

Lease Number: NMNM068905

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001549888

Operator: XTO PERMIAN OPERATING
LLC

Notice of Intent

Sundry ID: 2785996

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 04/19/2024

Time Sundry Submitted: 01:35

Date proposed operation will begin: 05/03/2024

Procedure Description: POKER LAKE UNIT 22 DTD 185H SUNDRY LANGUAGE 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: 100' FSL & 1750' FEL OF SECTION 15-T24S-R30E 100' FNL & 1323' FEL OF SECTION 22-T24S-R30E LTP: 328' FNL & 1750' FEL OF SECTION 3-T24S-R30E 2537' FNL & 1322' FEL OF SECTION 34-T24S-R30E BHL: 198' FNL & 1750' FEL OF SECTION 3-T24S-R30E 2627' FNL & 1322' FEL OF SECTION 34-T24S-R30E The proposed total depth is changing from 28092' MD; 12233' TVD (Jennings/WOLFCAMP (Gas)) to 22469' MD; 9673' TVD (Bone Spring 2 Sand). See attached Drilling Plan for updated cement and casing program. A saturated salt brine will be utilized while drilling through the salt formations. Attachments: C-102, Drilling Plan, Directional Plan, MBS

NOI Attachments

Procedure Description

PLU_22_DTD_185H_Sundry_Documents_20240806082224.pdf

US Well Number: 3001549888

Operator: XTO PERMIAN OPERATING
LLC**Conditions of Approval****Additional**

Poker_Lake_Unit_22_DTD_185H_COA_20241010102608.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: ADRIAN BAKER**Signed on:** AUG 06, 2024 08:22 AM**Name:** XTO PERMIAN OPERATING LLC**Title:** Regulatory Analyst**Street Address:** 22777 SPRINGWOODS VILLAGE PARKWAY**City:** SPRING**State:** TX**Phone:** (432) 236-3808**Email address:** ADRIAN.BAKER@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:** 10/17/2024**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. | NMLC068905 |
| 6. If Indian, Allottee or Tribe Name | |

| | |
|--|---|
| SUBMIT IN TRIPLICATE - Other instructions on page 2 | |
| 1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other | |
| 2. Name of Operator XTO PERMIAN OPERATING LLC | |
| 3a. Address 6401 HOLIDAY HILL ROAD BLDG 5, MIDLAND, | 3b. Phone No. (include area code) (432) 683-2277 |
| 4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) SEC 22/T24S/R30E/NMP | |

| |
|--|
| 7. If Unit of CA/Agreement, Name and/or No. |
| 8. Well Name and No. POKER LAKE UNIT 22 DTD/185H |
| 9. API Well No. 3001549888 |
| 10. Field and Pool or Exploratory Area Jennings/BONE SPRING |
| 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.)

POKER LAKE UNIT 22 DTD 185H

SUNDRY LANGUAGE

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: 100' FSL & 1750' FEL OF SECTION 15-T24S-R30E 100' FNL & 1323' FEL OF SECTION 22-T24S-R30E
LTP: 328' FNL & 1750' FEL OF SECTION 3-T24S-R30E 2537' FNL & 1322' FEL OF SECTION 34-T24S-R30E
BHL: 198' FNL & 1750' FEL OF SECTION 3-T24S-R30E 2627' FNL & 1322' FEL OF SECTION 34-T24S-R30E
Continued on page 3 additional information

| | |
|--|-----------------------------|
| 14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) ADRIAN BAKER / Ph: (432) 236-3808 | Title Regulatory Analyst |
| Signature (Electronic Submission) | Date 08/06/2024 |

| THE SPACE FOR FEDERAL OR STATE OFFICE USE | | |
|---|-----------------------------|--------------------|
| Approved by CHRISTOPHER WALLS / Ph: (575) 234-2234 / Approved | Title Petroleum Engineer | Date 10/17/2024 |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. | Office CARLSBAD | |

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

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

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

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

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

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

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

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

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

Response to this request is mandatory.

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

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

Additional Information

Additional Remarks

The proposed total depth is changing from 28092 MD; 12233 TVD (Jennings/WOLFCAMP (Gas)) to 22469 MD; 9673 TVD (Bone Spring 2 Sand).

See attached Drilling Plan for updated cement and casing program.

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

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

Location of Well

0. SHL: NWNE / 414 FNL / 1856 FEL / TWSP: 24S / RANGE: 30E / SECTION: 22 / LAT: 32.209432 / LONG: -103.866281 (TVD: 0 feet, MD: 0 feet)

PPP: SWNE / 100 FSL / 1577 FWL / TWSP: 24S / RANGE: 30E / SECTION: 15 / LAT: 32.210805 / LONG: -103.872488 (TVD: 12233 feet, MD: 15200 feet)

PPP: SWSE / 100 FSL / 2237 FEL / TWSP: 24S / RANGE: 30E / SECTION: 15 / LAT: 32.210847 / LONG: -103.865935 (TVD: 12233 feet, MD: 12560 feet)

PPP: NWNE / 300 FNL / 313 FWL / TWSP: 24S / RANGE: 30E / SECTION: 10 / LAT: 32.253158 / LONG: -103.876545 (TVD: 12233 feet, MD: 17840 feet)

BHL: LOT 2 / 198 FNL / 1750 FEL / TWSP: 24S / RANGE: 30E / SECTION: 3 / LAT: 32.253543 / LONG: -103.865909 (TVD: 12233 feet, MD: 28092 feet)

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

| | |
|------------------------------|-----------------------------|
| OPERATOR'S NAME: | XTO |
| LEASE NO.: | NMLC 068905 |
| LOCATION: | Sec. 22, T.24 S, R 30 E |
| COUNTY: | Eddy County, New Mexico ▼ |
| WELL NAME & NO.: | Poker Lake Unit 22 DTD 185H |
| SURFACE HOLE FOOTAGE: | 414'/S & 1856'/E |
| BOTTOM HOLE FOOTAGE: | 2627'/N & 1322'/E |

Changes approved through engineering via **Sundry 2785996** on 9-13-2024. Any previous COAs not addressed within the updated COAs still apply.

COA

| H ₂ S | <input checked="" type="radio"/> No <input type="radio"/> Yes | | | |
|----------------------------|--|---|--|--|
| Potash / WIPP | <input checked="" type="radio"/> None | <input type="radio"/> Secretary | <input type="radio"/> R-111-Q | <input type="checkbox"/> Open Annulus <input type="checkbox"/> WIPP |
| | Choose an option (including blank option.) | | | |
| Cave / Karst | <input checked="" type="radio"/> Low | <input type="radio"/> Medium | <input type="radio"/> High | <input type="radio"/> Critical |
| Wellhead | <input type="radio"/> Conventional | <input checked="" type="radio"/> Multibowl | <input type="radio"/> Both | <input type="radio"/> Diverter |
| Cementing | <input checked="" type="checkbox"/> Primary Squeeze | <input type="checkbox"/> Cont. Squeeze | <input checked="" type="checkbox"/> EchoMeter | <input type="checkbox"/> DV Tool |
| Special Req | <input type="checkbox"/> Capitan Reef | <input type="checkbox"/> Water Disposal | <input type="checkbox"/> COM | <input checked="" type="checkbox"/> Unit |
| Waste Prev. | <input type="radio"/> Self-Certification | <input type="radio"/> Waste Min. Plan | <input checked="" type="radio"/> APD Submitted prior to 06/10/2024 | |
| Additional Language | <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 (H₂S) monitors shall be installed prior to drilling out the surface shoe. If H₂S is detected in concentrations greater than 100 ppm, the Hydrogen Sulfide area shall meet 43 CFR 3176 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.

B. CASING

1. The **9-5/8** inch surface casing shall be set at approximately **894** 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 6466'**
- b. **Second stage:** Operator will perform bradenhead squeeze and top-out. Cement to surface. If cement does not reach surface, the appropriate BLM office shall be notified.

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

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

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

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

C. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).
2. Operator has proposed a multi-bowl wellhead assembly. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M) psi**.

Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.

- a. 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.
- b. Manufacturer representative shall install the test plug for the initial BOP test.
- c. 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.
- d. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172 must be followed.

D. SPECIAL REQUIREMENT (S)

Unit Wells

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

Commercial Well Determination

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

BOPE Break Testing Variance

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

Offline Cementing

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

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

Casing Clearance

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

GENERAL REQUIREMENTS

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

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

Contact Eddy County Petroleum Engineering Inspection Staff:

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

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

A. CASING

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

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

B. PRESSURE CONTROL

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

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

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

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

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

| | | |
|---|---|---|
| ¹ API Number 30-015- 49888 | ² Pool Code 97798 | ³ Pool Name WILDCAT G-06 S243026M; BONE SPRING |
| ⁴ Property Code 333192 | ⁵ Property Name POKER LAKE UNIT 22 DTD | ⁶ Well Number 185H |
| ⁷ OGRID No. 373075 | ⁸ Operator Name XTO PERMIAN OPERATING, LLC | ⁹ Elevation 3,413' |

¹⁰ Surface Location

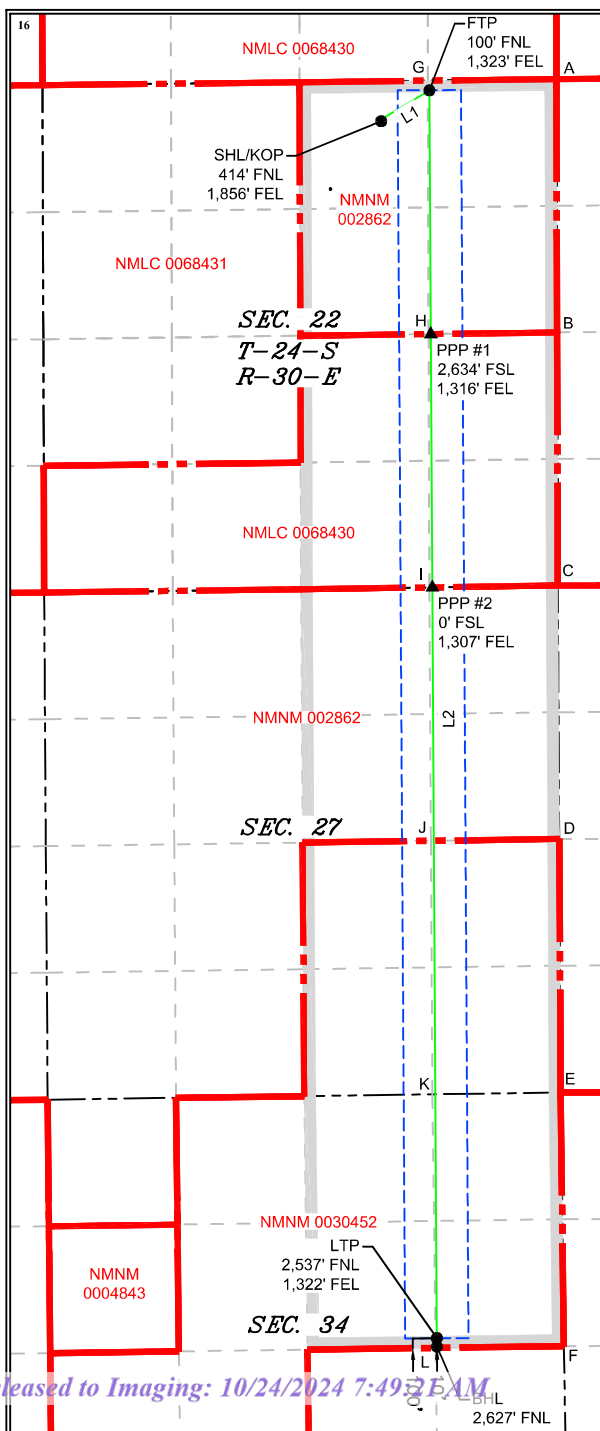
| | | | | | | | | | |
|---------------------------|----------------------|------------------------|---------------------|---------|-----------------------------|----------------------------------|-------------------------------|-------------------------------|-----------------------|
| UL or lot no. B | Section 22 | Township 24S | Range 30E | Lot Idn | Feet from the 414 | North/South line NORTH | Feet from the 1,856 | East/West line EAST | County EDDY |
|---------------------------|----------------------|------------------------|---------------------|---------|-----------------------------|----------------------------------|-------------------------------|-------------------------------|-----------------------|

¹¹ Bottom Hole Location If Different From Surface

| | | | | | | | | | |
|---------------------------|----------------------|------------------------|---------------------|---------|-------------------------------|----------------------------------|-------------------------------|-------------------------------|-----------------------|
| UL or lot no. H | Section 34 | Township 24S | Range 30E | Lot Idn | Feet from the 2,627 | North/South line NORTH | Feet from the 1,322 | East/West line EAST | County EDDY |
|---------------------------|----------------------|------------------------|---------------------|---------|-------------------------------|----------------------------------|-------------------------------|-------------------------------|-----------------------|

| | | | |
|--|-------------------------------|----------------------------------|-------------------------|
| ¹² Dedicated Acres 800.00 | ¹³ Joint or Infill | ¹⁴ Consolidation Code | ¹⁵ 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.



