

Lease Number: NMLC061634B

Unit or CA Name: POKER LAKE UNIT

Unit or CA Number:
NMNM71016X

US Well Number:

Operator: XTO PERMIAN OPERATING
LLC**Notice of Intent**

Sundry ID: 2830601

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 01/07/2025

Time Sundry Submitted: 04:20

Date proposed operation will begin: 01/21/2025

Procedure Description: XTO Permian Operating, LLC. respectfully requests approval to make the following changes to the approved APD. Changes to include KOP, FTP, LTP, BHL, Proposed total Depth, Pool. There is a Dedicated Acreage change. There is no new surface disturbance. The API number for this well is 30-015-55947 FROM: TO: KOP: 2435' FNL & 659' FEL OF SECTION 30-T25S-R31E 2040' FNL & 1056' FEL OF SECTION 30-T25S-R31E FTP: 2435' FNL & 1210' FEL OF SECTION 30-T25S-R31E 2558' FNL & 1053' FEL OF SECTION 30-T25S-R31E LTP: 100' FSL & 1210' FEL OF SECTION 6-T26S-R31E 100' FSL & 1081' FEL OF SECTION 6-T26S-R31E BHL: 50' FSL & 1210' FEL OF SECTION 6-T26S-R31E 10' FSL & 1081' FEL OF SECTION 6-T26S-R31E The proposed total depth is changing from 24724' MD; 10895' TVD to 23718' MD; 10097' TVD. Pool Code is changing FROM 98220 / PURPLE SAGE; WOLFCAMP (GAS) TO 97913 / WILDCAT G-06 S253002O; BONE SPRING There will be no changes required to the facilities/surface usage that was approved along with the APD. See attached drilling program for the updated casing design, cement program & mud circulation system. Attachments: C-102, Drilling Program, Directional Drilling Plan, Choke Manifold Diagram, BOP Diagram, Non-API Spec documents for Intermediate & Production Casing.

NOI Attachments**Procedure Description**

Sundry_Attachments_PLU_30_BS_408H_20250107162011.pdf

US Well Number:

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

PLU_30_BS_408H_COA_20250131075231.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: VISHAL RAJAN**Signed on:** JAN 07, 2025 04:20 PM**Name:** XTO PERMIAN OPERATING LLC**Title:** Regulatory Clerk**Street Address:** 6401 HOLIDAY HILL ROAD BLDG 5**City:** MIDLAND**State:** TX**Phone:** (432) 620-6704**Email address:** VISHAL.RAJAN@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:** 01/31/2025**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.	NMLC061634B
6. If Indian, Allottee or Tribe Name	

SUBMIT IN TRIPLICATE - Other instructions on page 2	
1. Type of Well ☒ Oil Well ☐ Gas Well ☐ 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 30/T25S/R31E/NMP	

7. If Unit of CA/Agreement, Name and/or No. POKER LAKE UNIT/NMNM71016X
8. Well Name and No. POKER LAKE UNIT 30 BS/408H
9. API Well No.
10. Field and Pool or Exploratory Area PURPLE SAGE/(WOLFCAMP) GAS
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
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ 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 recompleat 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 recompleation in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

XTO Permian Operating, LLC. respectfully requests approval to make the following changes to the approved APD. Changes to include KOP, FTP, LTP, BHL, Proposed total Depth, Pool. There is a Dedicated Acreage change. There is no new surface disturbance. The API number for this well is 30-015-55947

FROM: TO:
KOP: 2435' FNL & 659' FEL OF SECTION 30-T25S-R31E 2040 FNL & 1056 FEL OF SECTION 30-T25S-R31E
FTP: 2435' FNL & 1210 FEL OF SECTION 30-T25S-R31E 2558' FNL & 1053' FEL OF SECTION 30-T25S-R31E
LTP: 100' FSL & 1210 FEL OF SECTION 6-T26S-R31E 100' FSL & 1081' FEL OF SECTION 6-T26S-R31E
BHL: 50' FSL & 1210 FEL OF SECTION 6-T26S-R31E 10' FSL & 1081' FEL OF SECTION 6-T26S-R31E

The proposed total depth is changing from 24724 MD; 10895 TVD to 23718 MD; 10097 TVD.

Continued on page 3 additional information

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) VISHAL RAJAN / Ph: (432) 620-6704	Title Regulatory Clerk
Signature (Electronic Submission)	Date 01/07/2025

THE SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by CHRISTOPHER WALLS / Ph: (575) 234-2234 / Approved	Title Petroleum Engineer	Date 01/31/2025
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

Pool Code is changing FROM 98220 / PURPLE SAGE; WOLFCAMP (GAS) TO 97913 / WILDCAT G-06 S253002O; BONE SPRING

There will be no changes required to the facilities/surface usage that was approved along with the APD.

See attached drilling program for the updated casing design, cement program & mud circulation system.

Attachments: C-102, Drilling Program, Directional Drilling Plan, Choke Manifold Diagram, BOP Diagram, Non-API Spec documents for Intermediate & Production Casing.

Location of Well

0. SHL: SENE / 2435 FNL / 659 FEL / TWSP: 25S / RANGE: 31E / SECTION: 30 / LAT: 32.101851 / LONG: -103.811017 (TVD: 0 feet, MD: 0 feet)

PPP: NESE / 2657 FNL / 1209 FEL / TWSP: 25S / RANGE: 31E / SECTION: 30 / LAT: 32.101239 / LONG: -103.812797 (TVD: 10895 feet, MD: 11600 feet)

PPP: SENE / 2435 FNL / 1210 FEL / TWSP: 25S / RANGE: 31E / SECTION: 30 / LAT: 32.101849 / LONG: -103.812796 (TVD: 10895 feet, MD: 11300 feet)

BHL: SESE / 50 FSL / 1210 FEL / TWSP: 26S / RANGE: 31E / SECTION: 6 / LAT: 32.064834 / LONG: -103.812863 (TVD: 10895 feet, MD: 24724 feet)

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO
LEASE NO.:	NMNM0157756A
LOCATION:	Sec. 30, T.25 S, R 31 E
COUNTY:	Eddy County, New Mexico ▼
WELL NAME & NO.:	Poker Lake Unit 30 BS 408H
SURFACE HOLE FOOTAGE:	2435'N & 659'E
BOTTOM HOLE FOOTAGE:	10'S & 1081'E

*Changes approved through engineering via **Sundry 2830601** on 1-30-2025. Any previous COAs not addressed within the updated COAs still apply.*

COA

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

A. HYDROGEN SULFIDE

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

B. CASING

1. The 9-5/8 inch surface casing shall be set at approximately **1084** 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 7841'**.
- 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.**

❖ In Medium Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

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 **P-110 Wedge 441 and TPN** is:
 - Cement should tie-back **200 feet** into the previous casing. Operator shall provide method of verification.

C. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).
2. Operator has proposed a multi-bowl wellhead assembly. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M) psi**.
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. If the cement does not circulate and one-inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
 - e. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172 must be followed.

D. SPECIAL REQUIREMENT (S)

Unit Wells

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

Commercial Well Determination

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

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.

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.

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 1/31/2025
575-234-5998 / zstevens@blm.gov

WELL LOCATION INFORMATION

API Number 30-015	Pool Code 97913	Pool Name WILDCAT G-06 S2530020;BONE SPRING
Property Code	Property Name POKER LAKE UNIT 30 BS	Well Number 408H
ORGID No. 373075	Operator Name XTO PERMIAN OPERATING, LLC.	Ground Level Elevation 3,366'
Surface Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal		Mineral Owner: ☐ State ☐ Fee ☐ Tribal ☒ Federal

Surface Location

UL H	Section 30	Township 25 S	Range 31 E	Lot	Ft. from N/S 2,435' FNL	Ft. from E/W 659' FEL	Latitude 32.101851	Longitude -103.811017	County EDDY
---------	---------------	------------------	---------------	-----	----------------------------	--------------------------	-----------------------	--------------------------	----------------

Bottom Hole Location

UL P	Section 6	Township 26 S	Range 31 E	Lot	Ft. from N/S 10' FSL	Ft. from E/W 1,081' FEL	Latitude 32.064726	Longitude -103.812447	County EDDY
---------	--------------	------------------	---------------	-----	-------------------------	----------------------------	-----------------------	--------------------------	----------------

Dedicated Acres 400	Infill or Defining Well DEFINING	Defining Well API	Overlapping Spacing Unit (Y/N) N	Consolidation Code U
Order Numbers.			Well setbacks are under Common Ownership: ☒ Yes ☐ No	

Kick Off Point (KOP)

UL H	Section 30	Township 25 S	Range 31 E	Lot	Ft. from N/S 2,040' FNL	Ft. from E/W 1,056' FEL	Latitude 32.102935	Longitude -103.812288	County EDDY
---------	---------------	------------------	---------------	-----	----------------------------	----------------------------	-----------------------	--------------------------	----------------

First Take Point (FTP)

UL I	Section 30	Township 25 S	Range 31 E	Lot	Ft. from N/S 2,558' FSL	Ft. from E/W 1,053' FEL	Latitude 32.100966	Longitude -103.812296	County EDDY
---------	---------------	------------------	---------------	-----	----------------------------	----------------------------	-----------------------	--------------------------	----------------

Last Take Point (LTP)

UL P	Section 6	Township 26 S	Range 31 E	Lot	Ft. from N/S 100' FSL	Ft. from E/W 1,081' FEL	Latitude 32.064973	Longitude -103.812447	County EDDY
---------	--------------	------------------	---------------	-----	--------------------------	----------------------------	-----------------------	--------------------------	----------------

Unitized Area or Area of Uniform Interest NMNM-071016X	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3,366'
---	--	--------------------------------

OPERATOR CERTIFICATIONS

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.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling form the division.

