U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report

09/24/2024

Well Name: POKER LAKE UNIT 22 DTD

Well Location: T24S / R30E / SEC 22 / NWNE / 32.209422 / -103.867866

County or Parish/State: EDDY / NM

Well Number: 176H

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMNM068905

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001549882

Operator: XTO PERMIAN OPERATING LLC

Notice of Intent

Sundry ID: 2786000

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 04/19/2024

Time Sundry Submitted: 01:46

Date proposed operation will begin: 05/03/2024

Procedure Description: POKER LAKE UNIT 22 DTD 176H 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 & 2344' FEL OF SECTION 22-T24S-R30E LTP: 328' FNL & 1750' FEL OF SECTION 3-T24S-R30E 2537' FNL & 2343' FEL OF SECTION 34-T24S-R30E BHL: 198' FNL & 1750' FEL OF SECTION 3-T24S-R30E 2627' FNL & 2343' FEL OF SECTION 34-T24S-R30E The proposed total depth is changing from 27108’ MD; 11230’ TVD (Jennings/WOLFCAMP (Gas)) to 23220’ MD; 10449’ TVD (Bone Spring 3 Shale). See attached Drilling Plan for updated cement and casing program. A saturated salt brine will be utilized while drilling through the salt formations. Attachments: C-102, Drilling Plan, Directional Plan, MBS

NOI Attachments

Procedure Description

PLU_22_DTD_176H_Sundry_Documents_20240805142154.pdf

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Unit or CA Name:

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US Well Number: 3001549882

Operator: XTO PERMIAN OPERATING LLC

Conditions of Approval

Additional

Poker_Lake_Unit_22_DTD_176H_COA_20240917152024.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 05, 2024 02:22 PM

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: 09/23/2024

Signature: Chris Walls

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No. NMLC068905

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

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

8. Well Name and No. POKER LAKE UNIT 22 DTD/176H

2. Name of Operator XTO PERMIAN OPERATING LLC

9. API Well No. 3001549882

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

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

10. Field and Pool or Exploratory Area Jennings/BONE SPRING

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* SEC 22/T24S/R30E/NMP

11. Country or Parish, State EDDY/NM

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

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

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

POKER LAKE UNIT 22 DTD 176H

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 & 2344' FEL OF SECTION 22-T24S-R30E
LTP: 328' FNL & 1750' FEL OF SECTION 3-T24S-R30E 2537' FNL & 2343' FEL OF SECTION 34-T24S-R30E
BHL: 198' FNL & 1750' FEL OF SECTION 3-T24S-R30E 2627' FNL & 2343' 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 08/05/2024

THE SPACE FOR FEDERAL OR STATE OFICE USE

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

Title Petroleum Engineer

Date 09/23/2024

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

Office CARLSBAD

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

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

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

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

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

Additional Information

Additional Remarks

The proposed total depth is changing from 27108 MD; 11230 TVD (Jennings/WOLFCAMP (Gas)) to 23220 MD; 10449 TVD (Bone Spring 3 Shale).

See attached Drilling Plan for updated cement and casing program.

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

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

Location of Well

0. SHL: NWNE / 414 FNL / 2346 FEL / TWSP: 24S / RANGE: 30E / SECTION: 22 / LAT: 32.209422 / LONG: -103.867866 (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: 11230 feet, MD: 14216 feet)
PPP: SWSE / 100 FSL / 1750 FEL / TWSP: 24S / RANGE: 30E / SECTION: 15 / LAT: 32.210847 / LONG: -103.865935 (TVD: 11230 feet, MD: 11576 feet)
PPP: NWNE / 300 FNL / 313 FWL / TWSP: 24S / RANGE: 30E / SECTION: 10 / LAT: 32.253158 / LONG: -103.876545 (TVD: 11230 feet, MD: 16856 feet)
BHL: LOT 2 / 198 FNL / 1750 FEL / TWSP: 24S / RANGE: 30E / SECTION: 3 / LAT: 32.2531865 / LONG: -103.865909 (TVD: 11230 feet, MD: 27108 feet)

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO
LEASE NO.:	**NMLC068905**
LOCATION:	Sec. 22, T.24 S, R 30 E
COUNTY:	Eddy County, New Mexico
WELL NAME & NO.:	Poker Lake Unit 22 DTD 176H
SURFACE HOLE FOOTAGE:	414'/N & 2346'/E
BOTTOM HOLE FOOTAGE:	2627'/N & 2343'/E

*Changes approved through engineering via **Sundry 2786000** on _9-17-2024__. Any previous COAs not addressed within the updated COAs still apply.*

COA

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

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 **1232** 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 6468'**

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; (575) 361-2822

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

A. CASING

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

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

B. PRESSURE CONTROL

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

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

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

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

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

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

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

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

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

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

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

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

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

Approved by Zota Stevens on 9/17/2024
575-234-5998 / zstevens@blm.gov

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☑ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-015- 49882	97798	WILDCAT G-06 S243026M; BONE SPRING

[4] Property Code	[5] Property Name	[6] Well Number
333192	POKER LAKE UNIT 22 DTD	176H

[7] OGRID No.	[8] Operator Name	[9] Elevation
373075	XTO PERMIAN OPERATING, LLC	3,415'

[10] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	22	24S	30E		414	NORTH	2,346	EAST	EDDY

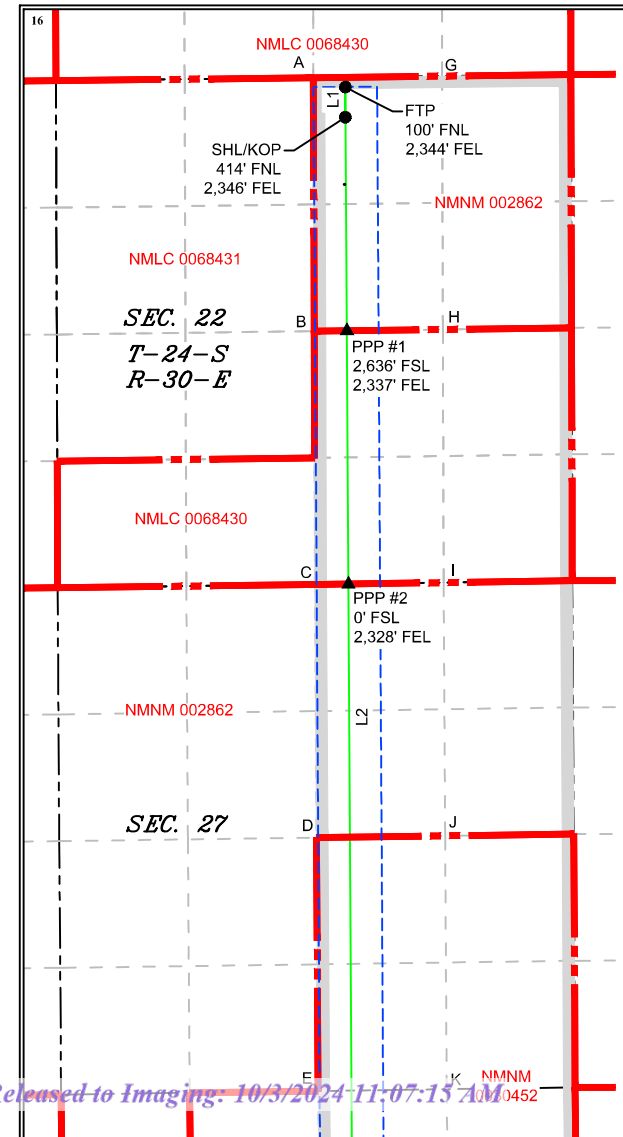
[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	34	24S	30E		2,627	NORTH	2,343	EAST	EDDY

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

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

[16]



LEGEND

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

LINE TABLE		
LINE	AZIMUTH	LENGTH
L1	000°13'39"	313.83'
L2	179°39'14"	13,069.47'

COORDINATE TABLE					
SHL/KOP (NAD 83 NME)			SHL/KOP (NAD 27 NME)		
Y =	440,233.5	N	Y =	440,174.5	N
X =	685,298.6	E	X =	644,114.9	E
LAT. =	32.209422	°N	LAT. =	32.209298	°N
LONG. =	103.867866	°W	LONG. =	103.867379	°W
FTP (NAD 83 NME)			FTP (NAD 27 NME)		
Y =	440,547.3	N	Y =	440,488.3	N
X =	685,299.8	E	X =	644,116.1	E
LAT. =	32.210285	°N	LAT. =	32.210161	°N
LONG. =	103.867858	°W	LONG. =	103.867371	°W
PPP (NAD 83 NME)			PPP (NAD 27 NME)		
Y =	438,010.6	N	Y =	437,951.6	N
X =	685,315.1	E	X =	644,131.3	E
LAT. =	32.203311	°N	LAT. =	32.203187	°N
LONG. =	103.867844	°W	LONG. =	103.867357	°W
PPP #2 (NAD 83 NME)			PPP #2 (NAD 27 NME)		
Y =	435,374.7	N	Y =	435,315.8	N
X =	685,331.0	E	X =	644,147.1	E
LAT. =	32.196066	°N	LAT. =	32.195942	°N
LONG. =	103.867829	°W	LONG. =	103.867343	°W
LTP (NAD 83 NME)			LTP (NAD 27 NME)		
Y =	427,568.1	N	Y =	427,509.4	N
X =	685,377.9	E	X =	644,193.8	E
LAT. =	32.174606	°N	LAT. =	32.174482	°N
LONG. =	103.867787	°W	LONG. =	103.867302	°W
BHL (NAD 83 NME)			BHL (NAD 27 NME)		
Y =	427,478.1	N	Y =	427,419.4	N
X =	685,378.8	E	X =	644,194.6	E
LAT. =	32.174359	°N	LAT. =	32.174234	°N
LONG. =	103.867785	°W	LONG. =	103.867300	°W
CORNER COORDINATES (NAD 83 NME)					

