997	45.095	0.000	54.747	-0.000	45.095	0.000	54.748	45.885	-0.907	MWD+IFR1+MS
15500.000	90.000	179.641	11277.997	45.709	0.000	55.264	-0.000	45.709	0.000	55.264	45.915	-0.752	MWD+IFR1+MS
15600.000	90.000	179.641	11277.997	46.328	0.000	55.787	-0.000	46.328	0.000	55.787	45.946	-0.614	MWD+IFR1+MS
15700.000	90.000	179.641	11277.997										



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15800.000	90.000	179.641	11277.997	46.952	0.000	56.315	-0.000	46.952	0.000	56.315	45.978	-0.490	MWD+IFR1+MS
15900.000	90.000	179.641	11277.997	47.580	0.000	56.849	-0.000	47.580	0.000	56.849	46.010	-0.378	MWD+IFR1+MS
16000.000	90.000	179.641	11277.997	48.214	0.000	57.388	-0.000	48.214	0.000	57.388	46.042	-0.277	MWD+IFR1+MS
16100.000	90.000	179.641	11277.997	48.851	0.000	57.932	-0.000	48.851	0.000	57.932	46.075	-0.186	MWD+IFR1+MS
16200.000	90.000	179.641	11277.997	49.493	0.000	58.481	-0.000	49.493	0.000	58.482	46.109	-0.104	MWD+IFR1+MS
16300.000	90.000	179.641	11277.997	50.139	0.000	59.035	-0.000	50.139	0.000	59.036	46.143	-0.029	MWD+IFR1+MS
16400.000	90.000	179.641	11277.997	50.789	0.000	59.594	-0.000	50.789	0.000	59.595	46.177	0.039	MWD+IFR1+MS
16500.000	90.000	179.641	11277.997	51.443	0.000	60.157	-0.000	51.443	0.000	60.158	46.212	0.100	MWD+IFR1+MS
16600.000	90.000	179.641	11277.997	52.100	0.000	60.725	-0.000	52.100	0.000	60.726	46.247	0.156	MWD+IFR1+MS
16700.000	90.000	179.641	11277.997	52.761	0.000	61.297	-0.000	52.761	0.000	61.298	46.283	0.208	MWD+IFR1+MS
16800.000	90.000	179.641	11277.997	53.425	0.000	61.873	-0.000	53.425	0.000	61.874	46.320	0.255	MWD+IFR1+MS
16900.000	90.000	179.641	11277.997	54.092	0.000	62.453	-0.000	54.092	0.000	62.455	46.357	0.297	MWD+IFR1+MS
17000.000	90.000	179.641	11277.997	54.762	0.000	63.037	-0.000	54.762	0.000	63.039	46.395	0.336	MWD+IFR1+MS
17100.000	90.000	179.641	11277.997	55.436	0.000	63.625	-0.000	55.436	0.000	63.628	46.433	0.372	MWD+IFR1+MS
17200.000	90.000	179.641	11277.997	56.112	0.000	64.217	-0.000	56.112	0.000	64.220	46.471	0.405	MWD+IFR1+MS
17300.000	90.000	179.641	11277.997	56.791	0.000	64.812	-0.000	56.791	0.000	64.815	46.511	0.435	MWD+IFR1+MS
17400.000	90.000	179.641	11277.997	57.473	0.000	65.411	-0.000	57.473	0.000	65.415	46.550	0.462	MWD+IFR1+MS
17500.000	90.000	179.641	11277.997	58.157	0.000	66.014	-0.000	58.157	0.000	66.017	46.591	0.488	MWD+IFR1+MS
17600.000	90.000	179.641	11277.997	58.844	0.000	66.619	-0.000	58.844	0.000	66.623	46.631	0.511	MWD+IFR1+MS
17700.000	90.000	179.641	11277.997	59.534	0.000	67.228	-0.000	59.534	0.000	67.232	46.673	0.532	MWD+IFR1+MS
17800.000	90.000	179.641	11277.997	60.225	0.000	67.840	-0.000	60.225	0.000	67.845	46.715	0.551	MWD+IFR1+MS
17900.000	90.000	179.641	11277.997	60.919	0.000	68.456	-0.000	60.919	0.000	68.460	46.757	0.569	MWD+IFR1+MS
18000.000	90.000	179.641	11277.997	61.615	0.000	69.074	-0.000	61.615	0.000	69.079	46.800	0.585	MWD+IFR1+MS
18100.000	90.000	179.641	11277.997	62.314	0.000	69.695	-0.000	62.314	0.000	69.700	46.844	0.600	MWD+IFR1+MS
18200.000	90.000	179.641	11277.997	63.014	0.000	70.319	-0.000	63.014	0.000	70.325	46.888	0.613	MWD+IFR1+MS
18300.000	90.000	179.641	11277.997	63.716	0.000	70.946	-0.000	63.716	0.000	70.952	46.932	0.626	MWD+IFR1+MS
18400.000	90.000	179.641	11277.997	64.420	0.000	71.575	-0.000	64.420	0.000	71.582	46.977	0.637	MWD+IFR1+MS
18500.000	90.000	179.641	11277.997	65.126	0.000	72.208	-0.000	65.126	0.000	72.214	47.023	0.647	MWD+IFR1+MS
18600.000	90.000	179.641	11277.997	65.834	0.000	72.842	-0.000	65.834	0.000	72.849	47.069	0.657	MWD+IFR1+MS
18700.000	90.000	179.641	11277.997	66.543	0.000	73.479	-0.000	66.543	0.000	73.486	47.116	0.665	MWD+IFR1+MS
18800.000	90.000	179.641	11277.997	67.254	0.000	74.119	-0.000	67.254	0.000	74.126	47.163	0.673	MWD+IFR1+MS
18900.000	90.000	179.641	11277.997	67.967	0.000	74.761	-0.000	67.967	0.000	74.768	47.210	0.680	MWD+IFR1+MS
19000.000	90.000	179.641	11277.997	68.682	0.000	75.405	-0.000	68.682	0.000	75.413	47.259	0.686	MWD+IFR1+MS