Terra Sebastian

1/06/2025

Signature Date

Terra Sebastian

Printed Name

terra.b.sebastian@exxonmobil.com

Email Address

SURVEYOR CERTIFICATIONS

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.

I, TIM C. PAPPAS, NEW MEXICO PROFESSIONAL SURVEYOR NO. 21209, DO HEREBY CERTIFY THAT THIS SURVEY PLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT I AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO, AND THAT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

6 Jan 2025

TIM C. PAPPAS
REGISTERED PROFESSIONAL LAND SURVEYOR
STATE OF NEW MEXICO NO. 21209



Signature and Seal of Professional Surveyor

Certificate Number

TIM C. PAPPAS 21209

Date of Survey

01/05/2025

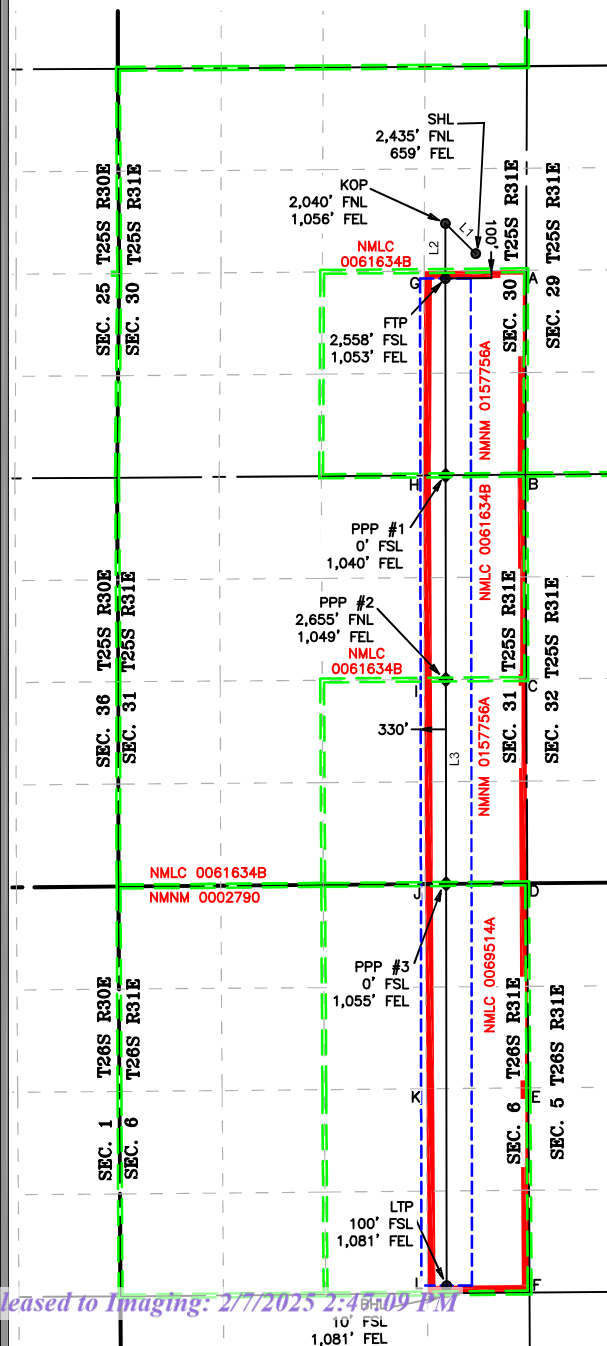
Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

LEGEND

- SECTION LINE
- PROPOSED WELLBORE
- NEW MEXICO MINERAL LEASE LINE
- 330' BUFFER
- DEDICATED ACREAGE

LINE TABLE

LINE	AZIMUTH	LENGTH
L1	314° 45'38"	556.99'
L2	179° 55'53"	716.19'
L3	179° 55'34"	13,183.55'



COORDINATE TABLE

SHL (NAD 83 NME)			LTP (NAD 83 NME)		
Y =	401,181.8	N	Y =	387,764.3	N
X =	703,071.2	E	X =	702,693.2	E
LAT. =	32.101851	°N	LAT. =	32.064973	°N
LONG. =	103.811017	°W	LONG. =	103.812447	°W
KOP (NAD 83 NME)			BHL (NAD 83 NME)		
Y =	401,574.0	N	Y =	387,674.3	N
X =	702,675.7	E	X =	702,693.6	E
LAT. =	32.102935	°N	LAT. =	32.064726	°N
LONG. =	103.812288	°W	LONG. =	103.812447	°W
FTP (NAD 83 NME)					
Y =	400,857.8	N			
X =	702,676.6	E			
LAT. =	32.100966	°N			
LONG. =	103.812296	°W			
SHL (NAD 27 NME)			LTP (NAD 27 NME)		
Y =	401,123.9	N	Y =	387,706.7	N
X =	661,885.6	E	X =	661,507.2	E
LAT. =	32.101727	°N	LAT. =	32.064849	°N
LONG. =	103.810538	°W	LONG. =	103.811969	°W
KOP (NAD 27 NME)			BHL (NAD 27 NME)		
Y =	401,516.1	N	Y =	387,616.7	N
X =	661,490.1	E	X =	661,507.5	E
LAT. =	32.102810	°N	LAT. =	32.064601	°N
LONG. =	103.811809	°W	LONG. =	103.811970	°W
FTP (NAD 27 NME)					
Y =	400,799.9	N			
X =	661,491.0	E			
LAT. =	32.100841	°N			
LONG. =	103.811817	°W			
PPP #1 (NAD 83 NME)			PPP #1 (NAD 27 NME)		
Y =	398,300.2	N	Y =	398,242.4	N
X =	702,679.8	E	X =	661,494.1	E
LAT. =	32.093935	°N	LAT. =	32.093811	°N
LONG. =	103.812325	°W	LONG. =	103.811847	°W
PPP #2 (NAD 83 NME)			PPP #2 (NAD 27 NME)		
Y =	395,644.8	N	Y =	395,587.0	N
X =	702,683.2	E	X =	661,497.4	E
LAT. =	32.086636	°N	LAT. =	32.086511	°N
LONG. =	103.812356	°W	LONG. =	103.811878	°W
PPP #3 (NAD 83 NME)			PPP #3 (NAD 27 NME)		
Y =	392,987.7	N	Y =	392,930.0	N
X =	702,686.5	E	X =	661,500.6	E
LAT. =	32.079332	°N	LAT. =	32.079207	°N
LONG. =	103.812387	°W	LONG. =	103.811909	°W

CORNER COORDINATES (NAD83 NME)

A - Y =	400,966.5	N	A - X =	703,729.5	E
B - Y =	398,308.0	N	B - X =	703,719.7	E
C - Y =	395,652.0	N	C - X =	703,732.0	E
D - Y =	392,996.2	N	D - X =	703,742.0	E
E - Y =	390,335.7	N	E - X =	703,758.2	E
F - Y =	387,674.7	N	F - X =	703,774.6	E
G - Y =	400,955.6	N	G - X =	702,400.1	E
H - Y =	398,298.0	N	H - X =	702,389.1	E
I - Y =	395,642.9	N	I - X =	702,401.5	E
J - Y =	392,985.5	N	J - X =	702,412.9	E
K - Y =	390,323.9	N	K - X =	702,428.8	E
L - Y =	387,661.9	N	L - X =	702,444.8	E

CORNER COORDINATES (NAD27 NME)

A - Y =	400,908.6	N	A - X =	662,543.9	E
B - Y =	398,250.2	N	B - X =	662,534.0	E
C - Y =	395,594.2	N	C - X =	662,546.2	E
D - Y =	392,938.5	N	D - X =	662,556.1	E
E - Y =	390,278.1	N	E - X =	662,572.2	E
F - Y =	387,617.1	N	F - X =	662,588.5	E
G - Y =	400,897.7	N	G - X =	661,214.5	E
H - Y =	398,240.2	N	H - X =	661,203.4	E
I - Y =	395,585.1	N	I - X =	661,215.7	E
J - Y =	392,927.8	N	J - X =	661,227.0	E
K - Y =	390,266.3	N	K - X =	661,242.8	E

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

XTO Energy Inc.
PLU 30 BS 408H
Projected TD: 23718' MD / 10097' TVD
SHL: 2435' FNL & 659' FEL , Section 30, T25S, R31E
BHL: 10' FSL & 1081' FEL , Section 6, T26S, R31E
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	Water/Oil/Gas
Rustler	865'	Water
Salado	1253'	Water
Base of Salt	3957'	Water
Delaware	4183'	Water/Oil/Gas
Cherry Canyon	5134'	Water/Oil/Gas
Brushy Canyon	6780'	Water/Oil/Gas
Basal Brushy Canyon	7841'	Water/Oil/Gas
Bone Spring Lm.	8063'	Water/Oil/Gas
Avalon	8201'	Water/Oil/Gas
Lower Avalon	8519'	Water/Oil/Gas
1st Bone Spring Lime	8889'	Water/Oil/Gas
1st Bone Spring Sand	9020'	Water/Oil/Gas
2nd Bone Spring Shale	9295'	Water/Oil/Gas
2nd Bone Spring Lime	9484'	Water/Oil/Gas
2nd Bone Spring Sand	9686'	Water/Oil/Gas
2nd Bone Spring T/B Carb	10001'	Water/Oil/Gas
2nd Bone Spring Sand (Lwr)	10097'	Water/Oil/Gas
2nd BS Sand Lower Landing	10097'	Water/Oil/Gas
3rd Bone Spring Lime	10136'	Water/Oil/Gas

Section 2 Summary:

*** Deepest Expected Groundwater Depth: 40' (per NM State Engineers Office).

No other formations are expected to give up oil, gas or fresh water in measurable quantities.
Surface fresh water sands will be protected by setting 9-5/8" inch casing at 1228' and circulating cement back to surface.