LEGEND

| | |
|-----|--------------------------|
| --- | SECTION LINE |
| --- | PROPOSED WELL BORE |
| --- | NEW MEXICO MINERAL LEASE |
| --- | 330' BUFFER |
| --- | ALLOCATION AREA |

LINE TABLE

| LINE | AZIMUTH | LENGTH |
|------|------------|------------|
| L1 | 058°56'56" | 620.99' |
| L2 | 179°39'14" | 13,067.84' |

COORDINATE TABLE

| SHL/KOP (NAD 83 NME) | SHL/KOP (NAD 27 NME) |
|-----------------------|-----------------------|
| Y = 440,239.3 N | Y = 440,180.2 N |
| X = 685,788.8 E | X = 644,605.1 E |
| LAT. = 32.209432 °N | LAT. = 32.209308 °N |
| LONG. = 103.866281 °W | LONG. = 103.865794 °W |
| FTP (NAD 83 NME) | FTP (NAD 27 NME) |
| Y = 440,559.6 N | Y = 440,500.5 N |
| X = 686,320.8 E | X = 645,137.1 E |
| LAT. = 32.210306 °N | LAT. = 32.210182 °N |
| LONG. = 103.864556 °W | LONG. = 103.864070 °W |
| PPP (NAD 83 NME) | PPP (NAD 27 NME) |
| Y = 438,023.9 N | Y = 437,964.9 N |
| X = 686,336.0 E | X = 645,152.2 E |
| LAT. = 32.203336 °N | LAT. = 32.203212 °N |
| LONG. = 103.864543 °W | LONG. = 103.864057 °W |
| PPP #2 (NAD 83 NME) | PPP #2 (NAD 27 NME) |
| Y = 435,389.9 N | Y = 435,331.0 N |
| X = 686,351.9 E | X = 645,168.0 E |
| LAT. = 32.196095 °N | LAT. = 32.195971 °N |
| LONG. = 103.864529 °W | LONG. = 103.864043 °W |
| LTP (NAD 83 NME) | LTP (NAD 27 NME) |
| Y = 427,582.0 N | Y = 427,523.3 N |
| X = 686,398.9 E | X = 645,214.7 E |
| LAT. = 32.174632 °N | LAT. = 32.174508 °N |
| LONG. = 103.864487 °W | LONG. = 103.864002 °W |
| BHL (NAD 83 NME) | BHL (NAD 27 NME) |
| Y = 427,492.0 N | Y = 427,433.3 N |
| X = 686,399.7 E | X = 645,215.5 E |
| LAT. = 32.174385 °N | LAT. = 32.174260 °N |
| LONG. = 103.864485 °W | LONG. = 103.864001 °W |

CORNER COORDINATES (NAD 83 NME)

| | |
|---------------------|---------------------|
| A - Y = 440,675.5 N | A - X = 687,643.7 E |
| B - Y = 438,041.1 N | B - X = 687,651.9 E |
| C - Y = 435,409.3 N | C - X = 687,659.2 E |
| D - Y = 432,774.3 N | D - X = 687,673.4 E |
| E - Y = 430,137.1 N | E - X = 687,689.1 E |
| F - Y = 427,500.0 N | F - X = 687,722.1 E |
| G - Y = 440,659.4 N | G - X = 686,305.3 E |
| H - Y = 438,023.6 N | H - X = 686,313.8 E |
| I - Y = 435,389.4 N | I - X = 686,321.7 E |
| J - Y = 432,755.8 N | J - X = 686,337.0 E |
| K - Y = 430,118.7 N | K - X = 686,353.1 E |
| L - Y = 427,481.8 N | L - X = 686,386.5 E |

CORNER COORDINATES (NAD 27 NME)

| | |
|---------------------|---------------------|
| A - Y = 440,616.4 N | A - X = 646,459.9 E |
| B - Y = 437,082.4 N | B - X = 646,469.1 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

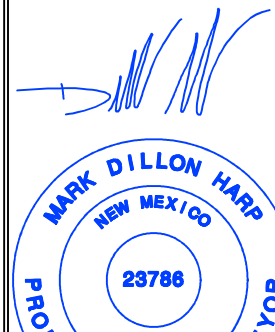
¹⁸ SURVEYOR CERTIFICATION

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:



Intent ☒ As Drilled ☐

| | | |
|--|--|---------------------|
| API # 30-015- | | |
| Operator Name: XTO PERMIAN OPERATING, LLC | Property Name: POKER LAKE UNIT 22 DTD | Well Number 185H |

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 22 | Township 24S | Range 30E | Lot | Feet 100 | From N/S North | Feet 1,323 | From E/W East | County Eddy |
| Latitude 32.210306 | | | | | Longitude -103.864556 | | | | NAD 83 |

Last Take Point (LTP)

| | | | | | | | | | |
|-----------------------|---------------|-----------------|--------------|-----|--------------------------|-------------------|---------------|------------------|----------------|
| UL H | Section 34 | Township 24S | Range 30E | Lot | Feet 2,537 | From N/S North | Feet 1,322 | From E/W East | County Eddy |
| Latitude 32.174632 | | | | | Longitude -103.864487 | | | | 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 22 DTD 185H
Projected TD: 22469' MD / 9673' TVD
SHL: 414' FNL & 1856' FEL , Section 22, T24S, R30E
BHL: 2627' FNL & 1322' FEL , Section 34, T24S, 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 | 1130' | Water |
| Top of Salt | 1533' | Water |
| Base of Salt | 3726' | Water |
| Delaware | 3920' | Water |
| Brushy Canyon | 6466' | Water/Oil/Gas |
| Bone Spring | 7790' | Water |
| Avalon | 8483' | Water/Oil/Gas |
| 1st Bone Spring | 8499' | Water/Oil/Gas |
| 2nd Bone Spring | 9084' | Water/Oil/Gas |
| Target/Land Curve | 9673' | 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 @ 1230' (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 8793' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 22469 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 8493 feet).

3. Casing Design

| Hole Size | Depth | OD Csg | Weight | Grade | Collar | New/Used | SF Burst | SF Collapse | SF Tension |
|-----------|----------------|--------|--------|----------|--------------|----------|----------|-------------|------------|
| 12.25 | 0' – 1230' | 9.625 | 40 | J-55 | BTC | New | 1.89 | 5.12 | 12.80 |
| 8.75 | 0' – 4000' | 7.625 | 29.7 | RY P-110 | Flush Joint | New | 3.00 | 2.92 | 2.14 |
| 8.75 | 4000' – 8793' | 7.625 | 29.7 | HC L-80 | Flush Joint | New | 2.18 | 2.72 | 2.85 |
| 6.75 | 0' – 8693' | 5.5 | 20 | RY P-110 | Semi-Premium | New | 1.05 | 2.34 | 2.22 |
| 6.75 | 8693' - 22469' | 5.5 | 20 | RY P-110 | Semi-Flush | New | 1.05 | 2.10 | 2.22 |

· 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:

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

4. Cement Program

Surface Casing: 9.625, 40 New BTC, J-55 casing to be set at +/- 1230'

Lead: 310 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 +/- 8793'

1st Stage

Optional Lead: 350 sxs Class C (mixed at 10.5 ppg, 2.77 ft3/sx, 15.59 gal/sx water)

TOC: Surface

Tail: 210 sxs Class C (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)

TOC: Brushy Canyon @ 6466

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: 730 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 (6466') 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 +/- 22469'

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft3/sx, 15.00 gal/sx water) Top of Cement: 8493 feet

Tail: 960 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft3/sx, 8.38 gal/sx water) Top of Cement: 8993 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 13-5/8" minimum 5M Hydril and a 13-5/8" minimum 10M Double Ram BOP. XTO will use a Multi-Bowl system which is attached.

All BOP testing will be done by an independent service company. Annular pressure tests will be 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' - 1230' | 12.25 | FW/Native | 8.7-9.2 | 35-40 | NC | Fresh Water or Native Water |
| 1230'-3920' | | Salt Saturated | 10.5-11 | | | Fully Saturated salt across salado / salt |
| 3920' - 8793' | 8.75 | BDE / OBM | 9-9.5 | 30-32 | NC | N/A |
| 8793' - 22469' | 6.75 | OBM | 11.5-12 | 50-60 | NC - 20 | N/A |

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

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

7. Auxiliary Well Control and Monitoring Equipment

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

8. Logging, Coring and Testing Program

Open hole logging will not be done on this well.

9. Abnormal Pressures and Temperatures / Potential Hazards

None Anticipated. BHT of 160 to 180 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 5281 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 22 DTD South 185H

Measured Depth: 22468.82 ft
TVD RKB: 9673.00 ft
Location
Cartographic Reference System: New Mexico East - NAD 27
Northing: 440180.20 ft
Easting: 644605.10 ft
RKB: 3445.00 ft
Ground Level: 3413.00 ft
North Reference: Grid
Convergence Angle: 0.25 Deg

Plan Sections Poker Lake Unit 22 DTD South 185H

| Measured | Depth (ft) | Inclination (Deg) | Azimuth (Deg) | TVD | | Y Offset (ft) | X Offset (ft) | Build Rate (Deg/100ft) | Turn Rate (Deg/100ft) | Dogleg | |
|----------|---------------|----------------------|------------------|-------------|--|------------------|------------------|------------------------------|-----------------------------|---------------------|--------|
| | | | | RKB (ft) | | | | | | Rate (Deg/100ft) | Target |
| | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1100.00 | 0.00 | 0.00 | 1100.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 1436.45 | 6.73 | 58.95 | 1435.68 | | 10.18 | 16.91 | 2.00 | 0.00 | 2.00 | 2.00 |
| | 6399.28 | 6.73 | 58.95 | 6364.32 | | 310.12 | 515.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 6735.73 | 0.00 | 0.00 | 6700.00 | | 320.30 | 532.00 | -2.00 | 0.00 | 2.00 | 2.00 |
| | 8992.53 | 0.00 | 0.00 | 8956.80 | | 320.30 | 532.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | 10117.53 | 90.00 | 179.64 | 9673.00 | | -395.88 | 536.45 | 8.00 | 0.00 | 8.00 | 8.00 |
| | 22378.74 | 90.00 | 179.64 | 9673.00 | | -12656.86 | 612.63 | 0.00 | 0.00 | 0.00 | LTP 14 |
| | 22439.32 | 90.00 | 182.32 | 9673.00 | | -12717.43 | 611.59 | -0.00 | 4.41 | 4.41 | 4.41 |
| | 22468.82 | 90.00 | 182.32 | 9673.00 | | -12746.90 | 610.40 | 0.00 | 0.00 | 0.00 | BHL 14 |