[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 [X] As Drilled [ ]

API #
30-015-

Operator Name:	Property Name:	Well Number
XTO PERMIAN OPERATING, LLC	POKER LAKE UNIT 22 DTD	176H

Kick Off Point (KOP)

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

Latitude	Longitude	NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
B	22	24S	30E		100	North	2,344	East	Eddy

Latitude	Longitude	NAD
32.210285	-103.867858	83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
G	34	24S	30E		2,537	North	2,343	East	Eddy

Latitude	Longitude	NAD
32.174606	-103.867787	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 176H
Projected TD: 23220' MD / 10449' TVD
SHL: 414' FNL & 2346' FEL , Section 22, T24S, R30E
BHL: 2627' FNL & 2343' 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	1132'	Water
Top of Salt	1535'	Water
Base of Salt	3728'	Water
Delaware	3922'	Water
Brushy Canyon	6468'	Water/Oil/Gas
Bone Spring	7792'	Water
Avalon	8485'	Water/Oil/Gas
1st Bone Spring	8501'	Water/Oil/Gas
2nd Bone Spring	9086'	Water/Oil/Gas
3rd Bone Spring	9912'	Water/Oil/Gas
Target/Land Curve	10449'	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 @ 1232' (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 9542' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 23220 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 9242 feet).

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0' – 1232'	9.625	40	J-55	BTC	New	1.74	5.11	12.78
8.75	0' – 4000'	7.625	29.7	RY P-110	Flush Joint	New	2.92	2.92	1.97
8.75	4000' – 9542'	7.625	29.7	HC L-80	Flush Joint	New	2.12	2.51	2.47
6.75	0' – 9442'	5.5	20	RY P-110	Semi-Premium	New	1.05	2.22	2.11
6.75	9442' - 23220'	5.5	20	RY P-110	Semi-Flush	New	1.05	2.00	2.11

· 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 +/- 1232'

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 +/- 9542'
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: 280 sxs Class C (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)
TOC: Brushy Canyon @ 6468
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 (6468') 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 +/- 23220'

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft3/sx, 15.00 gal/sx water) Top of Cement: 9242 feet
Tail: 960 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft3/sx, 8.38 gal/sx water) Top of Cement: 9742 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 nippling up on the 9.625, 10M bradenhead and flange, the BOP test will be limited to 10000 psi. When nippling up on the 7.625, the BOP will be tested to a minimum of 10000 psi. All BOP tests will include a low pressure test as per BLM regulations. The 10M BOP diagrams are attached. Blind rams will be functioned tested each trip, pipe rams will be functioned tested each week.

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

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

hole on each of the wells.

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' - 1232'	12.25	FW/Native	8.7-9.2	35-40	NC	Fresh Water or Native Water
1232'-3922'		Salt Saturated	10.5-11			Fully Saturated salt across salado / /salt
3922' - 9542'	8.75	BDE / OBM	9-9.5	30-32	NC	N/A
9542' - 23220'	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 170 to 190 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 5542 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 176H

Measured Depth:	23219.70 ft
TVD RKB:	10449.00 ft
Location	
Cartographic Reference System:	New Mexico East - NAD 27
Northing:	440174.50 ft
Easting:	644114.90 ft
RKB:	3447.00 ft
Ground Level:	3415.00 ft
North Reference:	Grid
Convergence Angle:	0.25 Deg

Plan Sections Poker Lake Unit 22 DTD South 176H

Measured Depth (ft)	Inclination (Deg)	Azimuth (Deg)	TVD RKB (ft)	Y Offset (ft)	X Offset (ft)	Build Rate (Deg/100ft)	Turn Rate (Deg/100ft)	Dogleg Rate (Deg/100ft)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	0.00	
1265.23	3.30	0.22	1265.14	4.76	0.02	2.00	0.00	2.00	
6543.73	3.30	0.22	6534.86	309.04	1.18	0.00	0.00	0.00	
6708.96	0.00	0.00	6700.00	313.80	1.20	-2.00	0.00	2.00	
9741.76	0.00	0.00	9732.80	313.80	1.20	0.00	0.00	0.00	
10866.76	90.00	179.66	10449.00	-402.38	5.49	8.00	0.00	8.00	
23129.70	90.00	179.66	10449.00	-12665.10	78.90	0.00	0.00	0.00	LTP 12
23219.70	90.00	179.66	10449.00	-12755.10	79.44	0.00	0.00	0.00	BHL 12

Position Uncertainty Poker Lake Unit 22 DTD South 176H

Measured Depth	Inclination	Azimuth	TVD RKB	Highside Error	Highside Bias	Lateral Error	Lateral Bias	Vertical Error	Vertical Bias	Magnitude of Bias	Semi-major Error	Semi-minor Error	Semi-minor Azimuth	Tool Used

(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	MWD+IFR1+MS
100.000	0.000	0.000	100.000	0.700	0.000	0.350	0.000	2.300	0.000	0.000	0.751	0.220	112.264	MWD+IFR1+MS
200.000	0.000	0.000	200.000	1.112	0.000	0.861	0.000	2.310	0.000	0.000	1.259	0.627	122.711	MWD+IFR1+MS
300.000	0.000	0.000	300.000	1.497	0.000	1.271	0.000	2.325	0.000	0.000	1.698	0.986	125.469	MWD+IFR1+MS
400.000	0.000	0.000	400.000	1.871	0.000	1.658	0.000	2.347	0.000	0.000	2.108	1.344	126.713	MWD+IFR1+MS
500.000	0.000	0.000	500.000	2.240	0.000	2.034	0.000	2.375	0.000	0.000	2.503	1.701	127.419	MWD+IFR1+MS
600.000	0.000	0.000	600.000	2.607	0.000	2.405	0.000	2.407	0.000	0.000	2.888	2.059	127.873	MWD+IFR1+MS
700.000	0.000	0.000	700.000	2.971	0.000	2.773	0.000	2.444	0.000	0.000	3.267	2.417	128.190	MWD+IFR1+MS
800.000	0.000	0.000	800.000	3.334	0.000	3.138	0.000	2.486	0.000	0.000	3.642	2.775	128.423	MWD+IFR1+MS
900.000	0.000	0.000	900.000	3.696	0.000	3.502	0.000	2.532	0.000	0.000	4.014	3.133	128.602	MWD+IFR1+MS
1000.000	0.000	0.000	1000.000	4.058	0.000	3.865	0.000	2.582	0.000	0.000	4.384	3.491	128.744	MWD+IFR1+MS
1100.000	0.000	0.000	1100.000	4.419	0.000	4.228	0.000	2.636	0.000	0.000	4.752	3.849	128.859	MWD+IFR1+MS
1200.000	2.000	0.219	1199.980	4.964	0.000	4.585	0.000	2.692	0.000	0.000	5.278	4.223	124.577	MWD+IFR1+MS
1265.230	3.305	0.219	1265.139	5.314	0.000	4.807	0.000	2.730	0.000	0.000	5.605	4.473	121.630	MWD+IFR1+MS
1300.000	3.305	0.219	1299.851	5.429	0.000	4.920	0.000	2.750	0.000	0.000	5.714	4.595	121.403	MWD+IFR1+MS
1400.000	3.305	0.219	1399.684	5.754	0.000	5.263	0.000	2.813	0.000	0.000	6.032	4.949	121.471	MWD+IFR1+MS
1500.000	3.305	0.219	1499.518	6.098	0.000	5.625	0.000	2.879	0.000	0.000	6.384	5.306	121.944	MWD+IFR1+MS
1600.000	3.305	0.219	1599.352	6.445	0.000	5.986	0.000	2.947	0.000	0.000	6.736	5.663	122.361	MWD+IFR1+MS
1700.000	3.305	0.219	1699.185	6.793	0.000	6.348	0.000	3.017	0.000	0.000	7.090	6.020	122.732	MWD+IFR1+MS
1800.000	3.305	0.219	1799.019	7.142	0.000	6.709	0.000	3.090	0.000	0.000	7.444	6.377	123.064	MWD+IFR1+MS
1900.000	3.305	0.219	1898.853	7.493	0.000	7.069	0.000	3.165	0.000	0.000	7.799	6.735	123.360	MWD+IFR1+MS
2000.000	3.305	0.219	1998.687	7.844	0.000	7.430	0.000	3.241	0.000	0.000	8.154	7.092	123.626	MWD+IFR1+MS
2100.000	3.305	0.219	2098.520	8.196	0.000	7.790	0.000	3.319	0.000	0.000	8.510	7.449	123.866	MWD+IFR1+MS
2200.000	3.305	0.219	2198.354	8.549	0.000	8.151	0.000	3.399	0.000	0.000	8.866	7.807	124.083	MWD+IFR1+MS
2300.000	3.305	0.219	2298.188	8.903	0.000	8.511	0.000	3.481	0.000	0.000	9.222	8.165	124.280	MWD+IFR1+MS
2400.000	3.305	0.219	2398.021	9.257	0.000	8.871	0.000	3.564	0.000	0.000	9.579	8.523	124.458	MWD+IFR1+MS
2500.000	3.305	0.219	2497.855	9.612	0.000	9.230	0.000	3.648	0.000	0.000	9.936	8.881	124.620	MWD+IFR1+MS
2600.000	3.305	0.219	2597.689	9.967	0.000	9.590	0.000	3.734	0.000	0.000	10.293	9.239	124.768	MWD+IFR1+MS
2700.000	3.305	0.219	2697.523	10.322	0.000	9.950	0.000	3.821	0.000	0.000	10.650	9.597	124.902	MWD+IFR1+MS
2800.000	3.305	0.219	2797.356	10.678	0.000	10.310	0.000	3.910	0.000	0.000	11.008	9.955	125.025	MWD+IFR1+MS
2900.000	3.305	0.219	2897.190	11.034	0.000	10.669	0.000	4.000	0.000	0.000	11.365	10.313	125.137	MWD+IFR1+MS
3000.000	3.305	0.219	2997.024	11.390	0.000	11.029	0.000	4.091	0.000	0.000	11.723	10.671	125.240	MWD+IFR1+MS
3100.000	3.305	0.219	3096.858	11.747	0.000	11.388	0.000	4.183	0.000	0.000	12.081	11.029	125.333	MWD+IFR1+MS