3. Casing Design

Primary Design:

Hole Size	MD	Casing TVD	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0' – 1228'	1228'	9-5/8"	40	J55	BTC	New	10.48	4.83	4.89
8.75	0' – 9209'	9181'	7-5/8"	29.7	L80-IC	Tenaris Wedge 511	New	3.27	1.48	2.32
6.75	0' – 23718'	10097'	5-1/2"	20	P110-CY	Tenaris Wedge 461	New	1.18	2.54	1.75

Section 3 Summary:

The planned kick off point is located at: 9409' MD / 9381' TVD.

Wellhead:

A multi-bowl wellhead system will be utilized. The well design chosen is: 3-String Slim Non-Potash

Wellhead will be installed by manufacturer's representatives.

Manufacturer will monitor welding process to ensure appropriate temperature of seal.

4. Cement Program

Primary Cementing								
Casing	Slurry Type	No. Sacks	Density (ppg)	Yield (ft3/sack)	TOC (ft)	Casing Setting Depth (MD)	Excess (%)	Slurry Description
Surface 1	Lead	276	12.4	2.11	0	1228	100%	Surface Class C Lead Cement
Surface 1	Tail	141	14.8	1.33	928	1228	100%	Surface Class C Tail Cement
Intermediate 1	Lead				0			
Intermediate 1	Tail	128	14.8	1.45	7841	9209	35%	Intermediate Class C Tail Cement
Production 1	Lead							
Production 1	Tail	1132	13.2	1.44	8709	23718	30%	Production Class C Tail Cement
Remedial Cementing								
Casing	Slurry Type	No. Sacks	Density (ppg)	Yield (ft3/sack)	Cemented Interval	Excess (%)	Slurry Description	
Intermediate 1	Bradenhead Squeeze	815	14.8	1.45	0 - 7841'	50%	Intermediate Class C Bradenhead Squeeze Cement	

Section 4 Summary:

*Bradenhead Squeeze 2nd Stage Offline

5. Pressure Control Equipment

Section 5 Summary:

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

All BOP testing will be done by an independent service company. Operator will Test as per BLM 43CFR-3172

Requested Variances**4A) Offline Cementing Variance**

XOM 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. XOM 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. Offline cement operations will then be conducted after the rig is moved off the current well to the next well in the batch sequence. The TA cap will also be installed when applicable per wellhead manufacturer's procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops.

5A) Break Test Variance

A break testing variance is requested to ONLY test broken pressure seals on the BOP equipment when moving from wellhead to wellhead for the intermediate hole sections which is in compliance with API Standard 53. The maximum anticipated Surface hole pressure at the deepest intermediate casing point is less than 4800psi.

5B) Flex Hose Variance

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.

5C) 5M Annular Variance

XOM requests a variance to use a 5000 psi annular BOP with a 10,000 psi BOP stack. The component and compatibility tables attached 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 BOP).

8A) Open Hole Logging Variance

Open hole logging will not be done on this well.

10A) Spudder Rig Variance

XOM requests the option to utilize a spudder rig (Atlas Copco RD20 or Equivalent) to set and cement surface casing.

10B) Batch Drilling Variance

XOM requests a variance to be able to batch drill this well. In doing so, XOM will set casing and ensure that the well is cemented properly (unless approval is given for offline cementing) and the well is static. XOM 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, XOM will begin drilling the production hole on each of the wells.

6. Proposed Mud Circulation System

INTERVAL	Hole Size	Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)	Comments
0' – 1228'	12.25"	FW/Native	8.3 – 8.7	35-40	NC	Fresh Water or Native Water
1228' – 9209'	8.75"	BDE/OBM or FW/Brine	9.5 – 10	30-32	NC	Fluid type will be based upon on well conditions. A fully saturated system will be used across the salt interval.
9209' – 23718'	6.75"	OBM	9 – 9.6	50-60	NC – 20	

Section 6 Summary:

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 a fully saturated brine 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. An EDR (Electronic Drilling Recorder) 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**Section 7 Summary:**

A Kelly cock will be in the drill string at all times.

A full opening drill pipe stabbing valve having appropriate connections will be on the rig floor at all times.

H2S monitors will be on location when drilling below the 9-5/8" casing.

8. Logging, Coring and Testing Program**Section 8 Summary:**

Open hole logging will not be done on this well.

9. Abnormal Pressures and Temperatures / Potential Hazards**Section 9 Summary:**

The estimated bottom hole temperature of 166F to 186F. 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 is possible throughout the well.

10. Anticipated Starting Date and Duration of Operations**Section 10 Summary:**

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 30 BS 408H

Measured Depth:	23717.65 ft	Site:	B
TVD RKB:	10097.00 ft	Slot:	Poker Lake Unit 30 BS 408H
Location			
Cartographic Reference System:	New Mexico East - NAD 27		
Northing:	401123.90 ft		
Easting:	661885.60 ft		
RKB:	3398.00 ft		
Ground Level:	3366.00 ft		
North Reference:	Grid		
Convergence Angle:	0.28 Deg		

Poker Lake Unit 30 BS 408H											
Plan Sections		TVD				Build		Turn		Dogleg	
Measured	Depth	Inclination	Azimuth	RKB	Y Offset	X Offset	Rate	Rate	Rate	(Deg/100ft)	Target
(ft)	(ft)	(Deg)	(Deg)	(ft)	(ft)	(ft)	(Deg/100ft)	(Deg/100ft)	(Deg/100ft)	(Deg/100ft)	(Deg/100ft)
0.00		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	0.00
1399.98		6.00	314.76	1399.43	11.05	-11.14	2.00	0.00	0.00	2.00	2.00
6428.66		6.00	314.76	6400.57	381.15	-384.34	0.00	0.00	0.00	0.00	0.00
6728.64		0.00	0.00	6700.00	392.20	-395.49	-2.00	0.00	0.00	2.00	2.00
9409.44		0.00	0.00	9380.80	392.20	-395.49	0.00	0.00	0.00	0.00	0.00
10534.44		90.00	179.93	10097.00	-324.00	-394.60	8.00	0.00	0.00	8.00	FTP 8
23627.65		90.00	179.93	10097.00	-13417.20	-378.40	0.00	0.00	0.00	0.00	LTP 8
23717.65		90.00	179.93	10097.00	-13507.19	-378.29	0.00	0.00	0.00	0.00	BHL 8

Position Uncertainty								
Poker Lake Unit 30 BS 408H								
Measured	TVD	Highside	Lateral	Vertical	Magnitude	Semi-major	Semi-minor	Tool

Depth (ft)	Inclination (°)	Azimuth (°)	RKB (ft)	Error (ft)	Bias (ft)	Error (ft)	Bias (ft)	Error (ft)	Bias (ft)	of Bias (ft)	Error (ft)	Error (ft)	Azimuth (°)	Used
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MWD+IFR1+MS
100.000	0.000	0.000	100.000	0.700	0.000	0.350	0.000	2.300	0.000	0.000	0.751	0.220	112.264	MWD+IFR1+MS
200.000	0.000	0.000	200.000	1.112	0.000	0.861	0.000	2.310	0.000	0.000	1.259	0.627	122.711	MWD+IFR1+MS
300.000	0.000	0.000	300.000	1.497	0.000	1.271	0.000	2.325	0.000	0.000	1.698	0.986	125.469	MWD+IFR1+MS
400.000	0.000	0.000	400.000	1.871	0.000	1.658	0.000	2.347	0.000	0.000	2.108	1.344	126.713	MWD+IFR1+MS
500.000	0.000	0.000	500.000	2.240	0.000	2.034	0.000	2.374	0.000	0.000	2.503	1.701	127.419	MWD+IFR1+MS
600.000	0.000	0.000	600.000	2.607	0.000	2.405	0.000	2.407	0.000	0.000	2.888	2.059	127.873	MWD+IFR1+MS
700.000	0.000	0.000	700.000	2.971	0.000	2.773	0.000	2.444	0.000	0.000	3.267	2.417	128.190	MWD+IFR1+MS
800.000	0.000	0.000	800.000	3.334	0.000	3.138	0.000	2.485	0.000	0.000	3.642	2.775	128.423	MWD+IFR1+MS
900.000	0.000	0.000	900.000	3.696	0.000	3.502	0.000	2.531	0.000	0.000	4.014	3.133	128.602	MWD+IFR1+MS
1000.000	0.000	0.000	1000.000	4.058	0.000	3.865	0.000	2.581	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	2.634	0.000	0.000	4.752	3.849	128.859	MWD+IFR1+MS
1200.000	2.000	314.761	1199.980	4.371	0.000	5.089	0.000	2.691	0.000	0.000	5.128	4.326	121.391	MWD+IFR1+MS
1300.000	4.000	314.761	1299.838	5.252	0.000	5.418	0.000	2.751	0.000	0.000	5.639	5.022	97.222	MWD+IFR1+MS
1399.976	6.000	314.761	1399.428	6.020	0.000	5.751	0.000	2.816	0.000	0.000	6.301	5.459	79.856	MWD+IFR1+MS
1500.000	6.000	314.761	1498.904	6.481	0.000	6.087	0.000	2.883	0.000	0.000	6.768	5.782	77.512	MWD+IFR1+MS
1600.000	6.000	314.761	1598.357	6.800	0.000	6.426	0.000	2.952	0.000	0.000	7.103	6.104	78.360	MWD+IFR1+MS
1700.000	6.000	314.761	1697.809	7.124	0.000	6.768	0.000	3.024	0.000	0.000	7.441	6.429	79.109	MWD+IFR1+MS
1800.000	6.000	314.761	1797.261	7.451	0.000	7.111	0.000	3.098	0.000	0.000	7.782	6.758	79.776	MWD+IFR1+MS
1900.000	6.000	314.761	1896.713	7.782	0.000	7.457	0.000	3.174	0.000	0.000	8.125	7.090	80.372	MWD+IFR1+MS
2000.000	6.000	314.761	1996.166	8.116	0.000	7.805	0.000	3.253	0.000	0.000	8.471	7.425	80.907	MWD+IFR1+MS
2100.000	6.000	314.761	2095.618	8.453	0.000	8.153	0.000	3.333	0.000	0.000	8.818	7.762	81.389	MWD+IFR1+MS
2200.000	6.000	314.761	2195.070	8.792	0.000	8.503	0.000	3.415	0.000	0.000	9.167	8.101	81.825	MWD+IFR1+MS
2300.000	6.000	314.761	2294.522	9.133	0.000	8.854	0.000	3.499	0.000	0.000	9.517	8.441	82.222	MWD+IFR1+MS
2400.000	6.000	314.761	2393.975	9.476	0.000	9.206	0.000	3.585	0.000	0.000	9.868	8.784	82.584	MWD+IFR1+MS
2500.000	6.000	314.761	2493.427	9.821	0.000	9.559	0.000	3.672	0.000	0.000	10.221	9.127	82.914	MWD+IFR1+MS
2600.000	6.000	314.761	2592.879	10.167	0.000	9.913	0.000	3.761	0.000	0.000	10.574	9.472	83.218	MWD+IFR1+MS
2700.000	6.000	314.761	2692.332	10.515	0.000	10.268	0.000	3.851	0.000	0.000	10.928	9.819	83.497	MWD+IFR1+MS
2800.000	6.000	314.761	2791.784	10.863	0.000	10.623	0.000	3.943	0.000	0.000	11.284	10.166	83.755	MWD+IFR1+MS
2900.000	6.000	314.761	2891.236	11.213	0.000	10.978	0.000	4.036	0.000	0.000	11.639	10.514	83.993	MWD+IFR1+MS
3000.000	6.000	314.761	2990.688	11.564	0.000	11.334	0.000	4.130	0.000	0.000	11.996	10.863	84.213	MWD+IFR1+MS