Position Uncertainty Poker Lake Unit 22 DTD South 185H

| Measured | TVD | | | Highside | | Lateral | | Vertical | | Magnitude | | Semi-major | | Semi-minor | | Semi-minor Tool | |
|----------|-------|-------------|---------|----------|--------|---------|--------|----------|-------|-----------|---------|------------|--------|------------|--------|-----------------|-------------|
| | Depth | Inclination | Azimuth | RKB | Error | Bias | Error | Bias | Error | Bias | of Bias | Error | Error | Error | Error | Azimuth | Used |
| | (ft) | (°) | (°) | (ft) | (ft) | (ft) | (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 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | MWD+IFR1+MS |
| 100.000 | 0.000 | 0.000 | 0.000 | 100.000 | 0.700 | 0.000 | 0.350 | 0.000 | 2.300 | 0.000 | 0.000 | 0.751 | 0.220 | 0.220 | 0.220 | 112.264 | MWD+IFR1+MS |
| 200.000 | 0.000 | 0.000 | 0.000 | 200.000 | 1.112 | 0.000 | 0.861 | 0.000 | 2.310 | 0.000 | 0.000 | 1.259 | 0.627 | 0.627 | 0.627 | 122.711 | MWD+IFR1+MS |
| 300.000 | 0.000 | 0.000 | 0.000 | 300.000 | 1.497 | 0.000 | 1.271 | 0.000 | 2.325 | 0.000 | 0.000 | 1.698 | 0.986 | 0.986 | 0.986 | 125.469 | MWD+IFR1+MS |
| 400.000 | 0.000 | 0.000 | 0.000 | 400.000 | 1.871 | 0.000 | 1.658 | 0.000 | 2.347 | 0.000 | 0.000 | 2.108 | 1.344 | 1.344 | 1.344 | 126.713 | MWD+IFR1+MS |
| 500.000 | 0.000 | 0.000 | 0.000 | 500.000 | 2.240 | 0.000 | 2.034 | 0.000 | 2.375 | 0.000 | 0.000 | 2.503 | 1.701 | 1.701 | 1.701 | 127.419 | MWD+IFR1+MS |
| 600.000 | 0.000 | 0.000 | 0.000 | 600.000 | 2.607 | 0.000 | 2.405 | 0.000 | 2.407 | 0.000 | 0.000 | 2.888 | 2.059 | 2.059 | 2.059 | 127.873 | MWD+IFR1+MS |
| 700.000 | 0.000 | 0.000 | 0.000 | 700.000 | 2.971 | 0.000 | 2.773 | 0.000 | 2.444 | 0.000 | 0.000 | 3.267 | 2.417 | 2.417 | 2.417 | 128.190 | MWD+IFR1+MS |
| 800.000 | 0.000 | 0.000 | 0.000 | 800.000 | 3.334 | 0.000 | 3.138 | 0.000 | 2.486 | 0.000 | 0.000 | 3.642 | 2.775 | 2.775 | 2.775 | 128.423 | MWD+IFR1+MS |
| 900.000 | 0.000 | 0.000 | 0.000 | 900.000 | 3.696 | 0.000 | 3.502 | 0.000 | 2.532 | 0.000 | 0.000 | 4.014 | 3.133 | 3.133 | 3.133 | 128.602 | MWD+IFR1+MS |
| 1000.000 | 0.000 | 0.000 | 0.000 | 1000.000 | 4.058 | 0.000 | 3.865 | 0.000 | 2.582 | 0.000 | 0.000 | 4.384 | 3.491 | 3.491 | 3.491 | 128.744 | MWD+IFR1+MS |
| 1100.000 | 0.000 | 0.000 | 0.000 | 1100.000 | 4.419 | 0.000 | 4.228 | 0.000 | 2.636 | 0.000 | 0.000 | 4.752 | 3.849 | 3.849 | 3.849 | 128.859 | MWD+IFR1+MS |
| 1200.000 | 2.000 | 0.000 | 58.949 | 1199.980 | 5.192 | 0.000 | 4.319 | 0.000 | 2.692 | 0.000 | 0.000 | 5.249 | 4.253 | 4.253 | 4.253 | 134.746 | MWD+IFR1+MS |
| 1300.000 | 4.000 | 0.000 | 58.949 | 1299.838 | 5.946 | 0.000 | 4.703 | 0.000 | 2.752 | 0.000 | 0.000 | 5.961 | 4.697 | 4.697 | 4.697 | -34.960 | MWD+IFR1+MS |
| 1400.000 | 6.000 | 0.000 | 58.949 | 1399.452 | 6.627 | 0.000 | 5.084 | 0.000 | 2.818 | 0.000 | 0.000 | 6.648 | 5.083 | 5.083 | 5.083 | -29.767 | MWD+IFR1+MS |
| 1436.449 | 6.729 | 0.000 | 58.949 | 1435.677 | 6.740 | 0.000 | 5.211 | 0.000 | 2.838 | 0.000 | 0.000 | 6.769 | 5.210 | 5.210 | 5.210 | -29.606 | MWD+IFR1+MS |
| 1500.000 | 6.729 | 0.000 | 58.949 | 1498.790 | 6.918 | 0.000 | 5.434 | 0.000 | 2.879 | 0.000 | 0.000 | 6.947 | 5.433 | 5.433 | 5.433 | -29.530 | MWD+IFR1+MS |
| 1600.000 | 6.729 | 0.000 | 58.949 | 1598.101 | 7.206 | 0.000 | 5.802 | 0.000 | 2.949 | 0.000 | 0.000 | 7.233 | 5.800 | 5.800 | 5.800 | -29.024 | MWD+IFR1+MS |
| 1700.000 | 6.729 | 0.000 | 58.949 | 1697.413 | 7.508 | 0.000 | 6.179 | 0.000 | 3.021 | 0.000 | 0.000 | 7.535 | 6.175 | 6.175 | 6.175 | -28.156 | MWD+IFR1+MS |
| 1800.000 | 6.729 | 0.000 | 58.949 | 1796.724 | 7.816 | 0.000 | 6.555 | 0.000 | 3.096 | 0.000 | 0.000 | 7.842 | 6.549 | 6.549 | 6.549 | -27.293 | MWD+IFR1+MS |
| 1900.000 | 6.729 | 0.000 | 58.949 | 1896.035 | 8.129 | 0.000 | 6.929 | 0.000 | 3.173 | 0.000 | 0.000 | 8.156 | 6.921 | 6.921 | 6.921 | -26.436 | MWD+IFR1+MS |
| 2000.000 | 6.729 | 0.000 | 58.949 | 1995.346 | 8.447 | 0.000 | 7.303 | 0.000 | 3.252 | 0.000 | 0.000 | 8.473 | 7.291 | 7.291 | 7.291 | -25.587 | MWD+IFR1+MS |
| 2100.000 | 6.729 | 0.000 | 58.949 | 2094.657 | 8.768 | 0.000 | 7.676 | 0.000 | 3.333 | 0.000 | 0.000 | 8.795 | 7.661 | 7.661 | 7.661 | -24.747 | MWD+IFR1+MS |
| 2200.000 | 6.729 | 0.000 | 58.949 | 2193.968 | 9.093 | 0.000 | 8.047 | 0.000 | 3.417 | 0.000 | 0.000 | 9.121 | 8.030 | 8.030 | 8.030 | -23.918 | MWD+IFR1+MS |
| 2300.000 | 6.729 | 0.000 | 58.949 | 2293.279 | 9.421 | 0.000 | 8.419 | 0.000 | 3.502 | 0.000 | 0.000 | 9.450 | 8.397 | 8.397 | 8.397 | -23.101 | MWD+IFR1+MS |
| 2400.000 | 6.729 | 0.000 | 58.949 | 2392.591 | 9.752 | 0.000 | 8.789 | 0.000 | 3.588 | 0.000 | 0.000 | 9.782 | 8.765 | 8.765 | 8.765 | -22.298 | MWD+IFR1+MS |
| 2500.000 | 6.729 | 0.000 | 58.949 | 2491.902 | 10.086 | 0.000 | 9.160 | 0.000 | 3.676 | 0.000 | 0.000 | 10.116 | 9.131 | 9.131 | 9.131 | -21.509 | MWD+IFR1+MS |
| 2600.000 | 6.729 | 0.000 | 58.949 | 2591.213 | 10.422 | 0.000 | 9.529 | 0.000 | 3.766 | 0.000 | 0.000 | 10.453 | 9.497 | 9.497 | 9.497 | -20.736 | MWD+IFR1+MS |
| 2700.000 | 6.729 | 0.000 | 58.949 | 2690.524 | 10.760 | 0.000 | 9.899 | 0.000 | 3.858 | 0.000 | 0.000 | 10.792 | 9.863 | 9.863 | 9.863 | -19.979 | MWD+IFR1+MS |
| 2800.000 | 6.729 | 0.000 | 58.949 | 2789.835 | 11.100 | 0.000 | 10.268 | 0.000 | 3.950 | 0.000 | 0.000 | 11.133 | 10.228 | 10.228 | 10.228 | -19.239 | MWD+IFR1+MS |