3200.000	3.305	0.219	3196.691	12.104	0.000	11.747	0.000	4.277	0.000	0.000	12.439	11.388	125.419	MWD+IFR1+MS
3300.000	3.305	0.219	3296.525	12.461	0.000	12.107	0.000	4.372	0.000	0.000	12.797	11.746	125.498	MWD+IFR1+MS
3400.000	3.305	0.219	3396.359	12.818	0.000	12.466	0.000	4.469	0.000	0.000	13.155	12.104	125.569	MWD+IFR1+MS
3500.000	3.305	0.219	3496.192	13.176	0.000	12.825	0.000	4.567	0.000	0.000	13.514	12.463	125.635	MWD+IFR1+MS
3600.000	3.305	0.219	3596.026	13.534	0.000	13.185	0.000	4.666	0.000	0.000	13.872	12.821	125.695	MWD+IFR1+MS
3700.000	3.305	0.219	3695.860	13.892	0.000	13.544	0.000	4.766	0.000	0.000	14.231	13.180	125.749	MWD+IFR1+MS
3800.000	3.305	0.219	3795.694	14.250	0.000	13.903	0.000	4.868	0.000	0.000	14.589	13.538	125.799	MWD+IFR1+MS
3900.000	3.305	0.219	3895.527	14.608	0.000	14.262	0.000	4.972	0.000	0.000	14.948	13.897	125.844	MWD+IFR1+MS
4000.000	3.305	0.219	3995.361	14.966	0.000	14.621	0.000	5.077	0.000	0.000	15.306	14.256	125.885	MWD+IFR1+MS
4100.000	3.305	0.219	4095.195	15.324	0.000	14.980	0.000	5.183	0.000	0.000	15.665	14.614	125.922	MWD+IFR1+MS
4200.000	3.305	0.219	4195.028	15.683	0.000	15.339	0.000	5.291	0.000	0.000	16.024	14.973	125.956	MWD+IFR1+MS
4300.000	3.305	0.219	4294.862	16.042	0.000	15.699	0.000	5.400	0.000	0.000	16.383	15.331	125.986	MWD+IFR1+MS
4400.000	3.305	0.219	4394.696	16.400	0.000	16.058	0.000	5.511	0.000	0.000	16.742	15.690	126.013	MWD+IFR1+MS
4500.000	3.305	0.219	4494.530	16.759	0.000	16.417	0.000	5.624	0.000	0.000	17.100	16.049	126.037	MWD+IFR1+MS
4600.000	3.305	0.219	4594.363	17.118	0.000	16.776	0.000	5.738	0.000	0.000	17.459	16.408	126.058	MWD+IFR1+MS
4700.000	3.305	0.219	4694.197	17.477	0.000	17.135	0.000	5.854	0.000	0.000	17.818	16.766	126.077	MWD+IFR1+MS
4800.000	3.305	0.219	4794.031	17.836	0.000	17.494	0.000	5.972	0.000	0.000	18.177	17.125	126.093	MWD+IFR1+MS
4900.000	3.305	0.219	4893.864	18.195	0.000	17.853	0.000	6.092	0.000	0.000	18.536	17.484	126.106	MWD+IFR1+MS
5000.000	3.305	0.219	4993.698	18.554	0.000	18.211	0.000	6.213	0.000	0.000	18.895	17.843	126.118	MWD+IFR1+MS
5100.000	3.305	0.219	5093.532	18.914	0.000	18.570	0.000	6.336	0.000	0.000	19.255	18.201	126.127	MWD+IFR1+MS
5200.000	3.305	0.219	5193.366	19.273	0.000	18.929	0.000	6.461	0.000	0.000	19.614	18.560	126.135	MWD+IFR1+MS
5300.000	3.305	0.219	5293.199	19.632	0.000	19.288	0.000	6.588	0.000	0.000	19.973	18.919	126.141	MWD+IFR1+MS
5400.000	3.305	0.219	5393.033	19.992	0.000	19.647	0.000	6.717	0.000	0.000	20.332	19.278	126.145	MWD+IFR1+MS
5500.000	3.305	0.219	5492.867	20.351	0.000	20.006	0.000	6.848	0.000	0.000	20.691	19.637	126.147	MWD+IFR1+MS
5600.000	3.305	0.219	5592.701	20.711	0.000	20.365	0.000	6.981	0.000	0.000	21.050	19.996	126.148	MWD+IFR1+MS
5700.000	3.305	0.219	5692.534	21.070	0.000	20.724	0.000	7.116	0.000	0.000	21.410	20.354	126.147	MWD+IFR1+MS
5800.000	3.305	0.219	5792.368	21.430	0.000	21.083	0.000	7.253	0.000	0.000	21.769	20.713	126.145	MWD+IFR1+MS
5900.000	3.305	0.219	5892.202	21.789	0.000	21.442	0.000	7.392	0.000	0.000	22.128	21.072	126.141	MWD+IFR1+MS
6000.000	3.305	0.219	5992.035	22.149	0.000	21.800	0.000	7.534	0.000	0.000	22.487	21.431	126.136	MWD+IFR1+MS
6100.000	3.305	0.219	6091.869	22.509	0.000	22.159	0.000	7.677	0.000	0.000	22.847	21.790	126.130	MWD+IFR1+MS
6200.000	3.305	0.219	6191.703	22.868	0.000	22.518	0.000	7.823	0.000	0.000	23.206	22.149	126.123	MWD+IFR1+MS
6300.000	3.305	0.219	6291.537	23.228	0.000	22.877	0.000	7.971	0.000	0.000	23.566	22.508	126.115	MWD+IFR1+MS
6400.000	3.305	0.219	6391.370	23.588	0.000	23.236	0.000	8.121	0.000	0.000	23.925	22.867	126.105	MWD+IFR1+MS
6500.000	3.305	0.219	6491.204	23.948	0.000	23.595	0.000	8.274	0.000	0.000	24.284	23.226	126.095	MWD+IFR1+MS