Well Plan Report

3100.000	6.000	314.761	3090.141	11.916	0.000	11.691	0.000	4.226	0.000	0.000	12.353	11.213	84.418	MWD+IFR1+MS
3200.000	6.000	314.761	3189.593	12.268	0.000	12.048	0.000	4.324	0.000	0.000	12.710	11.564	84.609	MWD+IFR1+MS
3300.000	6.000	314.761	3289.045	12.622	0.000	12.405	0.000	4.422	0.000	0.000	13.068	11.915	84.787	MWD+IFR1+MS
3400.000	6.000	314.761	3388.498	12.976	0.000	12.763	0.000	4.522	0.000	0.000	13.427	12.267	84.953	MWD+IFR1+MS
3500.000	6.000	314.761	3487.950	13.330	0.000	13.121	0.000	4.624	0.000	0.000	13.786	12.620	85.108	MWD+IFR1+MS
3600.000	6.000	314.761	3587.402	13.686	0.000	13.479	0.000	4.727	0.000	0.000	14.145	12.973	85.253	MWD+IFR1+MS
3700.000	6.000	314.761	3686.854	14.042	0.000	13.838	0.000	4.831	0.000	0.000	14.505	13.326	85.390	MWD+IFR1+MS
3800.000	6.000	314.761	3786.307	14.398	0.000	14.197	0.000	4.937	0.000	0.000	14.864	13.680	85.518	MWD+IFR1+MS
3900.000	6.000	314.761	3885.759	14.755	0.000	14.556	0.000	5.044	0.000	0.000	15.225	14.034	85.638	MWD+IFR1+MS
4000.000	6.000	314.761	3985.211	15.112	0.000	14.915	0.000	5.153	0.000	0.000	15.585	14.389	85.751	MWD+IFR1+MS
4100.000	6.000	314.761	4084.663	15.470	0.000	15.275	0.000	5.263	0.000	0.000	15.946	14.744	85.858	MWD+IFR1+MS
4200.000	6.000	314.761	4184.116	15.828	0.000	15.635	0.000	5.375	0.000	0.000	16.307	15.099	85.958	MWD+IFR1+MS
4300.000	6.000	314.761	4283.568	16.186	0.000	15.995	0.000	5.488	0.000	0.000	16.668	15.455	86.053	MWD+IFR1+MS
4400.000	6.000	314.761	4383.020	16.545	0.000	16.355	0.000	5.603	0.000	0.000	17.029	15.811	86.143	MWD+IFR1+MS
4500.000	6.000	314.761	4482.473	16.904	0.000	16.715	0.000	5.719	0.000	0.000	17.391	16.167	86.228	MWD+IFR1+MS
4600.000	6.000	314.761	4581.925	17.264	0.000	17.075	0.000	5.837	0.000	0.000	17.753	16.524	86.308	MWD+IFR1+MS
4700.000	6.000	314.761	4681.377	17.623	0.000	17.436	0.000	5.957	0.000	0.000	18.115	16.880	86.384	MWD+IFR1+MS
4800.000	6.000	314.761	4780.829	17.983	0.000	17.796	0.000	6.079	0.000	0.000	18.477	17.237	86.456	MWD+IFR1+MS
4900.000	6.000	314.761	4880.282	18.343	0.000	18.157	0.000	6.202	0.000	0.000	18.839	17.594	86.524	MWD+IFR1+MS
5000.000	6.000	314.761	4979.734	18.704	0.000	18.518	0.000	6.327	0.000	0.000	19.201	17.952	86.589	MWD+IFR1+MS
5100.000	6.000	314.761	5079.186	19.064	0.000	18.879	0.000	6.454	0.000	0.000	19.564	18.309	86.650	MWD+IFR1+MS
5200.000	6.000	314.761	5178.639	19.425	0.000	19.240	0.000	6.583	0.000	0.000	19.927	18.667	86.708	MWD+IFR1+MS
5300.000	6.000	314.761	5278.091	19.786	0.000	19.601	0.000	6.713	0.000	0.000	20.289	19.025	86.764	MWD+IFR1+MS
5400.000	6.000	314.761	5377.543	20.147	0.000	19.962	0.000	6.846	0.000	0.000	20.652	19.383	86.816	MWD+IFR1+MS
5500.000	6.000	314.761	5476.995	20.509	0.000	20.324	0.000	6.980	0.000	0.000	21.015	19.741	86.866	MWD+IFR1+MS
5600.000	6.000	314.761	5576.448	20.870	0.000	20.685	0.000	7.117	0.000	0.000	21.378	20.099	86.913	MWD+IFR1+MS
5700.000	6.000	314.761	5675.900	21.232	0.000	21.047	0.000	7.255	0.000	0.000	21.742	20.458	86.958	MWD+IFR1+MS
5800.000	6.000	314.761	5775.352	21.594	0.000	21.408	0.000	7.396	0.000	0.000	22.105	20.816	87.000	MWD+IFR1+MS
5900.000	6.000	314.761	5874.805	21.956	0.000	21.770	0.000	7.538	0.000	0.000	22.468	21.175	87.041	MWD+IFR1+MS
6000.000	6.000	314.761	5974.257	22.318	0.000	22.132	0.000	7.683	0.000	0.000	22.832	21.534	87.079	MWD+IFR1+MS
6100.000	6.000	314.761	6073.709	22.680	0.000	22.493	0.000	7.830	0.000	0.000	23.195	21.893	87.115	MWD+IFR1+MS
6200.000	6.000	314.761	6173.161	23.043	0.000	22.855	0.000	7.979	0.000	0.000	23.559	22.252	87.150	MWD+IFR1+MS
6300.000	6.000	314.761	6272.614	23.405	0.000	23.217	0.000	8.130	0.000	0.000	23.923	22.611	87.183	MWD+IFR1+MS