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19100.000	90.000	179.641	11277.997	69.397	0.000	76.052	-0.000	69.397	0.000	76.060	47.307	0.691	MWD+IFR1+MS
19200.000	90.000	179.641	11277.997	70.115	0.000	76.701	-0.000	70.115	0.000	76.709	47.357	0.696	MWD+IFR1+MS
19300.000	90.000	179.641	11277.997	70.834	0.000	77.352	-0.000	70.834	0.000	77.360	47.406	0.700	MWD+IFR1+MS
19400.000	90.000	179.641	11277.997	71.554	0.000	78.005	-0.000	71.554	0.000	78.013	47.457	0.704	MWD+IFR1+MS
19500.000	90.000	179.641	11277.997	72.275	0.000	78.660	-0.000	72.275	0.000	78.668	47.508	0.708	MWD+IFR1+MS
19600.000	90.000	179.641	11277.997	72.998	0.000	79.317	-0.000	72.998	0.000	79.325	47.559	0.710	MWD+IFR1+MS
19700.000	90.000	179.641	11277.997	73.722	0.000	79.975	-0.000	73.722	0.000	79.984	47.611	0.713	MWD+IFR1+MS
19800.000	90.000	179.641	11277.997	74.447	0.000	80.636	-0.000	74.447	0.000	80.645	47.663	0.715	MWD+IFR1+MS
19900.000	90.000	179.641	11277.997	75.174	0.000	81.299	-0.000	75.174	0.000	81.308	47.716	0.717	MWD+IFR1+MS
20000.000	90.000	179.641	11277.997	75.902	0.000	81.963	-0.000	75.902	0.000	81.973	47.769	0.718	MWD+IFR1+MS
20100.000	90.000	179.641	11277.997	76.630	0.000	82.629	-0.000	76.630	0.000	82.639	47.823	0.719	MWD+IFR1+MS
20200.000	90.000	179.641	11277.997	77.360	0.000	83.297	-0.000	77.360	0.000	83.307	47.878	0.720	MWD+IFR1+MS
20300.000	90.000	179.641	11277.997	78.091	0.000	83.967	-0.000	78.091	0.000	83.977	47.933	0.720	MWD+IFR1+MS
20400.000	90.000	179.641	11277.997	78.823	0.000	84.638	-0.000	78.823	0.000	84.648	47.988	0.720	MWD+IFR1+MS
20500.000	90.000	179.641	11277.997	79.556	0.000	85.311	-0.000	79.556	0.000	85.321	48.044	0.720	MWD+IFR1+MS
20600.000	90.000	179.641	11277.997	80.290	0.000	85.985	-0.000	80.290	0.000	85.996	48.100	0.720	MWD+IFR1+MS
20700.000	90.000	179.641	11277.997	81.025	0.000	86.661	-0.000	81.025	0.000	86.672	48.157	0.719	MWD+IFR1+MS
20800.000	90.000	179.641	11277.997	81.761	0.000	87.338	-0.000	81.761	0.000	87.349	48.214	0.718	MWD+IFR1+MS
20900.000	90.000	179.641	11277.997	82.498	0.000	88.017	-0.000	82.498	0.000	88.028	48.272	0.717	MWD+IFR1+MS
21000.000	90.000	179.641	11277.997	83.235	0.000	88.697	-0.000	83.235	0.000	88.708	48.331	0.716	MWD+IFR1+MS
21100.000	90.000	179.641	11277.997	83.974	0.000	89.379	-0.000	83.974	0.000	89.390	48.390	0.715	MWD+IFR1+MS
21200.000	90.000	179.641	11277.997	84.713	0.000	90.062	-0.000	84.713	0.000	90.073	48.449	0.713	MWD+IFR1+MS
21300.000	90.000	179.641	11277.997	85.453	0.000	90.746	-0.000	85.453	0.000	90.757	48.509	0.712	MWD+IFR1+MS
21400.000	90.000	179.641	11277.997	86.194	0.000	91.432	-0.000	86.194	0.000	91.443	48.569	0.710	MWD+IFR1+MS
21500.000	90.000	179.641	11277.997	86.936	0.000	92.118	-0.000	86.936	0.000	92.130	48.630	0.708	MWD+IFR1+MS
21600.000	90.000	179.641	11277.997	87.678	0.000	92.807	-0.000	87.678	0.000	92.818	48.691	0.706	MWD+IFR1+MS
21700.000	90.000	179.641	11277.997	88.421	0.000	93.496	-0.000	88.421	0.000	93.507	48.753	0.704	MWD+IFR1+MS
21800.000	90.000	179.641	11277.997	89.165	0.000	94.186	-0.000	89.165	0.000	94.198	48.815	0.702	MWD+IFR1+MS
21900.000	90.000	179.641	11277.997	89.910	0.000	94.878	-0.000	89.910	0.000	94.890	48.878	0.700	MWD+IFR1+MS
22000.000	90.000	179.641	11277.997	90.655	0.000	95.570	-0.000	90.655	0.000	95.582	48.941	0.697	MWD+IFR1+MS
22100.000	90.000	179.641	11277.997	91.401	0.000	96.264	-0.000	91.401	0.000	96.276	49.004	0.695	MWD+IFR1+MS
22200.000	90.000	179.641	11277.997	92.148	0.000	96.959	-0.000	92.148	0.000	96.971	49.069	0.692	MWD+IFR1+MS
22300.000	90.000	179.641	11277.997	92.895	0.000	97.655	-0.000	92.895	0.000	97.667	49.133	0.690	MWD+IFR1+MS