6543.730	3.305	0.219	6534.861	24.103	0.000	23.749	0.000	8.342	0.000	0.000	24.437	23.383	126.046	MWD+IFR1+MS
6600.000	2.179	0.219	6591.066	24.305	0.000	23.947	0.000	8.429	0.000	0.000	24.635	23.584	125.910	MWD+IFR1+MS
6708.960	0.000	0.000	6700.000	24.749	0.000	24.339	0.000	8.600	0.000	0.000	25.091	23.985	124.116	MWD+IFR1+MS
6800.000	0.000	0.000	6791.040	25.105	0.000	24.663	0.000	8.743	0.000	0.000	25.445	24.311	123.541	MWD+IFR1+MS
6900.000	0.000	0.000	6891.040	25.458	0.000	25.020	0.000	8.903	0.000	0.000	25.799	24.668	123.590	MWD+IFR1+MS
7000.000	0.000	0.000	6991.040	25.813	0.000	25.377	0.000	9.065	0.000	0.000	26.155	25.024	123.649	MWD+IFR1+MS
7100.000	0.000	0.000	7091.040	26.167	0.000	25.734	0.000	9.230	0.000	0.000	26.510	25.381	123.708	MWD+IFR1+MS
7200.000	0.000	0.000	7191.040	26.522	0.000	26.091	0.000	9.398	0.000	0.000	26.865	25.738	123.764	MWD+IFR1+MS
7300.000	0.000	0.000	7291.040	26.877	0.000	26.449	0.000	9.568	0.000	0.000	27.221	26.094	123.820	MWD+IFR1+MS
7400.000	0.000	0.000	7391.040	27.232	0.000	26.806	0.000	9.741	0.000	0.000	27.577	26.451	123.873	MWD+IFR1+MS
7500.000	0.000	0.000	7491.040	27.587	0.000	27.163	0.000	9.916	0.000	0.000	27.932	26.808	123.926	MWD+IFR1+MS
7600.000	0.000	0.000	7591.040	27.942	0.000	27.521	0.000	10.094	0.000	0.000	28.288	27.165	123.977	MWD+IFR1+MS
7700.000	0.000	0.000	7691.040	28.297	0.000	27.878	0.000	10.275	0.000	0.000	28.644	27.522	124.028	MWD+IFR1+MS
7800.000	0.000	0.000	7791.040	28.653	0.000	28.235	0.000	10.458	0.000	0.000	29.000	27.879	124.077	MWD+IFR1+MS
7900.000	0.000	0.000	7891.040	29.008	0.000	28.593	0.000	10.644	0.000	0.000	29.356	28.235	124.124	MWD+IFR1+MS
8000.000	0.000	0.000	7991.040	29.363	0.000	28.950	0.000	10.833	0.000	0.000	29.712	28.592	124.171	MWD+IFR1+MS
8100.000	0.000	0.000	8091.040	29.719	0.000	29.308	0.000	11.024	0.000	0.000	30.068	28.949	124.217	MWD+IFR1+MS
8200.000	0.000	0.000	8191.040	30.074	0.000	29.665	0.000	11.219	0.000	0.000	30.424	29.307	124.262	MWD+IFR1+MS
8300.000	0.000	0.000	8291.040	30.430	0.000	30.023	0.000	11.416	0.000	0.000	30.780	29.664	124.305	MWD+IFR1+MS
8400.000	0.000	0.000	8391.040	30.786	0.000	30.380	0.000	11.616	0.000	0.000	31.137	30.021	124.348	MWD+IFR1+MS
8500.000	0.000	0.000	8491.040	31.142	0.000	30.738	0.000	11.819	0.000	0.000	31.493	30.378	124.390	MWD+IFR1+MS
8600.000	0.000	0.000	8591.040	31.497	0.000	31.096	0.000	12.024	0.000	0.000	31.849	30.735	124.431	MWD+IFR1+MS
8700.000	0.000	0.000	8691.040	31.853	0.000	31.453	0.000	12.233	0.000	0.000	32.206	31.092	124.471	MWD+IFR1+MS
8800.000	0.000	0.000	8791.040	32.209	0.000	31.811	0.000	12.444	0.000	0.000	32.562	31.450	124.510	MWD+IFR1+MS
8900.000	0.000	0.000	8891.040	32.565	0.000	32.169	0.000	12.658	0.000	0.000	32.919	31.807	124.549	MWD+IFR1+MS
9000.000	0.000	0.000	8991.040	32.921	0.000	32.526	0.000	12.875	0.000	0.000	33.275	32.164	124.586	MWD+IFR1+MS
9100.000	0.000	0.000	9091.040	33.277	0.000	32.884	0.000	13.095	0.000	0.000	33.632	32.521	124.623	MWD+IFR1+MS
9200.000	0.000	0.000	9191.040	33.634	0.000	33.242	0.000	13.317	0.000	0.000	33.988	32.879	124.659	MWD+IFR1+MS
9300.000	0.000	0.000	9291.040	33.990	0.000	33.599	0.000	13.543	0.000	0.000	34.345	33.236	124.695	MWD+IFR1+MS
9400.000	0.000	0.000	9391.040	34.346	0.000	33.957	0.000	13.772	0.000	0.000	34.702	33.593	124.729	MWD+IFR1+MS
9500.000	0.000	0.000	9491.040	34.702	0.000	34.315	0.000	14.003	0.000	0.000	35.059	33.951	124.763	MWD+IFR1+MS
9600.000	0.000	0.000	9591.040	35.059	0.000	34.673	0.000	14.238	0.000	0.000	35.415	34.308	124.797	MWD+IFR1+MS
9700.000	0.000	0.000	9691.040	35.415	0.000	35.031	0.000	14.475	0.000	0.000	35.772	34.666	124.830	MWD+IFR1+MS
9741.760	0.000	0.000	9732.800	35.562	0.000	35.178	0.000	14.575	0.000	0.000	35.918	34.815	124.813	MWD+IFR1+MS

9800.000	4.659	179.657	9790.975	35.602	0.000	35.378	-0.000	14.714	0.000	0.000	36.130	35.021	124.031	MWD+IFR1+MS
9900.000	12.659	179.657	9889.755	35.906	0.000	35.687	-0.000	14.997	0.000	0.000	37.029	35.453	112.071	MWD+IFR1+MS
10000.000	20.659	179.657	9985.480	36.089	0.000	35.982	-0.000	15.445	0.000	0.000	38.294	35.813	104.537	MWD+IFR1+MS
10100.000	28.659	179.657	10076.287	35.739	0.000	36.257	-0.000	16.114	0.000	0.000	39.432	36.109	101.584	MWD+IFR1+MS
10200.000	36.659	179.657	10160.408	34.924	0.000	36.511	-0.000	17.042	0.000	0.000	40.396	36.370	100.185	MWD+IFR1+MS
10300.000	44.659	179.657	10236.206	33.736	0.000	36.741	-0.000	18.229	0.000	0.000	41.171	36.600	99.493	MWD+IFR1+MS
10400.000	52.659	179.657	10302.207	32.300	0.000	36.947	-0.000	19.646	0.000	0.000	41.756	36.802	99.192	MWD+IFR1+MS
10500.000	60.659	179.657	10357.124	30.773	0.000	37.126	-0.000	21.242	0.000	0.000	42.166	36.976	99.136	MWD+IFR1+MS
10600.000	68.659	179.657	10399.889	29.346	0.000	37.279	-0.000	22.956	0.000	0.000	42.421	37.122	99.237	MWD+IFR1+MS
10700.000	76.659	179.657	10429.670	28.236	0.000	37.404	-0.000	24.727	0.000	0.000	42.553	37.241	99.426	MWD+IFR1+MS
10800.000	84.659	179.657	10445.888	27.655	0.000	37.502	-0.000	26.495	0.000	0.000	42.602	37.333	99.627	MWD+IFR1+MS
10866.760	90.000	179.657	10448.997	27.081	0.000	37.548	-0.000	27.081	0.000	0.000	42.610	37.378	99.711	MWD+IFR1+MS
10900.000	90.000	179.657	10448.997	27.147	0.000	37.568	-0.000	27.147	0.000	0.000	42.612	37.397	99.743	MWD+IFR1+MS
11000.000	90.000	179.657	10448.997	27.300	0.000	37.641	-0.000	27.300	0.000	0.000	42.618	37.469	99.869	MWD+IFR1+MS
11100.000	90.000	179.657	10448.997	27.479	0.000	37.733	-0.000	27.479	0.000	0.000	42.626	37.558	100.031	MWD+IFR1+MS
11200.000	90.000	179.657	10448.997	27.678	0.000	37.840	-0.000	27.678	0.000	0.000	42.635	37.662	100.227	MWD+IFR1+MS
11300.000	90.000	179.657	10448.997	27.898	0.000	37.962	-0.000	27.898	0.000	0.000	42.644	37.781	100.461	MWD+IFR1+MS
11400.000	90.000	179.657	10448.997	28.139	0.000	38.099	-0.000	28.139	0.000	0.000	42.655	37.914	100.736	MWD+IFR1+MS
11500.000	90.000	179.657	10448.997	28.398	0.000	38.251	-0.000	28.398	0.000	0.000	42.667	38.061	101.058	MWD+IFR1+MS
11600.000	90.000	179.657	10448.997	28.678	0.000	38.418	-0.000	28.678	0.000	0.000	42.681	38.222	101.433	MWD+IFR1+MS
11700.000	90.000	179.657	10448.997	28.975	0.000	38.599	-0.000	28.975	0.000	0.000	42.696	38.396	101.871	MWD+IFR1+MS
11800.000	90.000	179.657	10448.997	29.291	0.000	38.794	-0.000	29.291	0.000	0.000	42.713	38.584	102.380	MWD+IFR1+MS
11900.000	90.000	179.657	10448.997	29.624	0.000	39.004	-0.000	29.624	0.000	0.000	42.731	38.784	102.976	MWD+IFR1+MS
12000.000	90.000	179.657	10448.997	29.974	0.000	39.227	-0.000	29.974	0.000	0.000	42.752	38.997	103.674	MWD+IFR1+MS
12100.000	90.000	179.657	10448.997	30.340	0.000	39.464	-0.000	30.340	0.000	0.000	42.776	39.221	104.496	MWD+IFR1+MS
12200.000	90.000	179.657	10448.997	30.722	0.000	39.714	-0.000	30.722	0.000	0.000	42.803	39.456	105.472	MWD+IFR1+MS
12300.000	90.000	179.657	10448.997	31.119	0.000	39.977	-0.000	31.119	0.000	0.000	42.833	39.701	106.637	MWD+IFR1+MS
12400.000	90.000	179.657	10448.997	31.530	0.000	40.253	-0.000	31.530	0.000	0.000	42.868	39.954	108.041	MWD+IFR1+MS
12500.000	90.000	179.657	10448.997	31.956	0.000	40.542	-0.000	31.956	0.000	0.000	42.909	40.215	109.748	MWD+IFR1+MS
12600.000	90.000	179.657	10448.997	32.395	0.000	40.843	-0.000	32.395	0.000	0.000	42.958	40.481	111.843	MWD+IFR1+MS
12700.000	90.000	179.657	10448.997	32.847	0.000	41.156	-0.000	32.847	0.000	0.000	43.017	40.749	114.433	MWD+IFR1+MS
12800.000	90.000	179.657	10448.997	33.311	0.000	41.481	-0.000	33.311	0.000	0.000	43.090	41.015	117.643	MWD+IFR1+MS
12900.000	90.000	179.657	10448.997	33.787	0.000	41.817	-0.000	33.787	0.000	0.000	43.182	41.275	121.599	MWD+IFR1+MS
13000.000	90.000	179.657	10448.997	34.274	0.000	42.165	-0.000	34.274	0.000	0.000	43.300	41.520	126.371	MWD+IFR1+MS