Well Plan Report

6400.000	6.000	314.761	6372.066	23.768	0.000	23.579	0.000	8.283	0.000	24.286	22.970	87.214	MWD+IFR1+MS
6428.663	6.000	314.761	6400.572	23.870	0.000	23.681	0.000	8.328	0.000	24.387	23.073	87.214	MWD+IFR1+MS
6500.000	4.573	314.761	6471.604	24.135	0.000	23.934	0.000	8.439	0.000	24.643	23.331	87.052	MWD+IFR1+MS
6600.000	2.573	314.761	6571.404	24.549	0.000	24.289	0.000	8.596	0.000	25.055	23.705	85.517	MWD+IFR1+MS
6700.000	0.573	314.761	6671.361	24.960	0.000	24.643	0.000	8.751	0.000	25.487	24.078	83.616	MWD+IFR1+MS
6728.639	0.000	0.000	6700.000	25.569	0.000	24.196	0.000	8.796	0.000	25.587	24.178	83.587	MWD+IFR1+MS
6800.000	0.000	0.000	6771.361	25.811	0.000	24.444	0.000	8.906	0.000	25.827	24.427	83.703	MWD+IFR1+MS
6900.000	0.000	0.000	6871.361	26.150	0.000	24.796	0.000	9.064	0.000	26.165	24.780	83.969	MWD+IFR1+MS
7000.000	0.000	0.000	6971.361	26.492	0.000	25.149	0.000	9.223	0.000	26.505	25.136	84.309	MWD+IFR1+MS
7100.000	0.000	0.000	7071.361	26.834	0.000	25.503	0.000	9.386	0.000	26.846	25.491	84.648	MWD+IFR1+MS
7200.000	0.000	0.000	7171.361	27.177	0.000	25.857	0.000	9.551	0.000	27.187	25.847	84.984	MWD+IFR1+MS
7300.000	0.000	0.000	7271.361	27.520	0.000	26.211	0.000	9.718	0.000	27.529	26.202	85.320	MWD+IFR1+MS
7400.000	0.000	0.000	7371.361	27.863	0.000	26.565	0.000	9.889	0.000	27.871	26.558	85.653	MWD+IFR1+MS
7500.000	0.000	0.000	7471.361	28.207	0.000	26.920	0.000	10.062	0.000	28.213	26.913	85.984	MWD+IFR1+MS
7600.000	0.000	0.000	7571.361	28.551	0.000	27.274	0.000	10.238	0.000	28.557	27.269	86.313	MWD+IFR1+MS
7700.000	0.000	0.000	7671.361	28.896	0.000	27.629	0.000	10.416	0.000	28.900	27.624	86.641	MWD+IFR1+MS
7800.000	0.000	0.000	7771.361	29.241	0.000	27.983	0.000	10.597	0.000	29.244	27.980	86.966	MWD+IFR1+MS
7900.000	0.000	0.000	7871.361	29.586	0.000	28.338	0.000	10.782	0.000	29.589	28.335	87.289	MWD+IFR1+MS
8000.000	0.000	0.000	7971.361	29.931	0.000	28.693	0.000	10.968	0.000	29.934	28.690	87.610	MWD+IFR1+MS
8100.000	0.000	0.000	8071.361	30.277	0.000	29.048	0.000	11.158	0.000	30.279	29.046	87.928	MWD+IFR1+MS
8200.000	0.000	0.000	8171.361	30.623	0.000	29.402	0.000	11.350	0.000	30.624	29.401	88.244	MWD+IFR1+MS
8300.000	0.000	0.000	8271.361	30.970	0.000	29.758	0.000	11.546	0.000	30.970	29.757	88.558	MWD+IFR1+MS
8400.000	0.000	0.000	8371.361	31.316	0.000	30.113	0.000	11.744	0.000	31.317	30.112	88.869	MWD+IFR1+MS
8500.000	0.000	0.000	8471.361	31.663	0.000	30.468	0.000	11.945	0.000	31.664	30.468	89.178	MWD+IFR1+MS
8600.000	0.000	0.000	8571.361	32.010	0.000	30.823	0.000	12.149	0.000	32.011	30.823	89.484	MWD+IFR1+MS
8700.000	0.000	0.000	8671.361	32.358	0.000	31.179	0.000	12.356	0.000	32.358	31.179	89.788	MWD+IFR1+MS
8800.000	0.000	0.000	8771.361	32.706	0.000	31.534	0.000	12.565	0.000	32.706	31.534	90.089	MWD+IFR1+MS
8900.000	0.000	0.000	8871.361	33.053	0.000	31.889	0.000	12.778	0.000	33.053	31.889	90.387	MWD+IFR1+MS
9000.000	0.000	0.000	8971.361	33.401	0.000	32.245	0.000	12.993	0.000	33.402	32.245	90.683	MWD+IFR1+MS
9100.000	0.000	0.000	9071.361	33.750	0.000	32.601	0.000	13.212	0.000	33.750	32.600	90.976	MWD+IFR1+MS
9200.000	0.000	0.000	9171.361	34.098	0.000	32.956	0.000	13.433	0.000	34.099	32.956	91.266	MWD+IFR1+MS
9300.000	0.000	0.000	9271.361	34.447	0.000	33.312	0.000	13.657	0.000	34.448	33.311	91.553	MWD+IFR1+MS
9409.442	0.000	0.000	9380.803	34.830	0.000	33.703	0.000	13.906	0.000	34.831	33.701	91.923	MWD+IFR1+MS

Well Plan Report

9500.000	7.245	179.929	9471.120	34.898	0.000	34.002	-0.000	14.119	0.000	0.000	35.296	34.001	91.571	MWD+IFR1+MS
9600.000	15.245	179.929	9569.121	35.336	0.000	34.310	-0.000	14.442	0.000	0.000	36.633	34.304	92.590	MWD+IFR1+MS
9700.000	23.245	179.929	9663.456	35.328	0.000	34.599	-0.000	14.958	0.000	0.000	37.925	34.589	93.031	MWD+IFR1+MS
9800.000	31.245	179.929	9752.290	34.815	0.000	34.867	-0.000	15.725	0.000	0.000	39.035	34.852	93.300	MWD+IFR1+MS
9900.000	39.245	179.929	9833.893	33.874	0.000	35.114	-0.000	16.766	0.000	0.000	39.950	35.094	93.508	MWD+IFR1+MS
10000.000	47.245	179.929	9906.677	32.609	0.000	35.338	-0.000	18.068	0.000	0.000	40.667	35.313	93.690	MWD+IFR1+MS
10100.000	55.245	179.929	9969.226	31.155	0.000	35.539	-0.000	19.590	0.000	0.000	41.192	35.510	93.851	MWD+IFR1+MS
10200.000	63.245	179.929	10020.322	29.682	0.000	35.718	-0.000	21.274	0.000	0.000	41.544	35.687	93.986	MWD+IFR1+MS
10300.000	71.245	179.929	10058.970	28.391	0.000	35.876	-0.000	23.056	0.000	0.000	41.748	35.842	94.081	MWD+IFR1+MS
10400.000	79.245	179.929	10084.419	27.499	0.000	36.011	-0.000	24.872	0.000	0.000	41.841	35.977	94.108	MWD+IFR1+MS
10500.000	87.245	179.929	10096.172	27.203	0.000	36.123	-0.000	26.663	0.000	0.000	41.865	36.091	94.033	MWD+IFR1+MS
10534.442	90.000	179.929	10097.000	26.798	0.000	36.153	-0.000	26.798	0.000	0.000	41.866	36.122	93.969	MWD+IFR1+MS
10600.000	90.000	179.929	10097.000	26.922	0.000	36.214	-0.000	26.922	0.000	0.000	41.867	36.185	93.841	MWD+IFR1+MS
10700.000	90.000	179.929	10097.000	27.094	0.000	36.328	-0.000	27.094	0.000	0.000	41.868	36.303	93.655	MWD+IFR1+MS
10800.000	90.000	179.929	10097.000	27.290	0.000	36.466	-0.000	27.290	0.000	0.000	41.870	36.443	93.476	MWD+IFR1+MS
10900.000	90.000	179.929	10097.000	27.507	0.000	36.624	-0.000	27.507	0.000	0.000	41.873	36.604	93.299	MWD+IFR1+MS
11000.000	90.000	179.929	10097.000	27.744	0.000	36.802	-0.000	27.744	0.000	0.000	41.876	36.785	93.125	MWD+IFR1+MS
11100.000	90.000	179.929	10097.000	28.002	0.000	37.000	-0.000	28.002	0.000	0.000	41.880	36.986	92.951	MWD+IFR1+MS
11200.000	90.000	179.929	10097.000	28.279	0.000	37.219	-0.000	28.279	0.000	0.000	41.885	37.206	92.774	MWD+IFR1+MS
11300.000	90.000	179.929	10097.000	28.574	0.000	37.456	-0.000	28.574	0.000	0.000	41.891	37.446	92.593	MWD+IFR1+MS
11400.000	90.000	179.929	10097.000	28.888	0.000	37.713	-0.000	28.888	0.000	0.000	41.897	37.705	92.404	MWD+IFR1+MS
11500.000	90.000	179.929	10097.000	29.220	0.000	37.989	-0.000	29.220	0.000	0.000	41.904	37.982	92.204	MWD+IFR1+MS
11600.000	90.000	179.929	10097.000	29.569	0.000	38.282	-0.000	29.569	0.000	0.000	41.911	38.278	91.986	MWD+IFR1+MS
11700.000	90.000	179.929	10097.000	29.934	0.000	38.594	-0.000	29.934	0.000	0.000	41.919	38.591	91.743	MWD+IFR1+MS
11800.000	90.000	179.929	10097.000	30.315	0.000	38.923	-0.000	30.315	0.000	0.000	41.928	38.921	91.463	MWD+IFR1+MS
11900.000	90.000	179.929	10097.000	30.712	0.000	39.269	-0.000	30.712	0.000	0.000	41.938	39.268	91.127	MWD+IFR1+MS
12000.000	90.000	179.929	10097.000	31.123	0.000	39.632	-0.000	31.123	0.000	0.000	41.948	39.631	90.705	MWD+IFR1+MS
12100.000	90.000	179.929	10097.000	31.549	0.000	40.011	-0.000	31.549	0.000	0.000	41.960	40.011	90.139	MWD+IFR1+MS
12200.000	90.000	179.929	10097.000	31.988	0.000	40.405	-0.000	31.988	0.000	0.000	41.972	40.405	89.313	MWD+IFR1+MS
12300.000	90.000	179.929	10097.000	32.440	0.000	40.815	-0.000	32.440	0.000	0.000	41.986	40.813	87.945	MWD+IFR1+MS
12400.000	90.000	179.929	10097.000	32.904	0.000	41.239	-0.000	32.904	0.000	0.000	42.003	41.234	85.137	MWD+IFR1+MS
12500.000	90.000	179.929	10097.000	33.381	0.000	41.678	-0.000	33.381	0.000	0.000	42.033	41.656	76.134	MWD+IFR1+MS
12600.000	90.000	179.929	10097.000	33.869	0.000	42.130	-0.000	33.869	0.000	0.000	42.200	41.956	32.312	MWD+IFR1+MS