| | | | | | | | | | | | | | | |
|----------|-------|--------|----------|--------|-------|--------|-------|-------|-------|-------|--------|--------|---------|-------------|
| 2900.000 | 6.729 | 58.949 | 2889.146 | 11.441 | 0.000 | 10.637 | 0.000 | 4.045 | 0.000 | 0.000 | 11.476 | 10.593 | -18.518 | MWD+IFR1+MS |
| 3000.000 | 6.729 | 58.949 | 2988.457 | 11.785 | 0.000 | 11.005 | 0.000 | 4.140 | 0.000 | 0.000 | 11.820 | 10.958 | -17.814 | MWD+IFR1+MS |
| 3100.000 | 6.729 | 58.949 | 3087.769 | 12.129 | 0.000 | 11.373 | 0.000 | 4.237 | 0.000 | 0.000 | 12.166 | 11.323 | -17.129 | MWD+IFR1+MS |
| 3200.000 | 6.729 | 58.949 | 3187.080 | 12.475 | 0.000 | 11.741 | 0.000 | 4.336 | 0.000 | 0.000 | 12.513 | 11.687 | -16.464 | MWD+IFR1+MS |
| 3300.000 | 6.729 | 58.949 | 3286.391 | 12.823 | 0.000 | 12.109 | 0.000 | 4.435 | 0.000 | 0.000 | 12.862 | 12.051 | -15.817 | MWD+IFR1+MS |
| 3400.000 | 6.729 | 58.949 | 3385.702 | 13.171 | 0.000 | 12.477 | 0.000 | 4.537 | 0.000 | 0.000 | 13.211 | 12.415 | -15.189 | MWD+IFR1+MS |
| 3500.000 | 6.729 | 58.949 | 3485.013 | 13.520 | 0.000 | 12.844 | 0.000 | 4.639 | 0.000 | 0.000 | 13.562 | 12.779 | -14.580 | MWD+IFR1+MS |
| 3600.000 | 6.729 | 58.949 | 3584.324 | 13.871 | 0.000 | 13.211 | 0.000 | 4.743 | 0.000 | 0.000 | 13.913 | 13.143 | -13.991 | MWD+IFR1+MS |
| 3700.000 | 6.729 | 58.949 | 3683.636 | 14.222 | 0.000 | 13.578 | 0.000 | 4.849 | 0.000 | 0.000 | 14.265 | 13.507 | -13.420 | MWD+IFR1+MS |
| 3800.000 | 6.729 | 58.949 | 3782.947 | 14.574 | 0.000 | 13.945 | 0.000 | 4.955 | 0.000 | 0.000 | 14.618 | 13.871 | -12.868 | MWD+IFR1+MS |
| 3900.000 | 6.729 | 58.949 | 3882.258 | 14.927 | 0.000 | 14.312 | 0.000 | 5.064 | 0.000 | 0.000 | 14.971 | 14.235 | -12.334 | MWD+IFR1+MS |
| 4000.000 | 6.729 | 58.949 | 3981.569 | 15.281 | 0.000 | 14.679 | 0.000 | 5.173 | 0.000 | 0.000 | 15.326 | 14.598 | -11.818 | MWD+IFR1+MS |
| 4100.000 | 6.729 | 58.949 | 4080.880 | 15.635 | 0.000 | 15.046 | 0.000 | 5.284 | 0.000 | 0.000 | 15.681 | 14.962 | -11.319 | MWD+IFR1+MS |
| 4200.000 | 6.729 | 58.949 | 4180.191 | 15.990 | 0.000 | 15.412 | 0.000 | 5.397 | 0.000 | 0.000 | 16.036 | 15.326 | -10.839 | MWD+IFR1+MS |
| 4300.000 | 6.729 | 58.949 | 4279.502 | 16.345 | 0.000 | 15.779 | 0.000 | 5.511 | 0.000 | 0.000 | 16.392 | 15.689 | -10.374 | MWD+IFR1+MS |
| 4400.000 | 6.729 | 58.949 | 4378.814 | 16.701 | 0.000 | 16.145 | 0.000 | 5.627 | 0.000 | 0.000 | 16.748 | 16.053 | -9.927 | MWD+IFR1+MS |
| 4500.000 | 6.729 | 58.949 | 4478.125 | 17.058 | 0.000 | 16.511 | 0.000 | 5.744 | 0.000 | 0.000 | 17.105 | 16.417 | -9.495 | MWD+IFR1+MS |
| 4600.000 | 6.729 | 58.949 | 4577.436 | 17.415 | 0.000 | 16.877 | 0.000 | 5.863 | 0.000 | 0.000 | 17.462 | 16.780 | -9.079 | MWD+IFR1+MS |
| 4700.000 | 6.729 | 58.949 | 4676.747 | 17.772 | 0.000 | 17.244 | 0.000 | 5.984 | 0.000 | 0.000 | 17.820 | 17.144 | -8.679 | MWD+IFR1+MS |
| 4800.000 | 6.729 | 58.949 | 4776.058 | 18.130 | 0.000 | 17.610 | 0.000 | 6.106 | 0.000 | 0.000 | 18.177 | 17.508 | -8.293 | MWD+IFR1+MS |
| 4900.000 | 6.729 | 58.949 | 4875.369 | 18.488 | 0.000 | 17.976 | 0.000 | 6.230 | 0.000 | 0.000 | 18.536 | 17.871 | -7.921 | MWD+IFR1+MS |
| 5000.000 | 6.729 | 58.949 | 4974.680 | 18.847 | 0.000 | 18.342 | 0.000 | 6.356 | 0.000 | 0.000 | 18.894 | 18.235 | -7.563 | MWD+IFR1+MS |
| 5100.000 | 6.729 | 58.949 | 5073.992 | 19.206 | 0.000 | 18.707 | 0.000 | 6.484 | 0.000 | 0.000 | 19.253 | 18.599 | -7.219 | MWD+IFR1+MS |
| 5200.000 | 6.729 | 58.949 | 5173.303 | 19.565 | 0.000 | 19.073 | 0.000 | 6.613 | 0.000 | 0.000 | 19.612 | 18.963 | -6.888 | MWD+IFR1+MS |
| 5300.000 | 6.729 | 58.949 | 5272.614 | 19.925 | 0.000 | 19.439 | 0.000 | 6.744 | 0.000 | 0.000 | 19.971 | 19.327 | -6.569 | MWD+IFR1+MS |
| 5400.000 | 6.729 | 58.949 | 5371.925 | 20.285 | 0.000 | 19.805 | 0.000 | 6.877 | 0.000 | 0.000 | 20.331 | 19.691 | -6.263 | MWD+IFR1+MS |
| 5500.000 | 6.729 | 58.949 | 5471.236 | 20.645 | 0.000 | 20.170 | 0.000 | 7.012 | 0.000 | 0.000 | 20.691 | 20.055 | -5.968 | MWD+IFR1+MS |
| 5600.000 | 6.729 | 58.949 | 5570.547 | 21.005 | 0.000 | 20.536 | 0.000 | 7.149 | 0.000 | 0.000 | 21.051 | 20.419 | -5.685 | MWD+IFR1+MS |
| 5700.000 | 6.729 | 58.949 | 5669.858 | 21.366 | 0.000 | 20.902 | 0.000 | 7.288 | 0.000 | 0.000 | 21.411 | 20.783 | -5.414 | MWD+IFR1+MS |
| 5800.000 | 6.729 | 58.949 | 5769.170 | 21.727 | 0.000 | 21.267 | 0.000 | 7.429 | 0.000 | 0.000 | 21.771 | 21.147 | -5.152 | MWD+IFR1+MS |
| 5900.000 | 6.729 | 58.949 | 5868.481 | 22.088 | 0.000 | 21.633 | 0.000 | 7.572 | 0.000 | 0.000 | 22.131 | 21.511 | -4.902 | MWD+IFR1+MS |
| 6000.000 | 6.729 | 58.949 | 5967.792 | 22.450 | 0.000 | 21.998 | 0.000 | 7.717 | 0.000 | 0.000 | 22.492 | 21.875 | -4.661 | MWD+IFR1+MS |
| 6100.000 | 6.729 | 58.949 | 6067.103 | 22.811 | 0.000 | 22.364 | 0.000 | 7.864 | 0.000 | 0.000 | 22.853 | 22.239 | -4.430 | MWD+IFR1+MS |

Well Plan Report

3/13/24, 12:24 AM

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|----------|--------|---------|----------|--------|-------|--------|--------|--------|-------|-------|--------|--------|---------|-------------|
| 6200.000 | 6.729 | 58.949 | 6166.414 | 23.173 | 0.000 | 22.729 | 0.000 | 8.014 | 0.000 | 0.000 | 23.214 | 22.604 | -4.209 | MWD+IFR1+MS |
| 6300.000 | 6.729 | 58.949 | 6265.725 | 23.535 | 0.000 | 23.095 | 0.000 | 8.165 | 0.000 | 0.000 | 23.575 | 22.968 | -3.997 | MWD+IFR1+MS |
| 6399.282 | 6.729 | 58.949 | 6364.323 | 23.895 | 0.000 | 23.457 | 0.000 | 8.318 | 0.000 | 0.000 | 23.933 | 23.330 | -3.801 | MWD+IFR1+MS |
| 6500.000 | 4.715 | 58.949 | 6464.534 | 24.300 | 0.000 | 23.824 | 0.000 | 8.475 | 0.000 | 0.000 | 24.334 | 23.693 | -4.398 | MWD+IFR1+MS |
| 6600.000 | 2.715 | 58.949 | 6564.319 | 24.736 | 0.000 | 24.184 | 0.000 | 8.632 | 0.000 | 0.000 | 24.790 | 24.055 | -6.451 | MWD+IFR1+MS |
| 6700.000 | 0.715 | 58.949 | 6664.269 | 25.138 | 0.000 | 24.540 | 0.000 | 8.786 | 0.000 | 0.000 | 25.239 | 24.410 | -7.953 | MWD+IFR1+MS |
| 6735.732 | 0.000 | 0.000 | 6700.000 | 24.552 | 0.000 | 25.346 | 0.000 | 8.840 | 0.000 | 0.000 | 25.362 | 24.535 | -8.111 | MWD+IFR1+MS |
| 6800.000 | 0.000 | 0.000 | 6764.268 | 24.777 | 0.000 | 25.558 | 0.000 | 8.939 | 0.000 | 0.000 | 25.574 | 24.760 | -8.246 | MWD+IFR1+MS |
| 6900.000 | 0.000 | 0.000 | 6864.268 | 25.127 | 0.000 | 25.891 | 0.000 | 9.094 | 0.000 | 0.000 | 25.909 | 25.109 | -8.591 | MWD+IFR1+MS |
| 7000.000 | 0.000 | 0.000 | 6964.268 | 25.480 | 0.000 | 26.228 | 0.000 | 9.252 | 0.000 | 0.000 | 26.247 | 25.460 | -9.097 | MWD+IFR1+MS |
| 7100.000 | 0.000 | 0.000 | 7064.268 | 25.832 | 0.000 | 26.565 | 0.000 | 9.412 | 0.000 | 0.000 | 26.586 | 25.810 | -9.605 | MWD+IFR1+MS |
| 7200.000 | 0.000 | 0.000 | 7164.268 | 26.185 | 0.000 | 26.903 | 0.000 | 9.575 | 0.000 | 0.000 | 26.926 | 26.161 | -10.114 | MWD+IFR1+MS |
| 7300.000 | 0.000 | 0.000 | 7264.268 | 26.538 | 0.000 | 27.241 | 0.000 | 9.741 | 0.000 | 0.000 | 27.266 | 26.512 | -10.626 | MWD+IFR1+MS |
| 7400.000 | 0.000 | 0.000 | 7364.268 | 26.892 | 0.000 | 27.579 | 0.000 | 9.909 | 0.000 | 0.000 | 27.607 | 26.863 | -11.138 | MWD+IFR1+MS |
| 7500.000 | 0.000 | 0.000 | 7464.268 | 27.245 | 0.000 | 27.919 | 0.000 | 10.080 | 0.000 | 0.000 | 27.948 | 27.215 | -11.651 | MWD+IFR1+MS |
| 7600.000 | 0.000 | 0.000 | 7564.268 | 27.598 | 0.000 | 28.258 | 0.000 | 10.254 | 0.000 | 0.000 | 28.290 | 27.566 | -12.165 | MWD+IFR1+MS |
| 7700.000 | 0.000 | 0.000 | 7664.268 | 27.952 | 0.000 | 28.598 | 0.000 | 10.431 | 0.000 | 0.000 | 28.632 | 27.917 | -12.679 | MWD+IFR1+MS |
| 7800.000 | 0.000 | 0.000 | 7764.268 | 28.306 | 0.000 | 28.939 | 0.000 | 10.610 | 0.000 | 0.000 | 28.975 | 28.269 | -13.193 | MWD+IFR1+MS |
| 7900.000 | 0.000 | 0.000 | 7864.268 | 28.660 | 0.000 | 29.280 | 0.000 | 10.792 | 0.000 | 0.000 | 29.319 | 28.620 | -13.707 | MWD+IFR1+MS |
| 8000.000 | 0.000 | 0.000 | 7964.268 | 29.014 | 0.000 | 29.621 | 0.000 | 10.977 | 0.000 | 0.000 | 29.663 | 28.972 | -14.220 | MWD+IFR1+MS |
| 8100.000 | 0.000 | 0.000 | 8064.268 | 29.368 | 0.000 | 29.963 | 0.000 | 11.165 | 0.000 | 0.000 | 30.007 | 29.323 | -14.731 | MWD+IFR1+MS |
| 8200.000 | 0.000 | 0.000 | 8164.268 | 29.722 | 0.000 | 30.305 | 0.000 | 11.356 | 0.000 | 0.000 | 30.352 | 29.675 | -15.241 | MWD+IFR1+MS |
| 8300.000 | 0.000 | 0.000 | 8264.268 | 30.076 | 0.000 | 30.648 | 0.000 | 11.549 | 0.000 | 0.000 | 30.697 | 30.026 | -15.750 | MWD+IFR1+MS |
| 8400.000 | 0.000 | 0.000 | 8364.268 | 30.431 | 0.000 | 30.991 | 0.000 | 11.745 | 0.000 | 0.000 | 31.042 | 30.378 | -16.256 | MWD+IFR1+MS |
| 8500.000 | 0.000 | 0.000 | 8464.268 | 30.785 | 0.000 | 31.334 | 0.000 | 11.945 | 0.000 | 0.000 | 31.388 | 30.730 | -16.761 | MWD+IFR1+MS |
| 8600.000 | 0.000 | 0.000 | 8564.268 | 31.140 | 0.000 | 31.678 | 0.000 | 12.147 | 0.000 | 0.000 | 31.735 | 31.082 | -17.262 | MWD+IFR1+MS |
| 8700.000 | 0.000 | 0.000 | 8664.268 | 31.494 | 0.000 | 32.022 | 0.000 | 12.352 | 0.000 | 0.000 | 32.081 | 31.434 | -17.761 | MWD+IFR1+MS |
| 8800.000 | 0.000 | 0.000 | 8764.268 | 31.849 | 0.000 | 32.366 | 0.000 | 12.560 | 0.000 | 0.000 | 32.428 | 31.786 | -18.256 | MWD+IFR1+MS |
| 8900.000 | 0.000 | 0.000 | 8864.268 | 32.204 | 0.000 | 32.710 | 0.000 | 12.770 | 0.000 | 0.000 | 32.776 | 32.137 | -18.748 | MWD+IFR1+MS |
| 8992.532 | 0.000 | 0.000 | 8956.800 | 32.532 | 0.000 | 33.029 | 0.000 | 12.968 | 0.000 | 0.000 | 33.096 | 32.463 | -19.148 | MWD+IFR1+MS |
| 9000.000 | 0.597 | 179.644 | 8964.268 | 32.542 | 0.000 | 33.056 | -0.000 | 12.984 | 0.000 | 0.000 | 33.121 | 32.488 | -19.150 | MWD+IFR1+MS |
| 9100.000 | 8.597 | 179.644 | 9063.865 | 32.792 | 0.000 | 33.367 | -0.000 | 13.214 | 0.000 | 0.000 | 33.525 | 33.081 | -37.031 | MWD+IFR1+MS |
| 9200.000 | 16.597 | 179.644 | 9161.379 | 33.433 | 0.000 | 33.670 | -0.000 | 13.567 | 0.000 | 0.000 | 34.811 | 33.598 | 103.609 | MWD+IFR1+MS |