13100.000	90.000	179.657	10448.997	34.772	0.000	42.523	-0.000	34.772	0.000	0.000	43.451	41.744	131.880	MWD+IFR1+MS
13200.000	90.000	179.657	10448.997	35.281	0.000	42.893	-0.000	35.281	0.000	0.000	43.641	41.940	-42.183	MWD+IFR1+MS
13300.000	90.000	179.657	10448.997	35.800	0.000	43.272	-0.000	35.800	0.000	0.000	43.875	42.103	-36.304	MWD+IFR1+MS
13400.000	90.000	179.657	10448.997	36.328	0.000	43.662	-0.000	36.328	0.000	0.000	44.149	42.236	-30.944	MWD+IFR1+MS
13500.000	90.000	179.657	10448.997	36.865	0.000	44.061	-0.000	36.865	0.000	0.000	44.461	42.343	-26.354	MWD+IFR1+MS
13600.000	90.000	179.657	10448.997	37.412	0.000	44.470	-0.000	37.412	0.000	0.000	44.802	42.430	-22.570	MWD+IFR1+MS
13700.000	90.000	179.657	10448.997	37.966	0.000	44.889	-0.000	37.966	0.000	0.000	45.168	42.502	-19.501	MWD+IFR1+MS
13800.000	90.000	179.657	10448.997	38.528	0.000	45.316	-0.000	38.528	0.000	0.000	45.555	42.563	-17.019	MWD+IFR1+MS
13900.000	90.000	179.657	10448.997	39.099	0.000	45.753	-0.000	39.099	0.000	0.000	45.960	42.616	-15.001	MWD+IFR1+MS
14000.000	90.000	179.657	10448.997	39.676	0.000	46.198	-0.000	39.676	0.000	0.000	46.379	42.663	-13.345	MWD+IFR1+MS
14100.000	90.000	179.657	10448.997	40.261	0.000	46.651	-0.000	40.261	0.000	0.000	46.811	42.706	-11.972	MWD+IFR1+MS
14200.000	90.000	179.657	10448.997	40.852	0.000	47.112	-0.000	40.852	0.000	0.000	47.254	42.746	-10.821	MWD+IFR1+MS
14300.000	90.000	179.657	10448.997	41.449	0.000	47.581	-0.000	41.449	0.000	0.000	47.709	42.784	-9.847	MWD+IFR1+MS
14400.000	90.000	179.657	10448.997	42.053	0.000	48.058	-0.000	42.053	0.000	0.000	48.173	42.820	-9.014	MWD+IFR1+MS
14500.000	90.000	179.657	10448.997	42.663	0.000	48.542	-0.000	42.663	0.000	0.000	48.647	42.855	-8.295	MWD+IFR1+MS
14600.000	90.000	179.657	10448.997	43.278	0.000	49.034	-0.000	43.278	0.000	0.000	49.129	42.888	-7.670	MWD+IFR1+MS
14700.000	90.000	179.657	10448.997	43.899	0.000	49.532	-0.000	43.899	0.000	0.000	49.619	42.922	-7.123	MWD+IFR1+MS
14800.000	90.000	179.657	10448.997	44.525	0.000	50.037	-0.000	44.525	0.000	0.000	50.117	42.954	-6.640	MWD+IFR1+MS
14900.000	90.000	179.657	10448.997	45.156	0.000	50.549	-0.000	45.156	0.000	0.000	50.622	42.987	-6.211	MWD+IFR1+MS
15000.000	90.000	179.657	10448.997	45.791	0.000	51.067	-0.000	45.791	0.000	0.000	51.135	43.019	-5.828	MWD+IFR1+MS
15100.000	90.000	179.657	10448.997	46.431	0.000	51.591	-0.000	46.431	0.000	0.000	51.654	43.051	-5.485	MWD+IFR1+MS
15200.000	90.000	179.657	10448.997	47.076	0.000	52.121	-0.000	47.076	0.000	0.000	52.180	43.084	-5.176	MWD+IFR1+MS
15300.000	90.000	179.657	10448.997	47.725	0.000	52.657	-0.000	47.725	0.000	0.000	52.712	43.116	-4.896	MWD+IFR1+MS
15400.000	90.000	179.657	10448.997	48.378	0.000	53.198	-0.000	48.378	0.000	0.000	53.250	43.149	-4.642	MWD+IFR1+MS
15500.000	90.000	179.657	10448.997	49.034	0.000	53.745	-0.000	49.034	0.000	0.000	53.793	43.181	-4.410	MWD+IFR1+MS
15600.000	90.000	179.657	10448.997	49.695	0.000	54.297	-0.000	49.695	0.000	0.000	54.343	43.214	-4.198	MWD+IFR1+MS
15700.000	90.000	179.657	10448.997	50.359	0.000	54.855	-0.000	50.359	0.000	0.000	54.897	43.247	-4.003	MWD+IFR1+MS
15800.000	90.000	179.657	10448.997	51.026	0.000	55.417	-0.000	51.026	0.000	0.000	55.457	43.281	-3.824	MWD+IFR1+MS
15900.000	90.000	179.657	10448.997	51.697	0.000	55.984	-0.000	51.697	0.000	0.000	56.022	43.315	-3.658	MWD+IFR1+MS
16000.000	90.000	179.657	10448.997	52.370	0.000	56.556	-0.000	52.370	0.000	0.000	56.592	43.349	-3.505	MWD+IFR1+MS
16100.000	90.000	179.657	10448.997	53.047	0.000	57.133	-0.000	53.047	0.000	0.000	57.166	43.384	-3.363	MWD+IFR1+MS
16200.000	90.000	179.657	10448.997	53.727	0.000	57.713	-0.000	53.727	0.000	0.000	57.745	43.418	-3.231	MWD+IFR1+MS
16300.000	90.000	179.657	10448.997	54.410	0.000	58.298	-0.000	54.410	0.000	0.000	58.329	43.454	-3.108	MWD+IFR1+MS
16400.000	90.000	179.657	10448.997	55.095	0.000	58.888	-0.000	55.095	0.000	0.000	58.916	43.490	-2.993	MWD+IFR1+MS