Well Plan Report

12700.000	90.000	179.929	10097.000	34.368	0.000	42.596	-0.000	34.368	0.000	42.626	42.011	12.731	MWD+IFR1+MS
12800.000	90.000	179.929	10097.000	34.878	0.000	43.075	-0.000	34.878	0.000	43.098	42.033	8.414	MWD+IFR1+MS
12900.000	90.000	179.929	10097.000	35.397	0.000	43.566	-0.000	35.397	0.000	43.587	42.052	6.613	MWD+IFR1+MS
13000.000	90.000	179.929	10097.000	35.927	0.000	44.070	-0.000	35.927	0.000	44.089	42.069	5.618	MWD+IFR1+MS
13100.000	90.000	179.929	10097.000	36.465	0.000	44.585	-0.000	36.465	0.000	44.604	42.086	4.981	MWD+IFR1+MS
13200.000	90.000	179.929	10097.000	37.012	0.000	45.112	-0.000	37.012	0.000	45.131	42.104	4.531	MWD+IFR1+MS
13300.000	90.000	179.929	10097.000	37.568	0.000	45.649	-0.000	37.568	0.000	45.668	42.122	4.194	MWD+IFR1+MS
13400.000	90.000	179.929	10097.000	38.132	0.000	46.198	-0.000	38.132	0.000	46.217	42.140	3.929	MWD+IFR1+MS
13500.000	90.000	179.929	10097.000	38.703	0.000	46.756	-0.000	38.703	0.000	46.775	42.159	3.714	MWD+IFR1+MS
13600.000	90.000	179.929	10097.000	39.282	0.000	47.324	-0.000	39.282	0.000	47.343	42.178	3.534	MWD+IFR1+MS
13700.000	90.000	179.929	10097.000	39.868	0.000	47.901	-0.000	39.868	0.000	47.921	42.198	3.380	MWD+IFR1+MS
13800.000	90.000	179.929	10097.000	40.461	0.000	48.488	-0.000	40.461	0.000	48.508	42.218	3.246	MWD+IFR1+MS
13900.000	90.000	179.929	10097.000	41.060	0.000	49.083	-0.000	41.060	0.000	49.103	42.239	3.128	MWD+IFR1+MS
14000.000	90.000	179.929	10097.000	41.665	0.000	49.687	-0.000	41.665	0.000	49.707	42.261	3.023	MWD+IFR1+MS
14100.000	90.000	179.929	10097.000	42.276	0.000	50.299	-0.000	42.276	0.000	50.320	42.283	2.928	MWD+IFR1+MS
14200.000	90.000	179.929	10097.000	42.893	0.000	50.919	-0.000	42.893	0.000	50.940	42.305	2.841	MWD+IFR1+MS
14300.000	90.000	179.929	10097.000	43.515	0.000	51.547	-0.000	43.515	0.000	51.568	42.328	2.762	MWD+IFR1+MS
14400.000	90.000	179.929	10097.000	44.142	0.000	52.182	-0.000	44.142	0.000	52.203	42.352	2.689	MWD+IFR1+MS
14500.000	90.000	179.929	10097.000	44.775	0.000	52.824	-0.000	44.775	0.000	52.845	42.376	2.621	MWD+IFR1+MS
14600.000	90.000	179.929	10097.000	45.412	0.000	53.473	-0.000	45.412	0.000	53.494	42.401	2.558	MWD+IFR1+MS
14700.000	90.000	179.929	10097.000	46.054	0.000	54.128	-0.000	46.054	0.000	54.149	42.426	2.499	MWD+IFR1+MS
14800.000	90.000	179.929	10097.000	46.700	0.000	54.790	-0.000	46.700	0.000	54.811	42.451	2.444	MWD+IFR1+MS
14900.000	90.000	179.929	10097.000	47.350	0.000	55.457	-0.000	47.350	0.000	55.479	42.478	2.391	MWD+IFR1+MS
15000.000	90.000	179.929	10097.000	48.004	0.000	56.131	-0.000	48.004	0.000	56.152	42.505	2.342	MWD+IFR1+MS
15100.000	90.000	179.929	10097.000	48.662	0.000	56.810	-0.000	48.662	0.000	56.832	42.532	2.295	MWD+IFR1+MS
15200.000	90.000	179.929	10097.000	49.324	0.000	57.495	-0.000	49.324	0.000	57.516	42.560	2.251	MWD+IFR1+MS
15300.000	90.000	179.929	10097.000	49.989	0.000	58.185	-0.000	49.989	0.000	58.206	42.588	2.208	MWD+IFR1+MS
15400.000	90.000	179.929	10097.000	50.658	0.000	58.880	-0.000	50.658	0.000	58.902	42.617	2.168	MWD+IFR1+MS
15500.000	90.000	179.929	10097.000	51.330	0.000	59.580	-0.000	51.330	0.000	59.602	42.646	2.129	MWD+IFR1+MS
15600.000	90.000	179.929	10097.000	52.006	0.000	60.285	-0.000	52.006	0.000	60.306	42.676	2.092	MWD+IFR1+MS
15700.000	90.000	179.929	10097.000	52.684	0.000	60.994	-0.000	52.684	0.000	61.016	42.707	2.057	MWD+IFR1+MS
15800.000	90.000	179.929	10097.000	53.365	0.000	61.708	-0.000	53.365	0.000	61.730	42.738	2.022	MWD+IFR1+MS
15900.000	90.000	179.929	10097.000	54.049	0.000	62.426	-0.000	54.049	0.000	62.448	42.769	1.990	MWD+IFR1+MS

Well Plan Report

16000.000	90.000	179.929	10097.000	54.736	0.000	63.148	-0.000	54.736	0.000	63.170	42.801	1.958	MWD+IFR1+MS
16100.000	90.000	179.929	10097.000	55.425	0.000	63.874	-0.000	55.425	0.000	63.896	42.834	1.928	MWD+IFR1+MS
16200.000	90.000	179.929	10097.000	56.117	0.000	64.604	-0.000	56.117	0.000	64.626	42.867	1.898	MWD+IFR1+MS
16300.000	90.000	179.929	10097.000	56.811	0.000	65.338	-0.000	56.811	0.000	65.360	42.901	1.870	MWD+IFR1+MS
16400.000	90.000	179.929	10097.000	57.508	0.000	66.076	-0.000	57.508	0.000	66.097	42.935	1.842	MWD+IFR1+MS
16500.000	90.000	179.929	10097.000	58.206	0.000	66.816	-0.000	58.206	0.000	66.838	42.969	1.816	MWD+IFR1+MS
16600.000	90.000	179.929	10097.000	58.907	0.000	67.560	-0.000	58.907	0.000	67.582	43.005	1.790	MWD+IFR1+MS
16700.000	90.000	179.929	10097.000	59.611	0.000	68.308	-0.000	59.611	0.000	68.329	43.040	1.765	MWD+IFR1+MS
16800.000	90.000	179.929	10097.000	60.316	0.000	69.058	-0.000	60.316	0.000	69.080	43.076	1.741	MWD+IFR1+MS
16900.000	90.000	179.929	10097.000	61.023	0.000	69.812	-0.000	61.023	0.000	69.833	43.113	1.717	MWD+IFR1+MS
17000.000	90.000	179.929	10097.000	61.732	0.000	70.569	-0.000	61.732	0.000	70.590	43.150	1.694	MWD+IFR1+MS
17100.000	90.000	179.929	10097.000	62.442	0.000	71.328	-0.000	62.442	0.000	71.349	43.188	1.672	MWD+IFR1+MS
17200.000	90.000	179.929	10097.000	63.155	0.000	72.090	-0.000	63.155	0.000	72.111	43.226	1.651	MWD+IFR1+MS
17300.000	90.000	179.929	10097.000	63.869	0.000	72.855	-0.000	63.869	0.000	72.876	43.265	1.630	MWD+IFR1+MS
17400.000	90.000	179.929	10097.000	64.585	0.000	73.622	-0.000	64.585	0.000	73.643	43.304	1.609	MWD+IFR1+MS
17500.000	90.000	179.929	10097.000	65.302	0.000	74.392	-0.000	65.302	0.000	74.413	43.344	1.590	MWD+IFR1+MS
17600.000	90.000	179.929	10097.000	66.021	0.000	75.165	-0.000	66.021	0.000	75.185	43.384	1.570	MWD+IFR1+MS
17700.000	90.000	179.929	10097.000	66.741	0.000	75.939	-0.000	66.741	0.000	75.960	43.425	1.551	MWD+IFR1+MS
17800.000	90.000	179.929	10097.000	67.463	0.000	76.717	-0.000	67.463	0.000	76.737	43.466	1.533	MWD+IFR1+MS
17900.000	90.000	179.929	10097.000	68.187	0.000	77.496	-0.000	68.187	0.000	77.516	43.508	1.515	MWD+IFR1+MS
18000.000	90.000	179.929	10097.000	68.911	0.000	78.277	-0.000	68.911	0.000	78.297	43.550	1.497	MWD+IFR1+MS
18100.000	90.000	179.929	10097.000	69.637	0.000	79.061	-0.000	69.637	0.000	79.081	43.592	1.480	MWD+IFR1+MS
18200.000	90.000	179.929	10097.000	70.364	0.000	79.846	-0.000	70.364	0.000	79.866	43.635	1.464	MWD+IFR1+MS
18300.000	90.000	179.929	10097.000	71.093	0.000	80.634	-0.000	71.093	0.000	80.654	43.679	1.447	MWD+IFR1+MS
18400.000	90.000	179.929	10097.000	71.822	0.000	81.423	-0.000	71.822	0.000	81.443	43.723	1.431	MWD+IFR1+MS
18500.000	90.000	179.929	10097.000	72.553	0.000	82.214	-0.000	72.553	0.000	82.234	43.768	1.416	MWD+IFR1+MS
18600.000	90.000	179.929	10097.000	73.285	0.000	83.007	-0.000	73.285	0.000	83.027	43.813	1.400	MWD+IFR1+MS
18700.000	90.000	179.929	10097.000	74.018	0.000	83.802	-0.000	74.018	0.000	83.822	43.858	1.385	MWD+IFR1+MS
18800.000	90.000	179.929	10097.000	74.752	0.000	84.599	-0.000	74.752	0.000	84.618	43.905	1.371	MWD+IFR1+MS
18900.000	90.000	179.929	10097.000	75.487	0.000	85.397	-0.000	75.487	0.000	85.416	43.951	1.357	MWD+IFR1+MS
19000.000	90.000	179.929	10097.000	76.223	0.000	86.197	-0.000	76.223	0.000	86.216	43.998	1.343	MWD+IFR1+MS
19100.000	90.000	179.929	10097.000	76.960	0.000	86.998	-0.000	76.960	0.000	87.017	44.046	1.329	MWD+IFR1+MS
19200.000	90.000	179.929	10097.000	77.697	0.000	87.801	-0.000	77.697	0.000	87.820	44.093	1.315	MWD+IFR1+MS