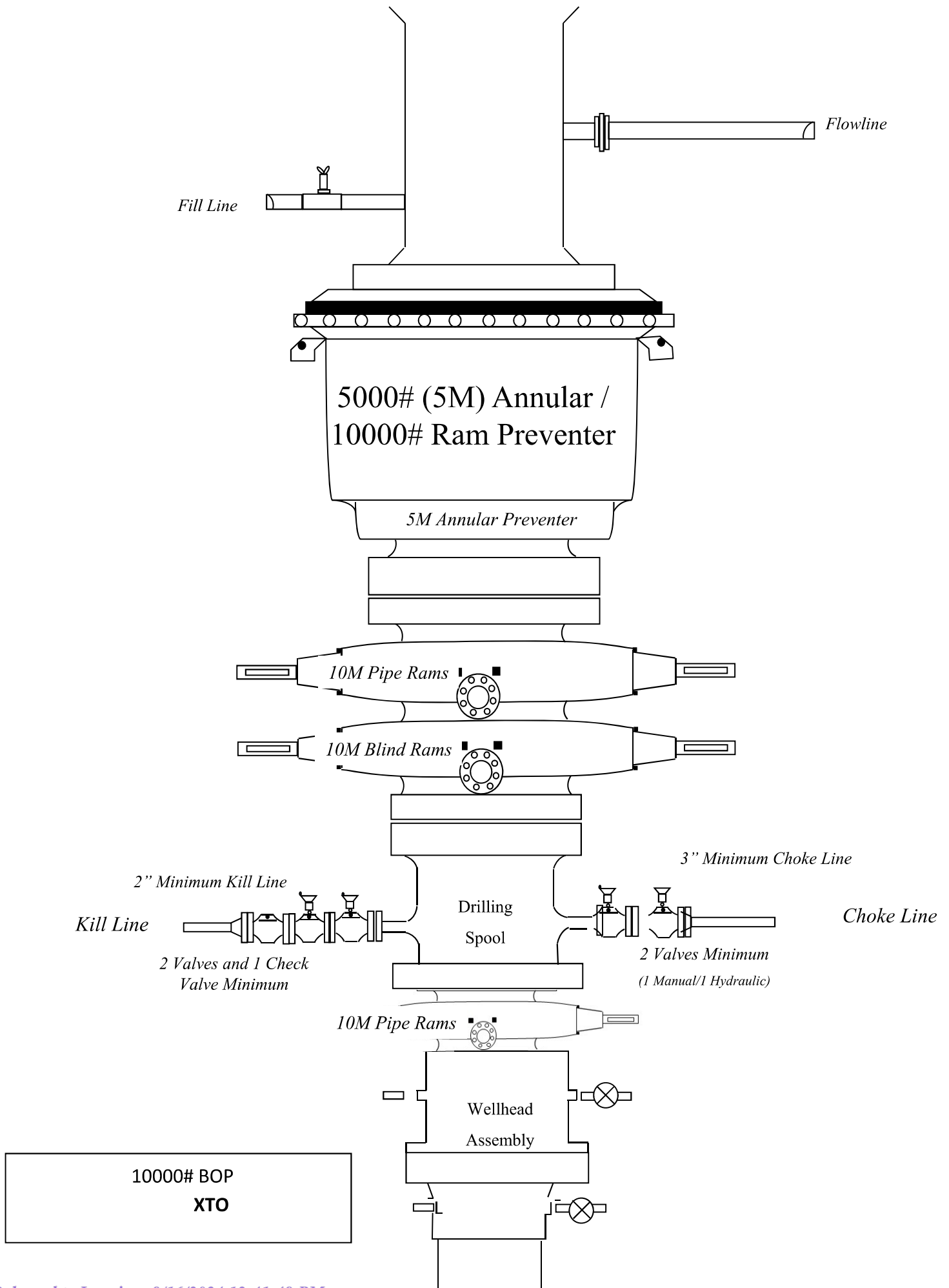
Well Plan Report

3/20/24, 9:50 AM	90.000	179.641	11277.997	93.643	0.000	98.352	-0.000	93.643	0.000	0.000	98.364	49.198	0.687	MWD+IFR1+MS
22400.000	90.000	179.641	11277.997	93.643	0.000	98.352	-0.000	93.643	0.000	0.000	98.364	49.198	0.687	MWD+IFR1+MS
22500.000	90.000	179.641	11277.997	94.391	0.000	99.050	-0.000	94.391	0.000	0.000	99.062	49.264	0.684	MWD+IFR1+MS
22600.000	90.000	179.641	11277.997	95.140	0.000	99.749	-0.000	95.140	0.000	0.000	99.761	49.330	0.681	MWD+IFR1+MS
22700.000	90.000	179.641	11277.997	95.890	0.000	100.449	-0.000	95.890	0.000	0.000	100.462	49.396	0.679	MWD+IFR1+MS
22800.000	90.000	179.641	11277.997	96.640	0.000	101.150	-0.000	96.640	0.000	0.000	101.162	49.463	0.676	MWD+IFR1+MS
22900.000	90.000	179.641	11277.997	97.390	0.000	101.852	-0.000	97.390	0.000	0.000	101.864	49.530	0.673	MWD+IFR1+MS
23000.000	90.000	179.641	11277.997	98.142	0.000	102.555	-0.000	98.142	0.000	0.000	102.567	49.598	0.670	MWD+IFR1+MS
23100.000	90.000	179.641	11277.997	98.893	0.000	103.258	-0.000	98.893	0.000	0.000	103.271	49.666	0.667	MWD+IFR1+MS
23200.000	90.000	179.641	11277.997	99.646	0.000	103.963	-0.000	99.646	0.000	0.000	103.976	49.735	0.664	MWD+IFR1+MS