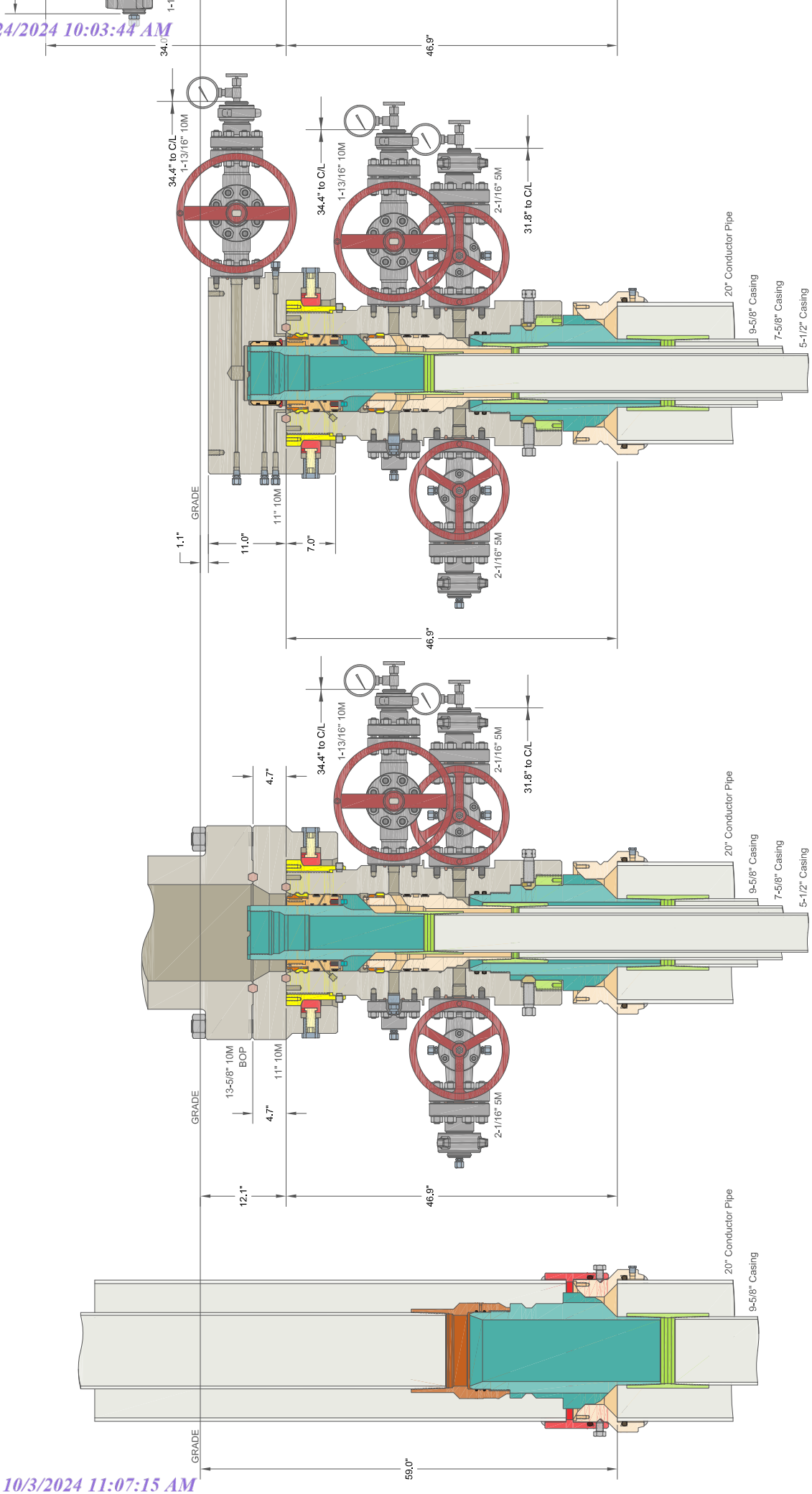
16500.000	90.000	179.657	10448.997	55.783	0.000	59.481	-0.000	55.783	0.000	0.000	59.508	43.526	-2.886	MWD+IFR1+MS
16600.000	90.000	179.657	10448.997	56.474	0.000	60.078	-0.000	56.474	0.000	0.000	60.104	43.562	-2.785	MWD+IFR1+MS
16700.000	90.000	179.657	10448.997	57.167	0.000	60.679	-0.000	57.167	0.000	0.000	60.703	43.599	-2.691	MWD+IFR1+MS
16800.000	90.000	179.657	10448.997	57.862	0.000	61.283	-0.000	57.862	0.000	0.000	61.307	43.637	-2.602	MWD+IFR1+MS
16900.000	90.000	179.657	10448.997	58.560	0.000	61.891	-0.000	58.560	0.000	0.000	61.914	43.674	-2.519	MWD+IFR1+MS
17000.000	90.000	179.657	10448.997	59.259	0.000	62.503	-0.000	59.259	0.000	0.000	62.524	43.713	-2.440	MWD+IFR1+MS
17100.000	90.000	179.657	10448.997	59.961	0.000	63.118	-0.000	59.961	0.000	0.000	63.138	43.752	-2.366	MWD+IFR1+MS
17200.000	90.000	179.657	10448.997	60.665	0.000	63.736	-0.000	60.665	0.000	0.000	63.756	43.791	-2.296	MWD+IFR1+MS
17300.000	90.000	179.657	10448.997	61.371	0.000	64.358	-0.000	61.371	0.000	0.000	64.376	43.830	-2.229	MWD+IFR1+MS
17400.000	90.000	179.657	10448.997	62.079	0.000	64.982	-0.000	62.079	0.000	0.000	65.000	43.870	-2.166	MWD+IFR1+MS
17500.000	90.000	179.657	10448.997	62.788	0.000	65.609	-0.000	62.788	0.000	0.000	65.627	43.911	-2.107	MWD+IFR1+MS
17600.000	90.000	179.657	10448.997	63.500	0.000	66.240	-0.000	63.500	0.000	0.000	66.256	43.952	-2.050	MWD+IFR1+MS
17700.000	90.000	179.657	10448.997	64.213	0.000	66.873	-0.000	64.213	0.000	0.000	66.889	43.994	-1.996	MWD+IFR1+MS
17800.000	90.000	179.657	10448.997	64.927	0.000	67.509	-0.000	64.927	0.000	0.000	67.524	44.036	-1.945	MWD+IFR1+MS
17900.000	90.000	179.657	10448.997	65.644	0.000	68.147	-0.000	65.644	0.000	0.000	68.162	44.078	-1.896	MWD+IFR1+MS
18000.000	90.000	179.657	10448.997	66.362	0.000	68.789	-0.000	66.362	0.000	0.000	68.803	44.121	-1.850	MWD+IFR1+MS
18100.000	90.000	179.657	10448.997	67.081	0.000	69.432	-0.000	67.081	0.000	0.000	69.446	44.164	-1.806	MWD+IFR1+MS
18200.000	90.000	179.657	10448.997	67.802	0.000	70.078	-0.000	67.802	0.000	0.000	70.091	44.208	-1.763	MWD+IFR1+MS
18300.000	90.000	179.657	10448.997	68.524	0.000	70.727	-0.000	68.524	0.000	0.000	70.739	44.252	-1.723	MWD+IFR1+MS
18400.000	90.000	179.657	10448.997	69.248	0.000	71.378	-0.000	69.248	0.000	0.000	71.390	44.297	-1.684	MWD+IFR1+MS
18500.000	90.000	179.657	10448.997	69.972	0.000	72.031	-0.000	69.972	0.000	0.000	72.043	44.343	-1.647	MWD+IFR1+MS
18600.000	90.000	179.657	10448.997	70.699	0.000	72.686	-0.000	70.699	0.000	0.000	72.697	44.388	-1.612	MWD+IFR1+MS
18700.000	90.000	179.657	10448.997	71.426	0.000	73.344	-0.000	71.426	0.000	0.000	73.355	44.434	-1.578	MWD+IFR1+MS
18800.000	90.000	179.657	10448.997	72.155	0.000	74.003	-0.000	72.155	0.000	0.000	74.014	44.481	-1.545	MWD+IFR1+MS
18900.000	90.000	179.657	10448.997	72.884	0.000	74.665	-0.000	72.884	0.000	0.000	74.675	44.528	-1.514	MWD+IFR1+MS
19000.000	90.000	179.657	10448.997	73.615	0.000	75.328	-0.000	73.615	0.000	0.000	75.338	44.576	-1.484	MWD+IFR1+MS
19100.000	90.000	179.657	10448.997	74.347	0.000	75.994	-0.000	74.347	0.000	0.000	76.003	44.624	-1.455	MWD+IFR1+MS
19200.000	90.000	179.657	10448.997	75.080	0.000	76.661	-0.000	75.080	0.000	0.000	76.670	44.673	-1.428	MWD+IFR1+MS
19300.000	90.000	179.657	10448.997	75.815	0.000	77.330	-0.000	75.815	0.000	0.000	77.339	44.722	-1.401	MWD+IFR1+MS
19400.000	90.000	179.657	10448.997	76.550	0.000	78.001	-0.000	76.550	0.000	0.000	78.010	44.771	-1.376	MWD+IFR1+MS
19500.000	90.000	179.657	10448.997	77.286	0.000	78.674	-0.000	77.286	0.000	0.000	78.682	44.821	-1.351	MWD+IFR1+MS
19600.000	90.000	179.657	10448.997	78.023	0.000	79.348	-0.000	78.023	0.000	0.000	79.356	44.871	-1.327	MWD+IFR1+MS
19700.000	90.000	179.657	10448.997	78.761	0.000	80.024	-0.000	78.761	0.000	0.000	80.032	44.922	-1.304	MWD+IFR1+MS
19800.000	90.000	179.657	10448.997	79.500	0.000	80.702	-0.000	79.500	0.000	0.000	80.709	44.974	-1.282	MWD+IFR1+MS