Well Plan Report

19300.000	90.000	179.929	10097.000	78.436	0.000	88.605	-0.000	78.436	0.000	88.625	44.142	1.302	MWD+IFR1+MS
19400.000	90.000	179.929	10097.000	79.176	0.000	89.411	-0.000	79.176	0.000	89.430	44.191	1.289	MWD+IFR1+MS
19500.000	90.000	179.929	10097.000	79.916	0.000	90.218	-0.000	79.916	0.000	90.237	44.240	1.277	MWD+IFR1+MS
19600.000	90.000	179.929	10097.000	80.658	0.000	91.027	-0.000	80.658	0.000	91.046	44.290	1.264	MWD+IFR1+MS
19700.000	90.000	179.929	10097.000	81.400	0.000	91.837	-0.000	81.400	0.000	91.856	44.340	1.252	MWD+IFR1+MS
19800.000	90.000	179.929	10097.000	82.143	0.000	92.648	-0.000	82.143	0.000	92.667	44.391	1.240	MWD+IFR1+MS
19900.000	90.000	179.929	10097.000	82.887	0.000	93.461	-0.000	82.887	0.000	93.479	44.442	1.228	MWD+IFR1+MS
20000.000	90.000	179.929	10097.000	83.631	0.000	94.274	-0.000	83.631	0.000	94.293	44.494	1.217	MWD+IFR1+MS
20100.000	90.000	179.929	10097.000	84.377	0.000	95.089	-0.000	84.377	0.000	95.108	44.546	1.206	MWD+IFR1+MS
20200.000	90.000	179.929	10097.000	85.123	0.000	95.905	-0.000	85.123	0.000	95.924	44.599	1.195	MWD+IFR1+MS
20300.000	90.000	179.929	10097.000	85.869	0.000	96.722	-0.000	85.869	0.000	96.741	44.652	1.184	MWD+IFR1+MS
20400.000	90.000	179.929	10097.000	86.616	0.000	97.541	-0.000	86.616	0.000	97.559	44.705	1.173	MWD+IFR1+MS
20500.000	90.000	179.929	10097.000	87.364	0.000	98.360	-0.000	87.364	0.000	98.378	44.759	1.162	MWD+IFR1+MS
20600.000	90.000	179.929	10097.000	88.113	0.000	99.181	-0.000	88.113	0.000	99.199	44.813	1.152	MWD+IFR1+MS
20700.000	90.000	179.929	10097.000	88.862	0.000	100.002	-0.000	88.862	0.000	100.020	44.868	1.142	MWD+IFR1+MS
20800.000	90.000	179.929	10097.000	89.612	0.000	100.825	-0.000	89.612	0.000	100.842	44.924	1.132	MWD+IFR1+MS
20900.000	90.000	179.929	10097.000	90.363	0.000	101.648	-0.000	90.363	0.000	101.666	44.979	1.122	MWD+IFR1+MS
21000.000	90.000	179.929	10097.000	91.114	0.000	102.472	-0.000	91.114	0.000	102.490	45.035	1.113	MWD+IFR1+MS
21100.000	90.000	179.929	10097.000	91.865	0.000	103.298	-0.000	91.865	0.000	103.315	45.092	1.103	MWD+IFR1+MS
21200.000	90.000	179.929	10097.000	92.617	0.000	104.124	-0.000	92.617	0.000	104.141	45.149	1.094	MWD+IFR1+MS
21300.000	90.000	179.929	10097.000	93.370	0.000	104.951	-0.000	93.370	0.000	104.968	45.207	1.085	MWD+IFR1+MS
21400.000	90.000	179.929	10097.000	94.123	0.000	105.779	-0.000	94.123	0.000	105.796	45.265	1.076	MWD+IFR1+MS
21500.000	90.000	179.929	10097.000	94.877	0.000	106.608	-0.000	94.877	0.000	106.625	45.323	1.067	MWD+IFR1+MS
21600.000	90.000	179.929	10097.000	95.631	0.000	107.438	-0.000	95.631	0.000	107.455	45.382	1.058	MWD+IFR1+MS
21700.000	90.000	179.929	10097.000	96.386	0.000	108.268	-0.000	96.386	0.000	108.285	45.441	1.049	MWD+IFR1+MS
21800.000	90.000	179.929	10097.000	97.141	0.000	109.099	-0.000	97.141	0.000	109.116	45.501	1.041	MWD+IFR1+MS
21900.000	90.000	179.929	10097.000	97.897	0.000	109.931	-0.000	97.897	0.000	109.948	45.561	1.033	MWD+IFR1+MS
22000.000	90.000	179.929	10097.000	98.653	0.000	110.764	-0.000	98.653	0.000	110.781	45.621	1.024	MWD+IFR1+MS
22100.000	90.000	179.929	10097.000	99.409	0.000	111.598	-0.000	99.409	0.000	111.614	45.682	1.016	MWD+IFR1+MS
22200.000	90.000	179.929	10097.000	100.166	0.000	112.432	-0.000	100.166	0.000	112.449	45.743	1.008	MWD+IFR1+MS
22300.000	90.000	179.929	10097.000	100.924	0.000	113.267	-0.000	100.924	0.000	113.284	45.805	1.000	MWD+IFR1+MS
22400.000	90.000	179.929	10097.000	101.681	0.000	114.103	-0.000	101.681	0.000	114.119	45.867	0.993	MWD+IFR1+MS
22500.000	90.000	179.929	10097.000	102.440	0.000	114.939	-0.000	102.440	0.000	114.955	45.930	0.985	MWD+IFR1+MS

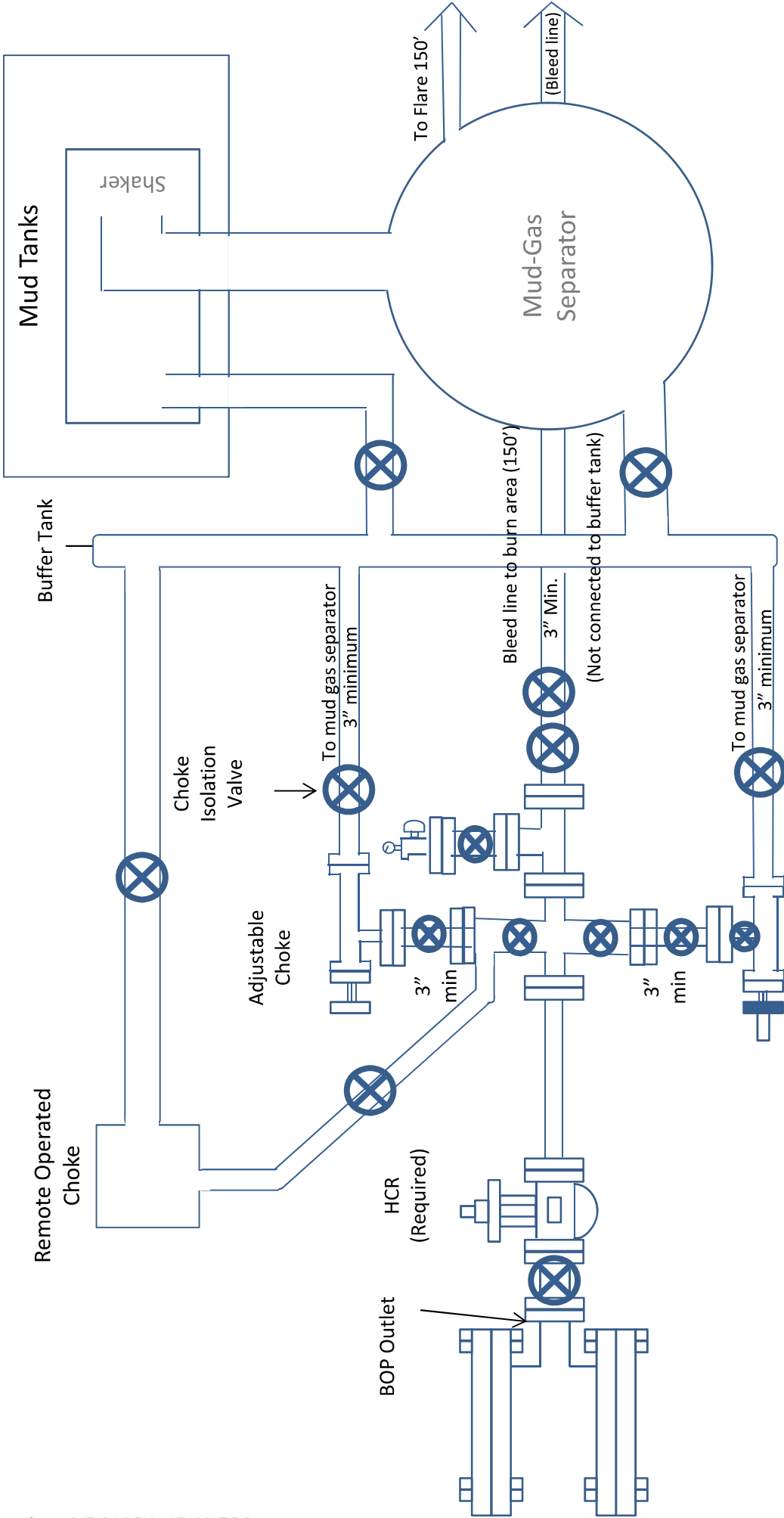
22600.000	90.000	179.929	10097.000	103.198	0.000	115.776	-0.000	103.198	0.000	115.792	45.993	0.978	MWD+IFR1+MS
22700.000	90.000	179.929	10097.000	103.957	0.000	116.614	-0.000	103.957	0.000	116.630	46.057	0.970	MWD+IFR1+MS
22800.000	90.000	179.929	10097.000	104.717	0.000	117.452	-0.000	104.717	0.000	117.468	46.120	0.963	MWD+IFR1+MS
22900.000	90.000	179.929	10097.000	105.476	0.000	118.291	-0.000	105.476	0.000	118.307	46.185	0.956	MWD+IFR1+MS
23000.000	90.000	179.929	10097.000	106.237	0.000	119.130	-0.000	106.237	0.000	119.146	46.249	0.949	MWD+IFR1+MS
23100.000	90.000	179.929	10097.000	106.997	0.000	119.970	-0.000	106.997	0.000	119.986	46.314	0.942	MWD+IFR1+MS
23200.000	90.000	179.929	10097.000	107.758	0.000	120.811	-0.000	107.758	0.000	120.827	46.380	0.935	MWD+IFR1+MS
23300.000	90.000	179.929	10097.000	108.519	0.000	121.652	-0.000	108.519	0.000	121.668	46.446	0.928	MWD+IFR1+MS
23400.000	90.000	179.929	10097.000	109.281	0.000	122.494	-0.000	109.281	0.000	122.510	46.512	0.921	MWD+IFR1+MS
23500.000	90.000	179.929	10097.000	110.042	0.000	123.336	-0.000	110.042	0.000	123.352	46.579	0.915	MWD+IFR1+MS
23600.000	90.000	179.929	10097.000	110.805	0.000	124.179	-0.000	110.805	0.000	124.195	46.646	0.908	MWD+IFR1+MS
23627.652	90.000	179.929	10097.000	111.015	0.000	124.412	-0.000	111.015	0.000	124.427	46.664	0.906	MWD+IFR1+MS
23700.000	90.000	179.929	10097.000	111.566	0.000	125.021	-0.000	111.566	0.000	125.036	46.713	0.902	MWD+IFR1+MS
23717.647	90.000	179.929	10097.000	111.700	0.000	125.169	-0.000	111.700	0.000	125.184	46.725	0.901	MWD+IFR1+MS