23300.000	90.000	179.641	11277.997	100.398	0.000	104.668	-0.000	100.398	0.000	0.000	104.681	49.804	0.660	MWD+IFR1+MS
23400.000	90.000	179.641	11277.997	101.152	0.000	105.374	-0.000	101.152	0.000	0.000	105.387	49.874	0.657	MWD+IFR1+MS
23500.000	90.000	179.641	11277.997	101.905	0.000	106.081	-0.000	101.905	0.000	0.000	106.094	49.944	0.654	MWD+IFR1+MS
23600.000	90.000	179.641	11277.997	102.659	0.000	106.789	-0.000	102.659	0.000	0.000	106.802	50.014	0.651	MWD+IFR1+MS
23700.000	90.000	179.641	11277.997	103.414	0.000	107.498	-0.000	103.414	0.000	0.000	107.511	50.085	0.648	MWD+IFR1+MS
23800.000	90.000	179.641	11277.997	104.169	0.000	108.207	-0.000	104.169	0.000	0.000	108.220	50.156	0.644	MWD+IFR1+MS
23900.000	90.000	179.641	11277.997	104.925	0.000	108.918	-0.000	104.925	0.000	0.000	108.931	50.228	0.641	MWD+IFR1+MS
24000.000	90.000	179.641	11277.997	105.681	0.000	109.628	-0.000	105.681	0.000	0.000	109.642	50.300	0.638	MWD+IFR1+MS
24029.398	90.000	179.641	11277.997	105.902	0.000	109.837	-0.000	105.902	0.000	0.000	109.850	50.322	0.637	MWD+IFR1+MS
24100.000	90.000	179.641	11277.997	106.436	0.000	110.338	-0.000	106.436	0.000	0.000	110.351	50.373	0.635	MWD+IFR1+MS
24119.380	90.000	179.641	11277.997	106.582	0.000	110.476	-0.000	106.582	0.000	0.000	110.489	50.387	0.634	MWD+IFR1+MS