19900.000	90.000	179.657	10448.997	80.239	0.000	81.381	-0.000	80.239	0.000	0.000	81.388	45.025	-1.261	MWD+IFR1+MS
20000.000	90.000	179.657	10448.997	80.980	0.000	82.061	-0.000	80.980	0.000	0.000	82.068	45.078	-1.240	MWD+IFR1+MS
20100.000	90.000	179.657	10448.997	81.721	0.000	82.743	-0.000	81.721	0.000	0.000	82.750	45.130	-1.220	MWD+IFR1+MS
20200.000	90.000	179.657	10448.997	82.464	0.000	83.427	-0.000	82.464	0.000	0.000	83.434	45.184	-1.201	MWD+IFR1+MS
20300.000	90.000	179.657	10448.997	83.207	0.000	84.112	-0.000	83.207	0.000	0.000	84.118	45.237	-1.183	MWD+IFR1+MS
20400.000	90.000	179.657	10448.997	83.950	0.000	84.798	-0.000	83.950	0.000	0.000	84.805	45.291	-1.165	MWD+IFR1+MS
20500.000	90.000	179.657	10448.997	84.695	0.000	85.486	-0.000	84.695	0.000	0.000	85.492	45.346	-1.147	MWD+IFR1+MS
20600.000	90.000	179.657	10448.997	85.440	0.000	86.175	-0.000	85.440	0.000	0.000	86.181	45.401	-1.131	MWD+IFR1+MS
20700.000	90.000	179.657	10448.997	86.186	0.000	86.865	-0.000	86.186	0.000	0.000	86.871	45.456	-1.114	MWD+IFR1+MS
20800.000	90.000	179.657	10448.997	86.933	0.000	87.557	-0.000	86.933	0.000	0.000	87.563	45.512	-1.099	MWD+IFR1+MS
20900.000	90.000	179.657	10448.997	87.680	0.000	88.250	-0.000	87.680	0.000	0.000	88.255	45.569	-1.083	MWD+IFR1+MS
21000.000	90.000	179.657	10448.997	88.428	0.000	88.944	-0.000	88.428	0.000	0.000	88.949	45.625	-1.069	MWD+IFR1+MS
21100.000	90.000	179.657	10448.997	89.176	0.000	89.639	-0.000	89.176	0.000	0.000	89.644	45.683	-1.054	MWD+IFR1+MS
21200.000	90.000	179.657	10448.997	89.926	0.000	90.335	-0.000	89.926	0.000	0.000	90.340	45.740	-1.040	MWD+IFR1+MS
21300.000	90.000	179.657	10448.997	90.675	0.000	91.033	-0.000	90.675	0.000	0.000	91.037	45.798	-1.027	MWD+IFR1+MS
21400.000	90.000	179.657	10448.997	91.426	0.000	91.731	-0.000	91.426	0.000	0.000	91.736	45.857	-1.014	MWD+IFR1+MS
21500.000	90.000	179.657	10448.997	92.177	0.000	92.431	-0.000	92.177	0.000	0.000	92.435	45.916	-1.001	MWD+IFR1+MS
21600.000	90.000	179.657	10448.997	92.928	0.000	93.131	-0.000	92.928	0.000	0.000	93.136	45.976	-0.989	MWD+IFR1+MS
21700.000	90.000	179.657	10448.997	93.680	0.000	93.833	-0.000	93.680	0.000	0.000	93.837	46.035	-0.977	MWD+IFR1+MS
21800.000	90.000	179.657	10448.997	94.433	0.000	94.535	-0.000	94.433	0.000	0.000	94.540	46.096	-0.965	MWD+IFR1+MS
21900.000	90.000	179.657	10448.997	95.186	0.000	95.239	-0.000	95.186	0.000	0.000	95.243	46.157	-0.954	MWD+IFR1+MS
22000.000	90.000	179.657	10448.997	95.939	0.000	95.943	-0.000	95.939	0.000	0.000	95.948	46.218	-0.943	MWD+IFR1+MS
22100.000	90.000	179.657	10448.997	96.693	0.000	96.649	-0.000	96.693	0.000	0.000	96.653	46.279	-0.932	MWD+IFR1+MS
22200.000	90.000	179.657	10448.997	97.448	0.000	97.355	-0.000	97.448	0.000	0.000	97.359	46.342	-0.922	MWD+IFR1+MS
22300.000	90.000	179.657	10448.997	98.203	0.000	98.063	-0.000	98.203	0.000	0.000	98.066	46.404	-0.912	MWD+IFR1+MS
22400.000	90.000	179.657	10448.997	98.959	0.000	98.771	-0.000	98.959	0.000	0.000	98.774	46.467	-0.902	MWD+IFR1+MS
22500.000	90.000	179.657	10448.997	99.715	0.000	99.480	-0.000	99.715	0.000	0.000	99.483	46.530	-0.892	MWD+IFR1+MS
22600.000	90.000	179.657	10448.997	100.471	0.000	100.189	-0.000	100.471	0.000	0.000	100.193	46.594	-0.883	MWD+IFR1+MS
22700.000	90.000	179.657	10448.997	101.228	0.000	100.900	-0.000	101.228	0.000	0.000	100.903	46.658	-0.874	MWD+IFR1+MS
22800.000	90.000	179.657	10448.997	101.985	0.000	101.611	-0.000	101.985	0.000	0.000	101.615	46.723	-0.865	MWD+IFR1+MS
22900.000	90.000	179.657	10448.997	102.743	0.000	102.324	-0.000	102.743	0.000	0.000	102.327	46.788	-0.856	MWD+IFR1+MS
23000.000	90.000	179.657	10448.997	103.501	0.000	103.037	-0.000	103.501	0.000	0.000	103.040	46.853	-0.848	MWD+IFR1+MS
23100.000	90.000	179.657	10448.997	103.880	0.000	103.481	-0.000	103.880	0.000	0.000	103.484	52.989	-0.882	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
23129.696	90.000	179.657	10448.997	103.880	0.000	103.533	-0.000	103.880	0.000	0.000	103.536	53.014	-0.881	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22

23200.000	90.000	179.657	10448.997	103.882	0.000	103.658	-0.000	103.882	0.000	0.000	103.662	53.073	-0.880	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22
23219.699	90.000	179.657	10448.997	103.883	0.000	103.693	-0.000	103.883	0.000	0.000	103.697	53.089	-0.880	MWD+IFR1+SAG+MS+GS_XTO_PLUDTD_22

Plan Targets Poker Lake Unit 22 DTD South 176H

Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
FTP 12	10596.70	440488.30	644116.10	7002.00	RECTANGLE
SHL 12	10436.47	440175.61	644131.06	6841.13	RECTANGLE
LTP 12	23129.70	427509.40	644193.80	7002.00	RECTANGLE
BHL 12	23219.96	427419.40	644194.60	7002.00	RECTANGLE


34.4" to C/L
1-13/16" 10M
2-1/16" 5M
31.8" to C/L
20" Conductor Pipe
9-5/8" Casing
7-5/8" Casing
5-1/2" Casing
GRADE
1.1"
11.0"
11" 10M
7.0"
46.9"
4.7"
13-5/8" 10M BOP
12.1"
59.0"

U. S. Steel Tubular Products

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5.500" 20.00lb/ft (0.361" Wall) P110 RY USS-FREEDOM HTQ®

MECHANICAL PROPERTIES	Pipe	USS-FREEDOM HTQ®		--
Minimum Yield Strength	110,000	--	psi	--
Maximum Yield Strength	125,000	--	psi	--
Minimum Tensile Strength	125,000	--	psi	--
DIMENSIONS	**Pipe**	**USS-FREEDOM HTQ®**		**--**
Outside Diameter	5.500	6.300	in.	--
Wall Thickness	0.361	--	in.	--
Inside Diameter	4.778	4.778	in.	--
Standard Drift	4.653	4.653	in.	--
Alternate Drift	--	--	in.	--
Nominal Linear Weight, T&C	20.00	--	lb/ft	--
Plain End Weight	19.83	--	lb/ft	--
SECTION AREA	**Pipe**	**USS-FREEDOM HTQ®**		**--**
Critical Area	5.828	5.828	sq. in.	--
Joint Efficiency	--	100.0	%	--
PERFORMANCE	**Pipe**	**USS-FREEDOM HTQ®**		**--**
Minimum Collapse Pressure	11,100	11,100	psi	--
Minimum Internal Yield Pressure	12,640	12,640	psi	--
Minimum Pipe Body Yield Strength	641,000	--	lb	--
Joint Strength	--	641,000	lb	--
Compression Rating	--	641,000	lb	--
Reference Length [4]	--	21,370	ft	--
Maximum Uniaxial Bend Rating [2]	--	91.7	deg/100 ft	--
MAKE-UP DATA	**Pipe**	**USS-FREEDOM HTQ®**		**--**
Make-Up Loss	--	4.13	in.	--
Minimum Make-Up Torque [3]	--	15,000	ft-lb	--
Maximum Make-Up Torque [3]	--	21,000	ft-lb	--
Maximum Operating Torque[3]	--	29,500	ft-lb	--

Notes

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

U. S. Steel Tubular Products
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U. S. Steel Tubular Products

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

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

Notes

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

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10,000 PSI Annular BOP Variance Request

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

1. Component and Preventer Compatibility Tables

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

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

2. Well Control Procedures

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

General Procedure While Drilling

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

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

General Procedure While Tripping

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

General Procedure While Running Production Casing

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

General Procedure With No Pipe In Hole (Open Hole)

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

General Procedures While Pulling BHA Through Stack

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

h. Regroup and identify forward plan

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

Gates **BLACK GOLD®**

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NEW CHOKE HOSE INSTALLED 02-10-2024