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|-----------|--------|---------|----------|--------|-------|--------|--------|--------|-------|-------|--------|--------|---------|-------------|
| 9300.000 | 24.597 | 179.644 | 9254.910 | 33.541 | 0.000 | 33.957 | -0.000 | 14.135 | 0.000 | 0.000 | 36.123 | 33.899 | 98.795 | MWD+IFR1+MS |
| 9400.000 | 32.597 | 179.644 | 9342.639 | 33.171 | 0.000 | 34.224 | -0.000 | 14.979 | 0.000 | 0.000 | 37.252 | 34.166 | 97.328 | MWD+IFR1+MS |
| 9500.000 | 40.597 | 179.644 | 9422.858 | 32.395 | 0.000 | 34.469 | -0.000 | 16.112 | 0.000 | 0.000 | 38.176 | 34.408 | 96.766 | MWD+IFR1+MS |
| 9600.000 | 48.597 | 179.644 | 9494.006 | 31.314 | 0.000 | 34.692 | -0.000 | 17.511 | 0.000 | 0.000 | 38.895 | 34.625 | 96.612 | MWD+IFR1+MS |
| 9700.000 | 56.597 | 179.644 | 9554.698 | 30.056 | 0.000 | 34.891 | -0.000 | 19.124 | 0.000 | 0.000 | 39.419 | 34.816 | 96.706 | MWD+IFR1+MS |
| 9800.000 | 64.597 | 179.644 | 9603.753 | 28.777 | 0.000 | 35.064 | -0.000 | 20.887 | 0.000 | 0.000 | 39.767 | 34.981 | 96.979 | MWD+IFR1+MS |
| 9900.000 | 72.597 | 179.644 | 9640.215 | 27.665 | 0.000 | 35.212 | -0.000 | 22.732 | 0.000 | 0.000 | 39.969 | 35.118 | 97.389 | MWD+IFR1+MS |
| 10000.000 | 80.597 | 179.644 | 9663.375 | 26.914 | 0.000 | 35.334 | -0.000 | 24.596 | 0.000 | 0.000 | 40.063 | 35.228 | 97.893 | MWD+IFR1+MS |
| 10100.000 | 88.597 | 179.644 | 9672.783 | 26.702 | 0.000 | 35.428 | -0.000 | 26.419 | 0.000 | 0.000 | 40.095 | 35.310 | 98.424 | MWD+IFR1+MS |
| 10117.530 | 90.000 | 179.644 | 9672.997 | 26.462 | 0.000 | 35.441 | -0.000 | 26.462 | 0.000 | 0.000 | 40.098 | 35.320 | 98.508 | MWD+IFR1+MS |
| 10200.000 | 90.000 | 179.644 | 9672.997 | 26.606 | 0.000 | 35.504 | -0.000 | 26.606 | 0.000 | 0.000 | 40.111 | 35.373 | 98.928 | MWD+IFR1+MS |
| 10300.000 | 90.000 | 179.644 | 9672.997 | 26.788 | 0.000 | 35.600 | -0.000 | 26.788 | 0.000 | 0.000 | 40.127 | 35.455 | 99.481 | MWD+IFR1+MS |
| 10400.000 | 90.000 | 179.644 | 9672.997 | 26.993 | 0.000 | 35.713 | -0.000 | 26.993 | 0.000 | 0.000 | 40.146 | 35.553 | 100.084 | MWD+IFR1+MS |
| 10500.000 | 90.000 | 179.644 | 9672.997 | 27.220 | 0.000 | 35.842 | -0.000 | 27.220 | 0.000 | 0.000 | 40.167 | 35.666 | 100.741 | MWD+IFR1+MS |
| 10600.000 | 90.000 | 179.644 | 9672.997 | 27.467 | 0.000 | 35.987 | -0.000 | 27.467 | 0.000 | 0.000 | 40.190 | 35.792 | 101.461 | MWD+IFR1+MS |
| 10700.000 | 90.000 | 179.644 | 9672.997 | 27.733 | 0.000 | 36.148 | -0.000 | 27.733 | 0.000 | 0.000 | 40.215 | 35.932 | 102.255 | MWD+IFR1+MS |
| 10800.000 | 90.000 | 179.644 | 9672.997 | 28.020 | 0.000 | 36.324 | -0.000 | 28.020 | 0.000 | 0.000 | 40.243 | 36.085 | 103.134 | MWD+IFR1+MS |
| 10900.000 | 90.000 | 179.644 | 9672.997 | 28.325 | 0.000 | 36.515 | -0.000 | 28.325 | 0.000 | 0.000 | 40.275 | 36.251 | 104.112 | MWD+IFR1+MS |
| 11000.000 | 90.000 | 179.644 | 9672.997 | 28.648 | 0.000 | 36.721 | -0.000 | 28.648 | 0.000 | 0.000 | 40.311 | 36.428 | 105.207 | MWD+IFR1+MS |
| 11100.000 | 90.000 | 179.644 | 9672.997 | 28.989 | 0.000 | 36.942 | -0.000 | 28.989 | 0.000 | 0.000 | 40.351 | 36.616 | 106.438 | MWD+IFR1+MS |
| 11200.000 | 90.000 | 179.644 | 9672.997 | 29.347 | 0.000 | 37.177 | -0.000 | 29.347 | 0.000 | 0.000 | 40.396 | 36.813 | 107.829 | MWD+IFR1+MS |
| 11300.000 | 90.000 | 179.644 | 9672.997 | 29.722 | 0.000 | 37.427 | -0.000 | 29.722 | 0.000 | 0.000 | 40.448 | 37.019 | 109.406 | MWD+IFR1+MS |
| 11400.000 | 90.000 | 179.644 | 9672.997 | 30.112 | 0.000 | 37.690 | -0.000 | 30.112 | 0.000 | 0.000 | 40.508 | 37.231 | 111.200 | MWD+IFR1+MS |
| 11500.000 | 90.000 | 179.644 | 9672.997 | 30.517 | 0.000 | 37.967 | -0.000 | 30.517 | 0.000 | 0.000 | 40.577 | 37.448 | 113.244 | MWD+IFR1+MS |
| 11600.000 | 90.000 | 179.644 | 9672.997 | 30.937 | 0.000 | 38.258 | -0.000 | 30.937 | 0.000 | 0.000 | 40.657 | 37.668 | 115.570 | MWD+IFR1+MS |
| 11700.000 | 90.000 | 179.644 | 9672.997 | 31.371 | 0.000 | 38.561 | -0.000 | 31.371 | 0.000 | 0.000 | 40.752 | 37.888 | 118.204 | MWD+IFR1+MS |
| 11800.000 | 90.000 | 179.644 | 9672.997 | 31.819 | 0.000 | 38.877 | -0.000 | 31.819 | 0.000 | 0.000 | 40.862 | 38.104 | 121.161 | MWD+IFR1+MS |
| 11900.000 | 90.000 | 179.644 | 9672.997 | 32.279 | 0.000 | 39.205 | -0.000 | 32.279 | 0.000 | 0.000 | 40.993 | 38.313 | 124.432 | MWD+IFR1+MS |
| 12000.000 | 90.000 | 179.644 | 9672.997 | 32.752 | 0.000 | 39.546 | -0.000 | 32.752 | 0.000 | 0.000 | 41.146 | 38.512 | 127.973 | MWD+IFR1+MS |
| 12100.000 | 90.000 | 179.644 | 9672.997 | 33.237 | 0.000 | 39.898 | -0.000 | 33.237 | 0.000 | 0.000 | 41.326 | 38.697 | 131.703 | MWD+IFR1+MS |
| 12200.000 | 90.000 | 179.644 | 9672.997 | 33.732 | 0.000 | 40.262 | -0.000 | 33.732 | 0.000 | 0.000 | 41.533 | 38.867 | -44.494 | MWD+IFR1+MS |
| 12300.000 | 90.000 | 179.644 | 9672.997 | 34.239 | 0.000 | 40.637 | -0.000 | 34.239 | 0.000 | 0.000 | 41.769 | 39.020 | -40.747 | MWD+IFR1+MS |
| 12400.000 | 90.000 | 179.644 | 9672.997 | 34.756 | 0.000 | 41.023 | -0.000 | 34.756 | 0.000 | 0.000 | 42.034 | 39.155 | -37.175 | MWD+IFR1+MS |