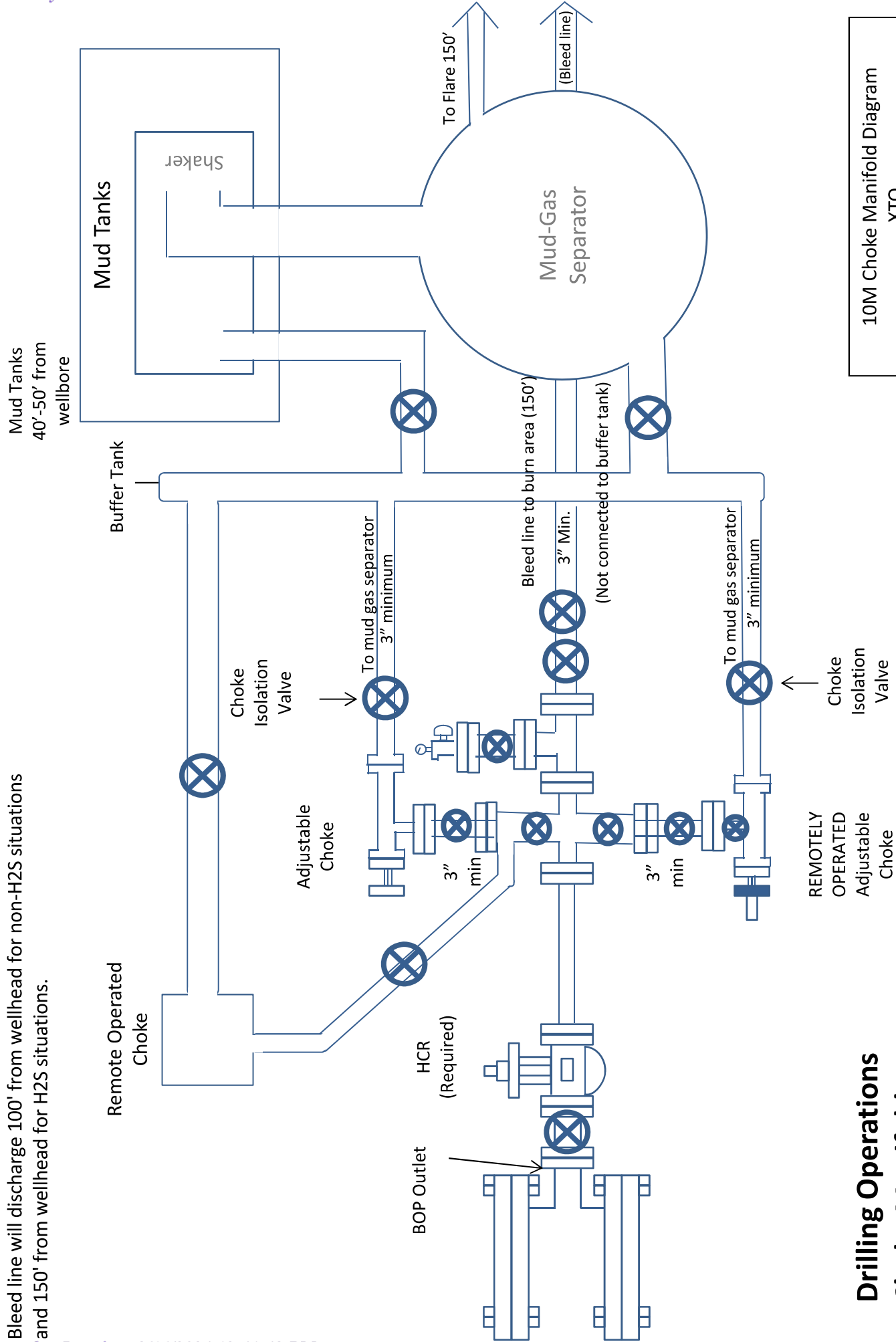
Poker Lake Unit 21 DTD South 168H

Plan Targets	Measured Depth				Grid Northing		Grid Easting		TVD MSL		Target Shape	
	Target Name		(ft)		(ft)		(ft)		(ft)			
	FTP 18		11496.69		440448.90		640618.50		7849.00		RECTANGLE	
	SHL 4		13816.60		440101.61		638007.57		7575.00		RECTANGLE	
	LTP 18		24029.38		427462.40		640699.80		7849.00		RECTANGLE	
	BHL 18		24119.38		427372.40		640700.30		7849.00		RECTANGLE	





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



10M Choke Manifold Diagram  
XTO

**Drilling Operations  
Choke Manifold  
10M Service**



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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Spring, Texas 77380  
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connections@uss.com  
www.usstubular.com



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

Description of Operations:


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





## U. S. Steel Tubular Products

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

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

UNCONTROLLED

## Notes

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

## Legal Notice

All material contained in this publication is for general information only. This material should not therefore be used or relied upon for any specific application without independent competent professional examination and verification of accuracy, suitability and applicability. Anyone making use of this material does so at their own risk and assumes any and all liability resulting from such use. U. S. Steel disclaims any and all expressed or implied warranties of fitness for any general or particular application.

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**BLACK GOLD®**

**GATES ENGINEERING & SERVICES NORTH AMERICA**  
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**Houston, TX. 77086**

**PHONE: +1 (281) 602-4100****FAX: +1 (281) 602-4147****EMAIL: gesna.quality@gates.com****WEB: www.gates.com/oilandgas**

*NEW CHOKE HOSE*  
*INSTALLED 02-10-2024*

## CERTIFICATE OF CONFORMANCE

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

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

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

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

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

1/25/2024



H3-15/16

1/25/2024 11:48:06 AM

# TEST REPORT

**CUSTOMER**

Company: Nabors Industries Inc.

Production description: 74621/66-1531

Sales order #: 529480

Customer reference: FG1213

**TEST OBJECT**

Serial number: H3-012524-1

Lot number:

Description: 74621/66-1531

Hose ID: 3" 16C CK

Part number:

**TEST INFORMATION**

Test procedure: GTS-04-053

Test pressure: 15000.00 psi

Test pressure hold: 3600.00 sec

Work pressure: 10000.00 psi

Work pressure hold: 900.00 sec

Length difference: 0.00 %

Length difference: 0.00 inch

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

Part number:

Description:

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

Part number:

Description:

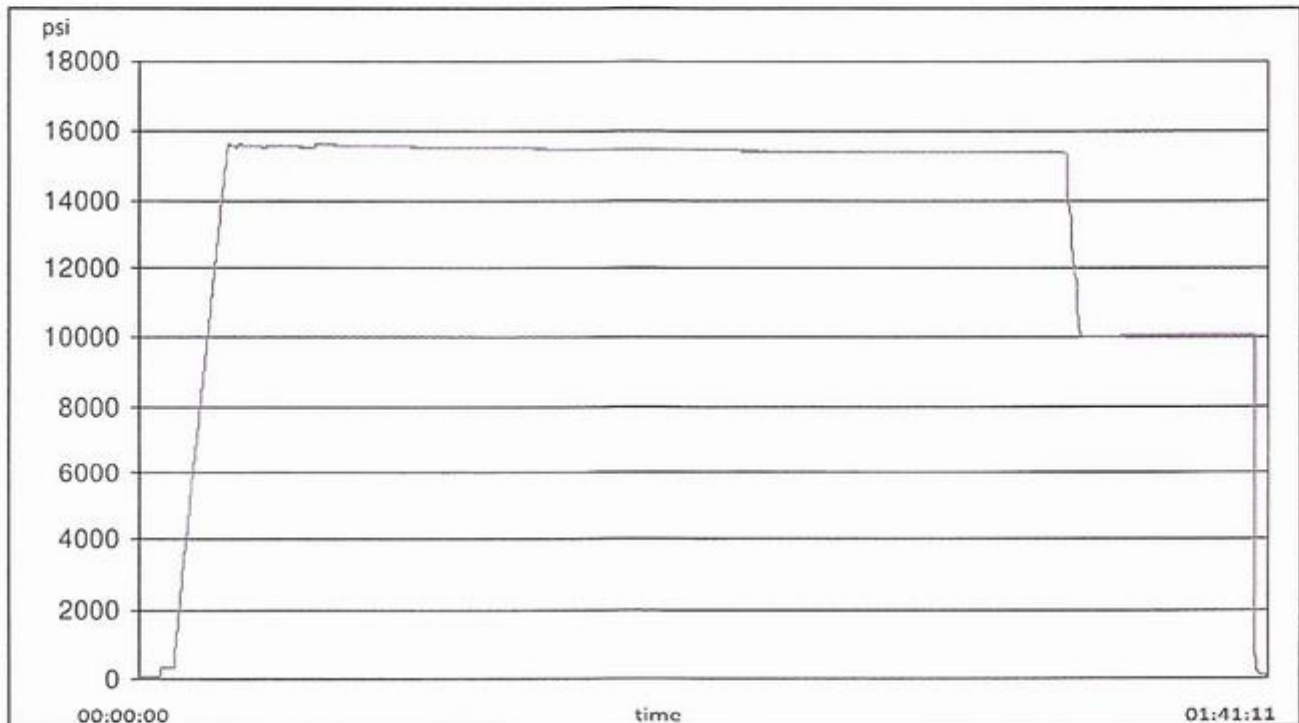
Visual check:

Pressure test result: PASS

Length measurement result:

Length: 45 feet