CERTIFICATE OF CONFORMANCE

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

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

SIGNATURE: F. OSMOS

TITLE: QUALITY ASSURANCE

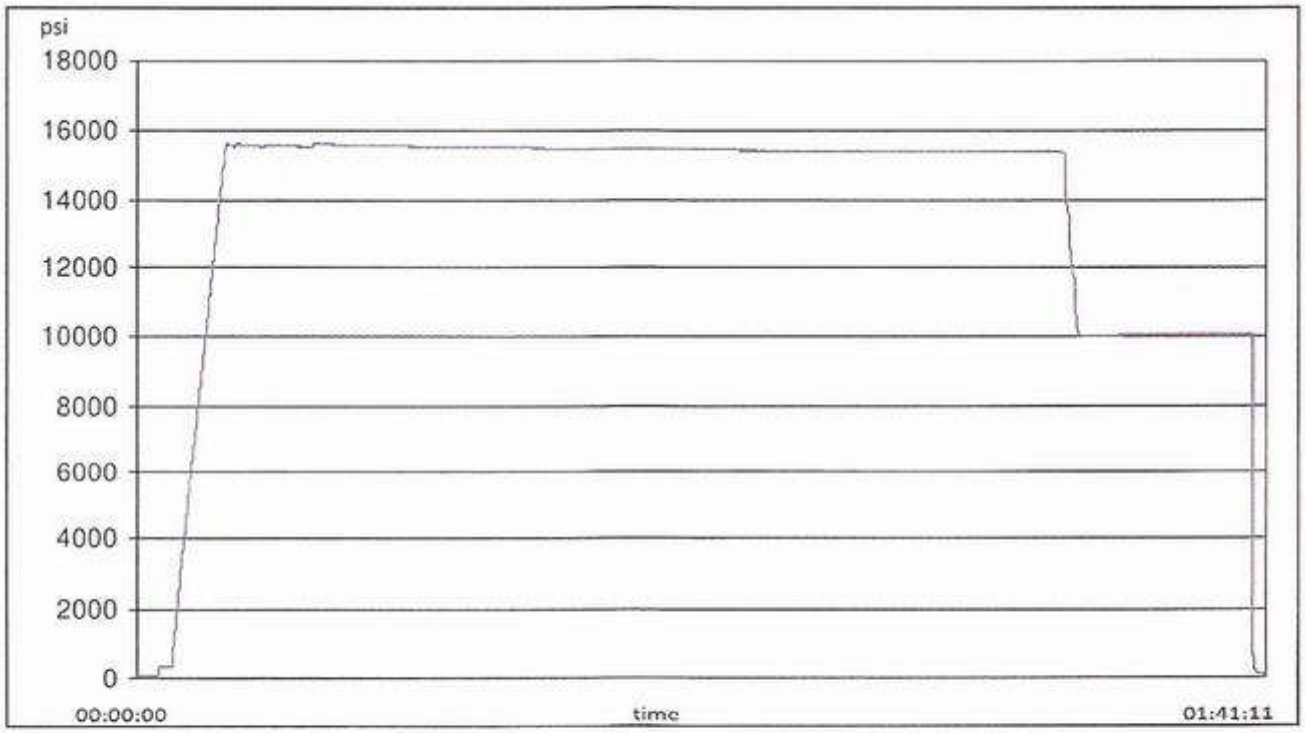
DATE: 1/25/2024

H3-15716

1/25/2024 11:48:06 AM

TEST REPORT

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



H3-15716

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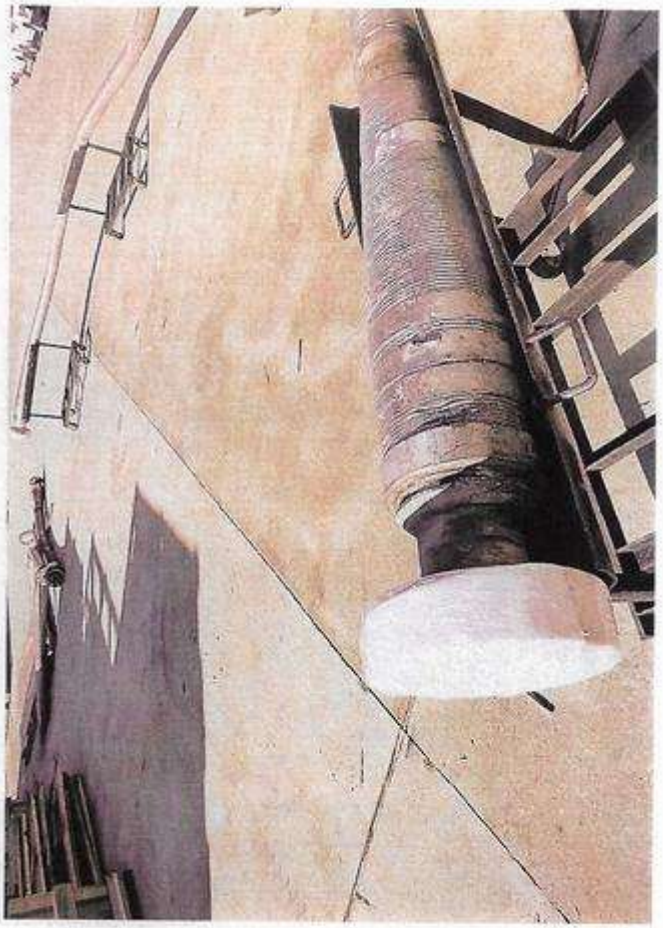
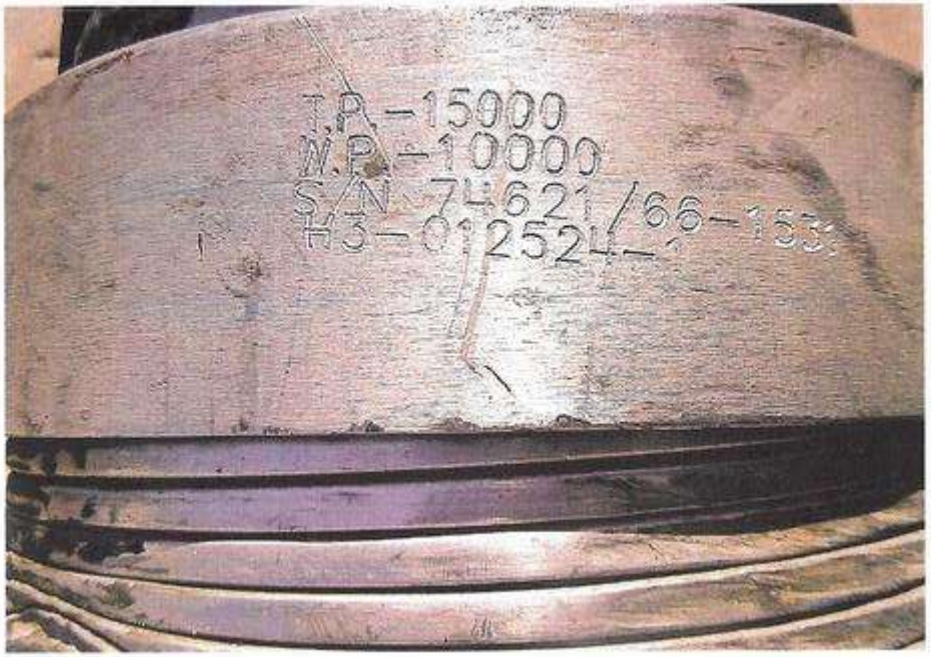
TEST REPORT

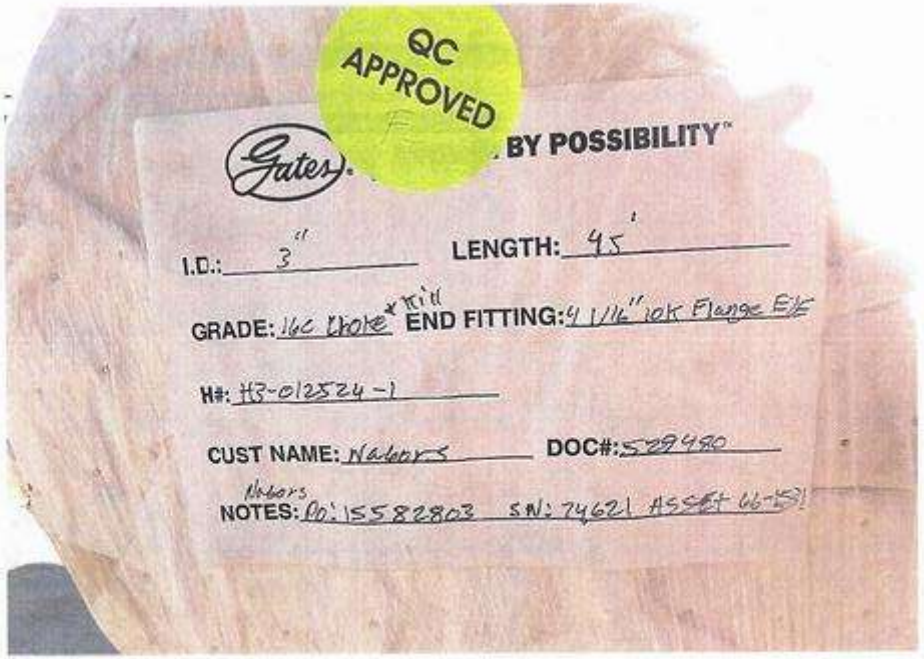
GAUGE TRACEABILITY

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

Comment







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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 386142

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 386142
	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.	10/3/2024