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|-----------|--------|---------|----------|--------|-------|--------|--------|--------|-------|--------|--------|---------|-------------|
| 12500.000 | 90.000 | 179.644 | 9672.997 | 35.283 | 0.000 | 41.419 | -0.000 | 35.283 | 0.000 | 42.326 | 39.274 | -33.866 | MWD+IFR1+MS |
| 12600.000 | 90.000 | 179.644 | 9672.997 | 35.819 | 0.000 | 41.826 | -0.000 | 35.819 | 0.000 | 42.643 | 39.378 | -30.868 | MWD+IFR1+MS |
| 12700.000 | 90.000 | 179.644 | 9672.997 | 36.364 | 0.000 | 42.243 | -0.000 | 36.364 | 0.000 | 42.984 | 39.470 | -28.194 | MWD+IFR1+MS |
| 12800.000 | 90.000 | 179.644 | 9672.997 | 36.918 | 0.000 | 42.669 | -0.000 | 36.918 | 0.000 | 43.346 | 39.551 | -25.834 | MWD+IFR1+MS |
| 12900.000 | 90.000 | 179.644 | 9672.997 | 37.481 | 0.000 | 43.105 | -0.000 | 37.481 | 0.000 | 43.726 | 39.623 | -23.761 | MWD+IFR1+MS |
| 13000.000 | 90.000 | 179.644 | 9672.997 | 38.051 | 0.000 | 43.549 | -0.000 | 38.051 | 0.000 | 44.124 | 39.688 | -21.944 | MWD+IFR1+MS |
| 13100.000 | 90.000 | 179.644 | 9672.997 | 38.628 | 0.000 | 44.003 | -0.000 | 38.628 | 0.000 | 44.536 | 39.747 | -20.349 | MWD+IFR1+MS |
| 13200.000 | 90.000 | 179.644 | 9672.997 | 39.213 | 0.000 | 44.465 | -0.000 | 39.213 | 0.000 | 44.963 | 39.801 | -18.947 | MWD+IFR1+MS |
| 13300.000 | 90.000 | 179.644 | 9672.997 | 39.805 | 0.000 | 44.936 | -0.000 | 39.805 | 0.000 | 45.402 | 39.851 | -17.710 | MWD+IFR1+MS |
| 13400.000 | 90.000 | 179.644 | 9672.997 | 40.403 | 0.000 | 45.414 | -0.000 | 40.403 | 0.000 | 45.853 | 39.898 | -16.614 | MWD+IFR1+MS |
| 13500.000 | 90.000 | 179.644 | 9672.997 | 41.008 | 0.000 | 45.901 | -0.000 | 41.008 | 0.000 | 46.315 | 39.943 | -15.638 | MWD+IFR1+MS |
| 13600.000 | 90.000 | 179.644 | 9672.997 | 41.618 | 0.000 | 46.394 | -0.000 | 41.618 | 0.000 | 46.787 | 39.985 | -14.766 | MWD+IFR1+MS |
| 13700.000 | 90.000 | 179.644 | 9672.997 | 42.235 | 0.000 | 46.895 | -0.000 | 42.235 | 0.000 | 47.268 | 40.026 | -13.984 | MWD+IFR1+MS |
| 13800.000 | 90.000 | 179.644 | 9672.997 | 42.856 | 0.000 | 47.404 | -0.000 | 42.856 | 0.000 | 47.759 | 40.065 | -13.278 | MWD+IFR1+MS |
| 13900.000 | 90.000 | 179.644 | 9672.997 | 43.484 | 0.000 | 47.919 | -0.000 | 43.484 | 0.000 | 48.258 | 40.104 | -12.640 | MWD+IFR1+MS |
| 14000.000 | 90.000 | 179.644 | 9672.997 | 44.116 | 0.000 | 48.440 | -0.000 | 44.116 | 0.000 | 48.765 | 40.141 | -12.059 | MWD+IFR1+MS |
| 14100.000 | 90.000 | 179.644 | 9672.997 | 44.753 | 0.000 | 48.968 | -0.000 | 44.753 | 0.000 | 49.280 | 40.178 | -11.530 | MWD+IFR1+MS |
| 14200.000 | 90.000 | 179.644 | 9672.997 | 45.394 | 0.000 | 49.503 | -0.000 | 45.394 | 0.000 | 49.802 | 40.214 | -11.046 | MWD+IFR1+MS |
| 14300.000 | 90.000 | 179.644 | 9672.997 | 46.040 | 0.000 | 50.043 | -0.000 | 46.040 | 0.000 | 50.331 | 40.250 | -10.601 | MWD+IFR1+MS |
| 14400.000 | 90.000 | 179.644 | 9672.997 | 46.691 | 0.000 | 50.589 | -0.000 | 46.691 | 0.000 | 50.866 | 40.285 | -10.191 | MWD+IFR1+MS |
| 14500.000 | 90.000 | 179.644 | 9672.997 | 47.345 | 0.000 | 51.141 | -0.000 | 47.345 | 0.000 | 51.408 | 40.320 | -9.812 | MWD+IFR1+MS |
| 14600.000 | 90.000 | 179.644 | 9672.997 | 48.003 | 0.000 | 51.698 | -0.000 | 48.003 | 0.000 | 51.957 | 40.355 | -9.461 | MWD+IFR1+MS |
| 14700.000 | 90.000 | 179.644 | 9672.997 | 48.665 | 0.000 | 52.260 | -0.000 | 48.665 | 0.000 | 52.511 | 40.390 | -9.136 | MWD+IFR1+MS |
| 14800.000 | 90.000 | 179.644 | 9672.997 | 49.331 | 0.000 | 52.828 | -0.000 | 49.331 | 0.000 | 53.070 | 40.425 | -8.832 | MWD+IFR1+MS |
| 14900.000 | 90.000 | 179.644 | 9672.997 | 50.000 | 0.000 | 53.400 | -0.000 | 50.000 | 0.000 | 53.636 | 40.460 | -8.549 | MWD+IFR1+MS |
| 15000.000 | 90.000 | 179.644 | 9672.997 | 50.673 | 0.000 | 53.978 | -0.000 | 50.673 | 0.000 | 54.206 | 40.496 | -8.284 | MWD+IFR1+MS |
| 15100.000 | 90.000 | 179.644 | 9672.997 | 51.348 | 0.000 | 54.560 | -0.000 | 51.348 | 0.000 | 54.781 | 40.531 | -8.036 | MWD+IFR1+MS |
| 15200.000 | 90.000 | 179.644 | 9672.997 | 52.027 | 0.000 | 55.146 | -0.000 | 52.027 | 0.000 | 55.362 | 40.566 | -7.803 | MWD+IFR1+MS |
| 15300.000 | 90.000 | 179.644 | 9672.997 | 52.709 | 0.000 | 55.737 | -0.000 | 52.709 | 0.000 | 55.947 | 40.602 | -7.583 | MWD+IFR1+MS |
| 15400.000 | 90.000 | 179.644 | 9672.997 | 53.393 | 0.000 | 56.332 | -0.000 | 53.393 | 0.000 | 56.536 | 40.638 | -7.377 | MWD+IFR1+MS |
| 15500.000 | 90.000 | 179.644 | 9672.997 | 54.080 | 0.000 | 56.931 | -0.000 | 54.080 | 0.000 | 57.130 | 40.674 | -7.181 | MWD+IFR1+MS |
| 15600.000 | 90.000 | 179.644 | 9672.997 | 54.770 | 0.000 | 57.534 | -0.000 | 54.770 | 0.000 | 57.728 | 40.710 | -6.997 | MWD+IFR1+MS |
| 15700.000 | 90.000 | 179.644 | 9672.997 | 55.462 | 0.000 | 58.141 | -0.000 | 55.462 | 0.000 | 58.330 | 40.747 | -6.822 | MWD+IFR1+MS |

| | | | | | | | | | | | | | | |
|-----------|--------|---------|----------|--------|-------|--------|--------|--------|-------|-------|--------|--------|--------|-------------|
| 15800.000 | 90.000 | 179.644 | 9672.997 | 56.157 | 0.000 | 58.751 | -0.000 | 56.157 | 0.000 | 0.000 | 58.936 | 40.783 | -6.656 | MWD+IFR1+MS |
| 15900.000 | 90.000 | 179.644 | 9672.997 | 56.854 | 0.000 | 59.365 | -0.000 | 56.854 | 0.000 | 0.000 | 59.546 | 40.821 | -6.499 | MWD+IFR1+MS |
| 16000.000 | 90.000 | 179.644 | 9672.997 | 57.554 | 0.000 | 59.983 | -0.000 | 57.554 | 0.000 | 0.000 | 60.160 | 40.858 | -6.349 | MWD+IFR1+MS |
| 16100.000 | 90.000 | 179.644 | 9672.997 | 58.255 | 0.000 | 60.604 | -0.000 | 58.255 | 0.000 | 0.000 | 60.777 | 40.896 | -6.207 | MWD+IFR1+MS |
| 16200.000 | 90.000 | 179.644 | 9672.997 | 58.959 | 0.000 | 61.228 | -0.000 | 58.959 | 0.000 | 0.000 | 61.398 | 40.934 | -6.071 | MWD+IFR1+MS |
| 16300.000 | 90.000 | 179.644 | 9672.997 | 59.664 | 0.000 | 61.856 | -0.000 | 59.664 | 0.000 | 0.000 | 62.021 | 40.973 | -5.941 | MWD+IFR1+MS |
| 16400.000 | 90.000 | 179.644 | 9672.997 | 60.372 | 0.000 | 62.486 | -0.000 | 60.372 | 0.000 | 0.000 | 62.649 | 41.012 | -5.818 | MWD+IFR1+MS |
| 16500.000 | 90.000 | 179.644 | 9672.997 | 61.082 | 0.000 | 63.120 | -0.000 | 61.082 | 0.000 | 0.000 | 63.279 | 41.051 | -5.699 | MWD+IFR1+MS |
| 16600.000 | 90.000 | 179.644 | 9672.997 | 61.793 | 0.000 | 63.756 | -0.000 | 61.793 | 0.000 | 0.000 | 63.912 | 41.090 | -5.586 | MWD+IFR1+MS |
| 16700.000 | 90.000 | 179.644 | 9672.997 | 62.506 | 0.000 | 64.395 | -0.000 | 62.506 | 0.000 | 0.000 | 64.548 | 41.130 | -5.477 | MWD+IFR1+MS |
| 16800.000 | 90.000 | 179.644 | 9672.997 | 63.221 | 0.000 | 65.037 | -0.000 | 63.221 | 0.000 | 0.000 | 65.187 | 41.171 | -5.373 | MWD+IFR1+MS |
| 16900.000 | 90.000 | 179.644 | 9672.997 | 63.937 | 0.000 | 65.682 | -0.000 | 63.937 | 0.000 | 0.000 | 65.829 | 41.212 | -5.274 | MWD+IFR1+MS |
| 17000.000 | 90.000 | 179.644 | 9672.997 | 64.655 | 0.000 | 66.329 | -0.000 | 64.655 | 0.000 | 0.000 | 66.474 | 41.253 | -5.178 | MWD+IFR1+MS |
| 17100.000 | 90.000 | 179.644 | 9672.997 | 65.375 | 0.000 | 66.979 | -0.000 | 65.375 | 0.000 | 0.000 | 67.121 | 41.295 | -5.085 | MWD+IFR1+MS |
| 17200.000 | 90.000 | 179.644 | 9672.997 | 66.096 | 0.000 | 67.631 | -0.000 | 66.096 | 0.000 | 0.000 | 67.770 | 41.337 | -4.997 | MWD+IFR1+MS |
| 17300.000 | 90.000 | 179.644 | 9672.997 | 66.818 | 0.000 | 68.285 | -0.000 | 66.818 | 0.000 | 0.000 | 68.422 | 41.379 | -4.911 | MWD+IFR1+MS |
| 17400.000 | 90.000 | 179.644 | 9672.997 | 67.542 | 0.000 | 68.942 | -0.000 | 67.542 | 0.000 | 0.000 | 69.077 | 41.422 | -4.829 | MWD+IFR1+MS |
| 17500.000 | 90.000 | 179.644 | 9672.997 | 68.267 | 0.000 | 69.601 | -0.000 | 68.267 | 0.000 | 0.000 | 69.733 | 41.465 | -4.750 | MWD+IFR1+MS |
| 17600.000 | 90.000 | 179.644 | 9672.997 | 68.994 | 0.000 | 70.262 | -0.000 | 68.994 | 0.000 | 0.000 | 70.392 | 41.509 | -4.673 | MWD+IFR1+MS |
| 17700.000 | 90.000 | 179.644 | 9672.997 | 69.721 | 0.000 | 70.925 | -0.000 | 69.721 | 0.000 | 0.000 | 71.053 | 41.553 | -4.599 | MWD+IFR1+MS |
| 17800.000 | 90.000 | 179.644 | 9672.997 | 70.450 | 0.000 | 71.591 | -0.000 | 70.450 | 0.000 | 0.000 | 71.717 | 41.597 | -4.528 | MWD+IFR1+MS |
| 17900.000 | 90.000 | 179.644 | 9672.997 | 71.181 | 0.000 | 72.258 | -0.000 | 71.181 | 0.000 | 0.000 | 72.382 | 41.642 | -4.459 | MWD+IFR1+MS |
| 18000.000 | 90.000 | 179.644 | 9672.997 | 71.912 | 0.000 | 72.927 | -0.000 | 71.912 | 0.000 | 0.000 | 73.049 | 41.687 | -4.392 | MWD+IFR1+MS |
| 18100.000 | 90.000 | 179.644 | 9672.997 | 72.644 | 0.000 | 73.598 | -0.000 | 72.644 | 0.000 | 0.000 | 73.718 | 41.733 | -4.328 | MWD+IFR1+MS |
| 18200.000 | 90.000 | 179.644 | 9672.997 | 73.378 | 0.000 | 74.271 | -0.000 | 73.378 | 0.000 | 0.000 | 74.390 | 41.779 | -4.265 | MWD+IFR1+MS |
| 18300.000 | 90.000 | 179.644 | 9672.997 | 74.113 | 0.000 | 74.946 | -0.000 | 74.113 | 0.000 | 0.000 | 75.062 | 41.826 | -4.205 | MWD+IFR1+MS |
| 18400.000 | 90.000 | 179.644 | 9672.997 | 74.848 | 0.000 | 75.622 | -0.000 | 74.848 | 0.000 | 0.000 | 75.737 | 41.873 | -4.146 | MWD+IFR1+MS |
| 18500.000 | 90.000 | 179.644 | 9672.997 | 75.585 | 0.000 | 76.300 | -0.000 | 75.585 | 0.000 | 0.000 | 76.414 | 41.920 | -4.089 | MWD+IFR1+MS |
| 18600.000 | 90.000 | 179.644 | 9672.997 | 76.322 | 0.000 | 76.980 | -0.000 | 76.322 | 0.000 | 0.000 | 77.092 | 41.968 | -4.034 | MWD+IFR1+MS |
| 18700.000 | 90.000 | 179.644 | 9672.997 | 77.061 | 0.000 | 77.661 | -0.000 | 77.061 | 0.000 | 0.000 | 77.771 | 42.016 | -3.980 | MWD+IFR1+MS |
| 18800.000 | 90.000 | 179.644 | 9672.997 | 77.800 | 0.000 | 78.344 | -0.000 | 77.800 | 0.000 | 0.000 | 78.453 | 42.065 | -3.928 | MWD+IFR1+MS |
| 18900.000 | 90.000 | 179.644 | 9672.997 | 78.540 | 0.000 | 79.029 | -0.000 | 78.540 | 0.000 | 0.000 | 79.136 | 42.114 | -3.878 | MWD+IFR1+MS |
| 19000.000 | 90.000 | 179.644 | 9672.997 | 79.282 | 0.000 | 79.715 | -0.000 | 79.282 | 0.000 | 0.000 | 79.820 | 42.164 | -3.829 | MWD+IFR1+MS |