Test operator: Travis





H3-15/16

1/25/2024 11:48:06 AM

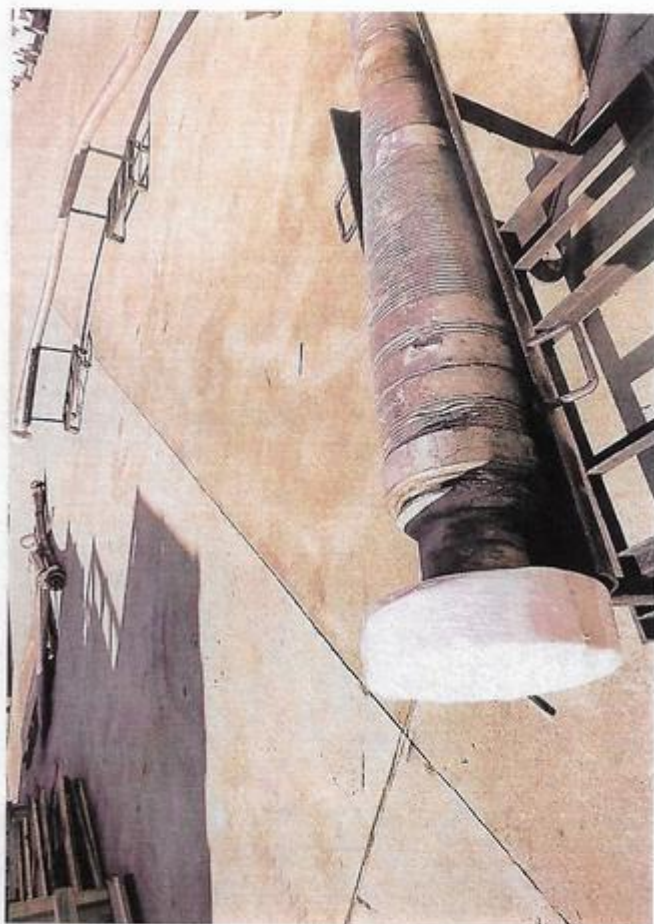
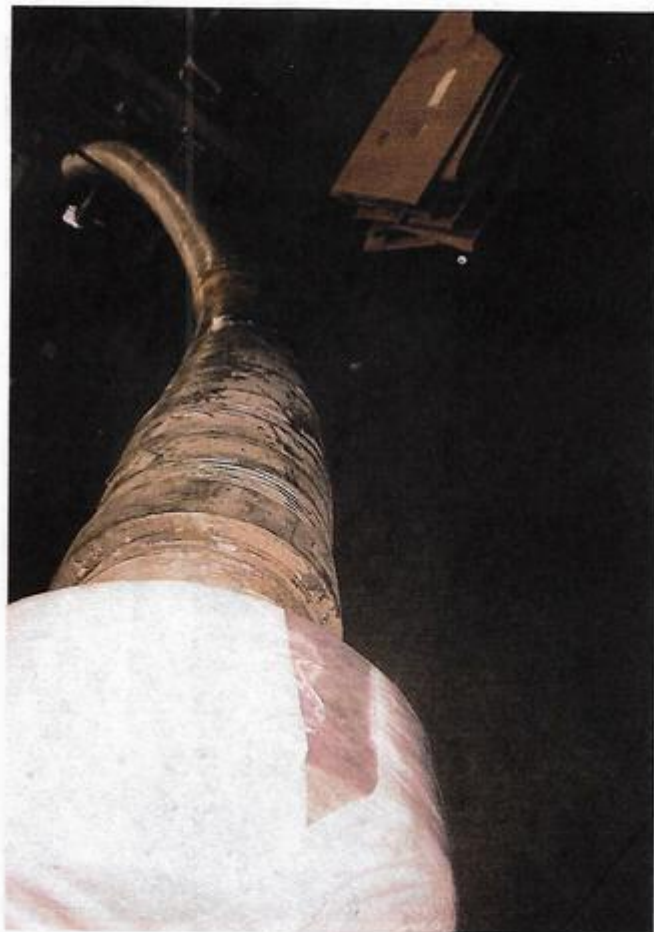
TEST REPORT

GAUGE TRACEABILITY

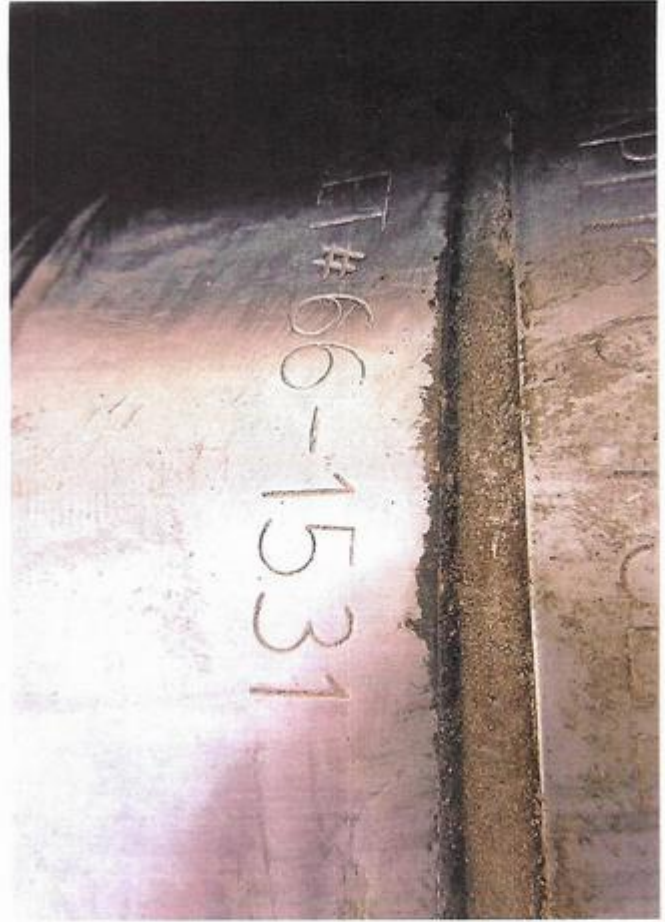
Description	Serial number	Calibration date	Calibration due date
S-25-A-W	110D3PHO	2023-06-06	2024-06-06
S-25-A-W	110IQWDG	2023-05-16	2024-05-16

Comment











**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
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  
  
Action 383797

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 383797
	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.	9/16/2024
ward.rikala	Operator must comply with all requirements of R-111-Q.	9/16/2024