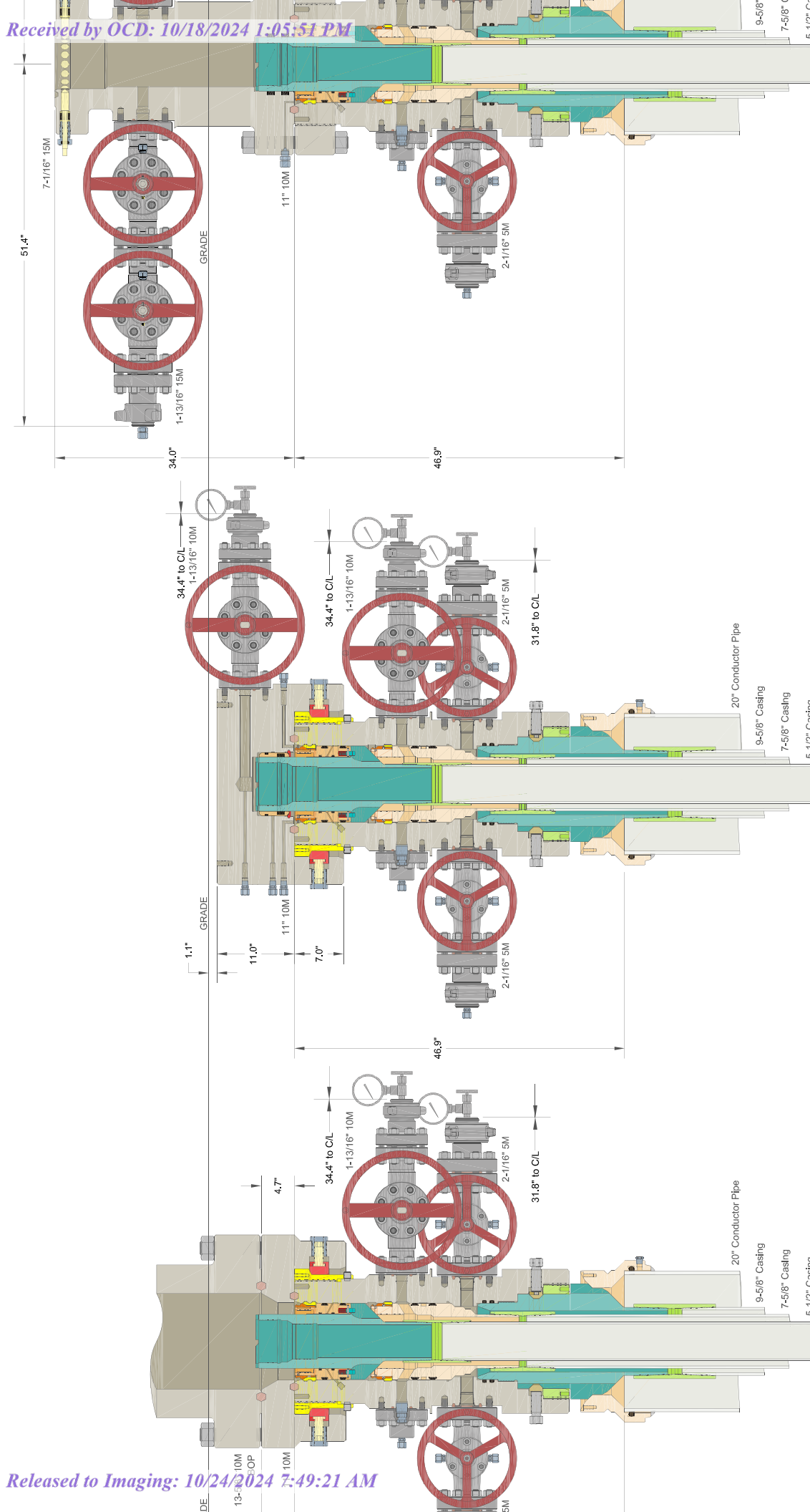
| | | | | | | | | | | | | | |
|-----------|--------|---------|----------|---------|-------|---------|--------|---------|-------|---------|--------|--------|-------------|
| 19100.000 | 90.000 | 179.644 | 9672.997 | 80.024 | 0.000 | 80.402 | -0.000 | 80.024 | 0.000 | 80.506 | 42.214 | -3.781 | MWD+IFR1+MS |
| 19200.000 | 90.000 | 179.644 | 9672.997 | 80.766 | 0.000 | 81.091 | -0.000 | 80.766 | 0.000 | 81.194 | 42.264 | -3.735 | MWD+IFR1+MS |
| 19300.000 | 90.000 | 179.644 | 9672.997 | 81.510 | 0.000 | 81.781 | -0.000 | 81.510 | 0.000 | 81.882 | 42.315 | -3.690 | MWD+IFR1+MS |
| 19400.000 | 90.000 | 179.644 | 9672.997 | 82.254 | 0.000 | 82.472 | -0.000 | 82.254 | 0.000 | 82.572 | 42.366 | -3.646 | MWD+IFR1+MS |
| 19500.000 | 90.000 | 179.644 | 9672.997 | 82.999 | 0.000 | 83.165 | -0.000 | 82.999 | 0.000 | 83.264 | 42.418 | -3.603 | MWD+IFR1+MS |
| 19600.000 | 90.000 | 179.644 | 9672.997 | 83.745 | 0.000 | 83.859 | -0.000 | 83.745 | 0.000 | 83.957 | 42.470 | -3.561 | MWD+IFR1+MS |
| 19700.000 | 90.000 | 179.644 | 9672.997 | 84.492 | 0.000 | 84.554 | -0.000 | 84.492 | 0.000 | 84.651 | 42.523 | -3.521 | MWD+IFR1+MS |
| 19800.000 | 90.000 | 179.644 | 9672.997 | 85.239 | 0.000 | 85.251 | -0.000 | 85.239 | 0.000 | 85.346 | 42.575 | -3.481 | MWD+IFR1+MS |
| 19900.000 | 90.000 | 179.644 | 9672.997 | 85.987 | 0.000 | 85.948 | -0.000 | 85.987 | 0.000 | 86.042 | 42.629 | -3.442 | MWD+IFR1+MS |
| 20000.000 | 90.000 | 179.644 | 9672.997 | 86.735 | 0.000 | 86.647 | -0.000 | 86.735 | 0.000 | 86.740 | 42.683 | -3.405 | MWD+IFR1+MS |
| 20100.000 | 90.000 | 179.644 | 9672.997 | 87.484 | 0.000 | 87.347 | -0.000 | 87.484 | 0.000 | 87.439 | 42.737 | -3.368 | MWD+IFR1+MS |
| 20200.000 | 90.000 | 179.644 | 9672.997 | 88.234 | 0.000 | 88.048 | -0.000 | 88.234 | 0.000 | 88.139 | 42.791 | -3.332 | MWD+IFR1+MS |
| 20300.000 | 90.000 | 179.644 | 9672.997 | 88.984 | 0.000 | 88.750 | -0.000 | 88.984 | 0.000 | 88.840 | 42.846 | -3.297 | MWD+IFR1+MS |
| 20400.000 | 90.000 | 179.644 | 9672.997 | 89.735 | 0.000 | 89.453 | -0.000 | 89.735 | 0.000 | 89.542 | 42.902 | -3.263 | MWD+IFR1+MS |
| 20500.000 | 90.000 | 179.644 | 9672.997 | 90.487 | 0.000 | 90.157 | -0.000 | 90.487 | 0.000 | 90.245 | 42.958 | -3.230 | MWD+IFR1+MS |
| 20600.000 | 90.000 | 179.644 | 9672.997 | 91.239 | 0.000 | 90.862 | -0.000 | 91.239 | 0.000 | 90.949 | 43.014 | -3.197 | MWD+IFR1+MS |
| 20700.000 | 90.000 | 179.644 | 9672.997 | 91.992 | 0.000 | 91.568 | -0.000 | 91.992 | 0.000 | 91.654 | 43.071 | -3.165 | MWD+IFR1+MS |
| 20800.000 | 90.000 | 179.644 | 9672.997 | 92.745 | 0.000 | 92.275 | -0.000 | 92.745 | 0.000 | 92.360 | 43.128 | -3.134 | MWD+IFR1+MS |
| 20900.000 | 90.000 | 179.644 | 9672.997 | 93.498 | 0.000 | 92.983 | -0.000 | 93.498 | 0.000 | 93.067 | 43.185 | -3.104 | MWD+IFR1+MS |
| 21000.000 | 90.000 | 179.644 | 9672.997 | 94.253 | 0.000 | 93.692 | -0.000 | 94.253 | 0.000 | 93.775 | 43.243 | -3.074 | MWD+IFR1+MS |
| 21100.000 | 90.000 | 179.644 | 9672.997 | 95.007 | 0.000 | 94.402 | -0.000 | 95.007 | 0.000 | 94.484 | 43.301 | -3.045 | MWD+IFR1+MS |
| 21200.000 | 90.000 | 179.644 | 9672.997 | 95.762 | 0.000 | 95.112 | -0.000 | 95.762 | 0.000 | 95.194 | 43.360 | -3.016 | MWD+IFR1+MS |
| 21300.000 | 90.000 | 179.644 | 9672.997 | 96.518 | 0.000 | 95.824 | -0.000 | 96.518 | 0.000 | 95.904 | 43.419 | -2.988 | MWD+IFR1+MS |
| 21400.000 | 90.000 | 179.644 | 9672.997 | 97.274 | 0.000 | 96.536 | -0.000 | 97.274 | 0.000 | 96.616 | 43.479 | -2.961 | MWD+IFR1+MS |
| 21500.000 | 90.000 | 179.644 | 9672.997 | 98.031 | 0.000 | 97.249 | -0.000 | 98.031 | 0.000 | 97.328 | 43.539 | -2.934 | MWD+IFR1+MS |
| 21600.000 | 90.000 | 179.644 | 9672.997 | 98.788 | 0.000 | 97.963 | -0.000 | 98.788 | 0.000 | 98.041 | 43.599 | -2.908 | MWD+IFR1+MS |
| 21700.000 | 90.000 | 179.644 | 9672.997 | 99.545 | 0.000 | 98.678 | -0.000 | 99.545 | 0.000 | 98.755 | 43.660 | -2.882 | MWD+IFR1+MS |
| 21800.000 | 90.000 | 179.644 | 9672.997 | 100.303 | 0.000 | 99.393 | -0.000 | 100.303 | 0.000 | 99.470 | 43.721 | -2.857 | MWD+IFR1+MS |
| 21900.000 | 90.000 | 179.644 | 9672.997 | 101.061 | 0.000 | 100.109 | -0.000 | 101.061 | 0.000 | 100.185 | 43.782 | -2.832 | MWD+IFR1+MS |
| 22000.000 | 90.000 | 179.644 | 9672.997 | 101.820 | 0.000 | 100.826 | -0.000 | 101.820 | 0.000 | 100.901 | 43.844 | -2.808 | MWD+IFR1+MS |
| 22100.000 | 90.000 | 179.644 | 9672.997 | 102.579 | 0.000 | 101.544 | -0.000 | 102.579 | 0.000 | 101.618 | 43.907 | -2.784 | MWD+IFR1+MS |
| 22200.000 | 90.000 | 179.644 | 9672.997 | 103.339 | 0.000 | 102.262 | -0.000 | 103.339 | 0.000 | 102.336 | 43.969 | -2.761 | MWD+IFR1+MS |
| 22300.000 | 90.000 | 179.644 | 9672.997 | 104.098 | 0.000 | 102.981 | -0.000 | 104.098 | 0.000 | 103.054 | 44.032 | -2.738 | MWD+IFR1+MS |

Well Plan Report

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|-------------------|--------|---------|----------|---------|--------|---------|--------|---------|-------|-------|---------|--------|--------|-------------|
| 3/13/24, 12:24 AM | 90.000 | 179.644 | 9672.997 | 104.696 | 0.000 | 103.547 | -0.000 | 104.696 | 0.000 | 0.000 | 103.619 | 44.082 | -2.721 | MWD+IFR1+MS |
| 22378.740 | 89.999 | 180.582 | 9672.997 | 104.858 | -0.000 | 103.631 | 0.000 | 104.858 | 0.000 | 0.000 | 103.771 | 44.096 | -2.716 | MWD+IFR1+MS |
| 22400.000 | 89.997 | 182.318 | 9672.999 | 105.156 | -0.000 | 103.726 | 0.000 | 105.156 | 0.000 | 0.000 | 104.053 | 44.121 | -2.702 | MWD+IFR1+MS |
| 22439.322 | 89.997 | 182.318 | 9673.000 | 105.380 | -0.000 | 103.937 | 0.000 | 105.380 | 0.000 | 0.000 | 104.263 | 44.140 | -2.690 | MWD+IFR1+MS |
| 22468.819 | | | | | | | | | | | | | | |

Poker Lake Unit 22 DTD South 185H

| Plan Targets | | | | | | | | | | | | | |
|--------------|--|--|--|--|--|--|--|--|--|--|---------------|--------------|----------------------|
| Target Name | | | | | | | | | | | Grid Northing | Grid Easting | TVD MSL Target Shape |
| FTP 14 | | | | | | | | | | | (ft) | (ft) | (ft) |
| SHL 8 | | | | | | | | | | | 440500.50 | 645137.10 | 6228.00 RECTANGLE |
| LTP 14 | | | | | | | | | | | 440181.61 | 644590.96 | 6096.91 RECTANGLE |
| BHL 14 | | | | | | | | | | | 427523.30 | 645217.70 | 6228.00 RECTANGLE |
| | | | | | | | | | | | 427433.30 | 645215.50 | 6228.00 RECTANGLE |





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



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.

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10,000 PSI Annular BOP Variance Request

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

1. Component and Preventer Compatibility Tables

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

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

2. Well Control Procedures

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

General Procedure While Drilling

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

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

General Procedure While Tripping

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

General Procedure While Running Production Casing

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

General Procedure With No Pipe In Hole (Open Hole)

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

General Procedures While Pulling BHA Through Stack

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

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

**BLACK GOLD®**

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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:

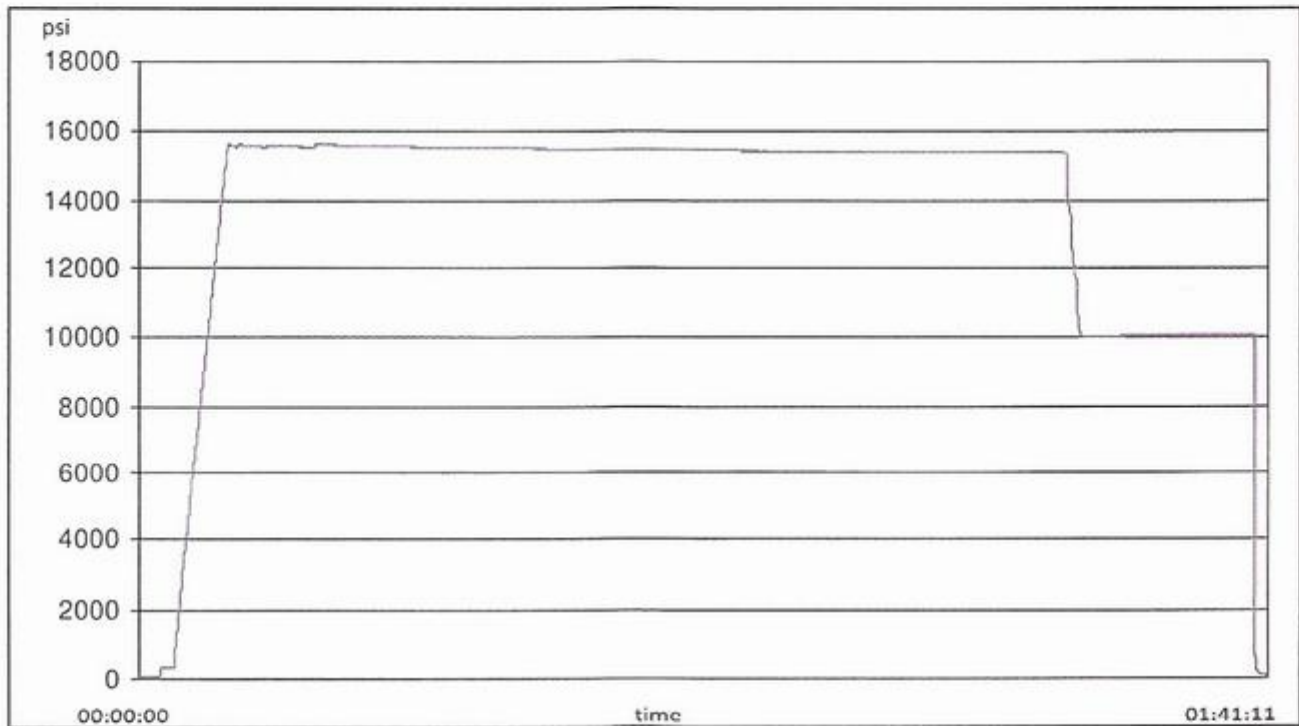
Visual check:

Pressure test result: PASS

Length measurement result:

Length: 45 feet

Test operator: Travis





H3-15/16

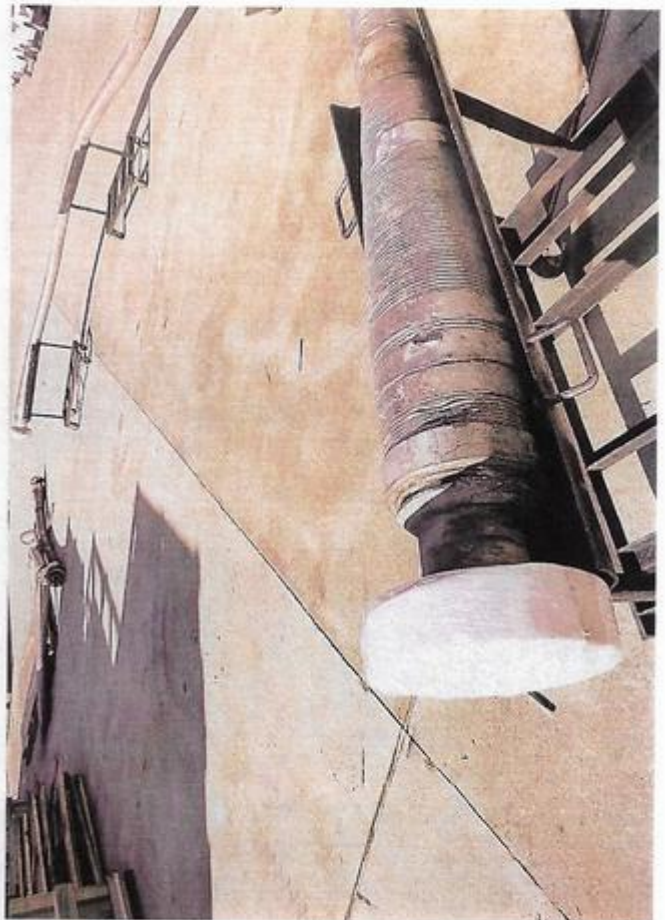
1/25/2024 11:48:06 AM

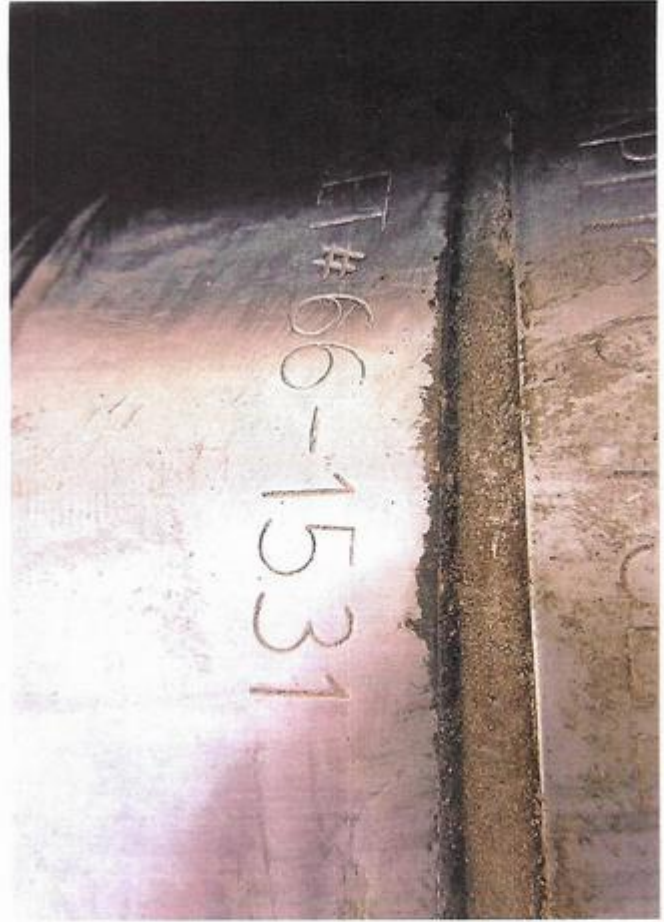
TEST REPORT

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
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District II
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Phone:(575) 748-1283 Fax:(575) 748-9720
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 393855

CONDITIONS

| | |
|--|--|
| Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707 | OGRID: 373075 |
| | Action Number: 393855 |
| | 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. | 10/24/2024 |