Plan Targets

Poker Lake Unit 30 BS 408H

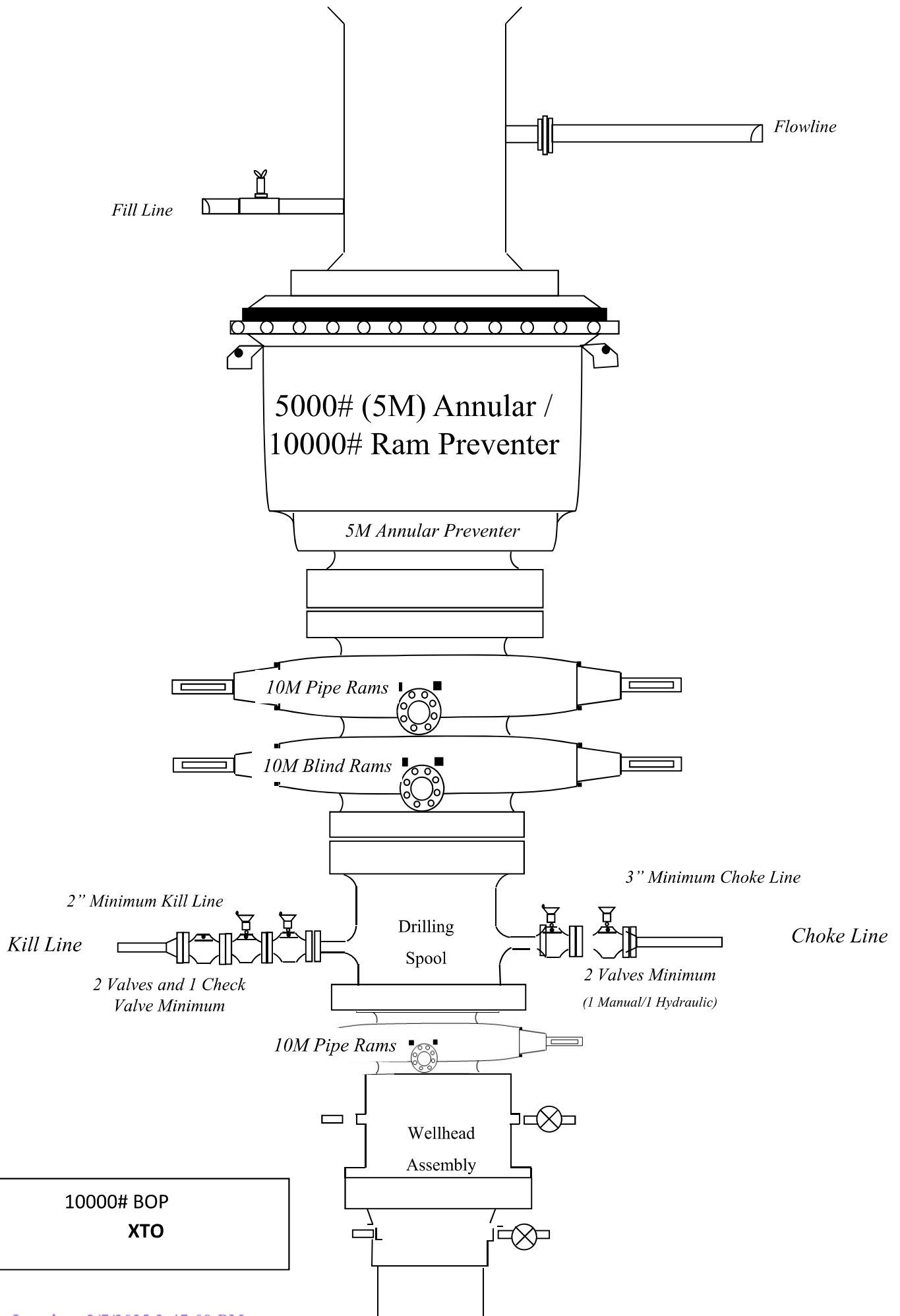
Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
FTP 8	10534.44	400799.90	661491.00	6699.00	CIRCLE
LTP 8	23627.65	387706.70	661507.20	6699.00	CIRCLE
BHL 8	23717.84	387616.70	661507.50	6699.00	CIRCLE

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



**Drilling Operations
Choke Manifold
10M Service**

10M Choke Manifold Diagram
XTO



TenarisHydril Wedge

461[®]



Coupling	Pipe Body
Grade: P110-CY	Grade: P110-CY
Body: White	1st Band: White
1st Band: Grey	2nd Band: Grey
2nd Band: -	3rd Band: -
3rd Band: -	4th Band: -
	5th Band: -
	6th Band: -

Outside Diameter	5.500 in.	Wall Thickness	0.361 in.	Grade	P110-CY
Min. Wall Thickness	87.50 %	Pipe Body Drift	API Standard	Type	Casing
Connection OD Option	REGULAR				

Pipe Body Data

Geometry		Performance	
Nominal OD	5.500 in.	Wall Thickness	0.361 in.
Nominal Weight	20.00 lb/ft	Plain End Weight	19.83 lb/ft
Drift	4.653 in.	OD Tolerance	API
Nominal ID	4.778 in.		
		Body Yield Strength	641 x1000 lb
		Min. Internal Yield Pressure	12,640 psi
		SMYS	110,000 psi
		Collapse Pressure	11,100 psi

Connection Data

Geometry		Performance		Make-Up Torques	
Connection OD	6.300 in.	Tension Efficiency	100 %	Minimum	17,000 ft-lb
Coupling Length	7.714 in.	Joint Yield Strength	641 x1000 lb	Optimum	18,000 ft-lb
Connection ID	4.778 in.	Internal Pressure Capacity	12,640 psi	Maximum	21,600 ft-lb
Make-up Loss	3.775 in.	Compression Efficiency	100 %		
Threads per inch	3.40	Compression Strength	641 x1000 lb	Operation Limit Torques	
Connection OD Option	Regular	Max. Allowable Bending	92 °/100 ft	Operating Torque	39,000 ft-lb
		External Pressure Capacity	11,100 psi	Yield Torque	46,000 ft-lb
		Coupling Face Load	290,000 lb		
				Buck-On	
				Minimum	21,600 ft-lb
				Maximum	23,100 ft-lb

Notes

This connection is fully interchangeable with:
Wedge 441® - 5.5 in. - 0.304 (17.00) / 0.361 (20.00) in. (lb/ft)
Wedge 461® - 5.5 in. - 0.304 (17.00) / 0.415 (23.00) / 0.476 (26.00) in. (lb/ft)
Connections with Dopeless® Technology are fully compatible with the same connection in its doped version.
In October 2019, TenarisHydril Wedge XP® 2.0 was renamed TenarisHydril Wedge 461™. Product dimensions and properties remain identical and both connections are fully interchangeable

For the latest performance data, always visit our website: www.tenaris.com
For further information on concepts indicated in this datasheet, download the Datasheet Manual from www.tenaris.com

Tenaris has issued this document for general information only, and the information in this document, including, without limitation, any pictures, drawings or designs ("Information") is not intended to constitute professional or any other type of advice or recommendation and is provided on an "as is" basis. No warranty is given. Tenaris has not independently verified any information –if any- provided by the user in connection with, or for the purpose of, the Information contained hereunder. The use of the Information is at user's own risk and Tenaris does not assume any responsibility or liability of any kind for any loss, damage or injury resulting from, or in connection with any Information contained hereunder or any use thereof. The Information in this document is subject to change or modification without notice. Tenaris's products and services are subject to Tenaris's standard terms and conditions or otherwise to the terms resulting from the respective contracts of sale or services, as the case may be, between petitioner and Tenaris. For more complete information please contact a Tenaris's representative or visit our website at www.tenaris.com . ©Tenaris 2024. All rights reserved.

TenarisHydril Wedge

511



Coupling	Pipe Body
Grade: L80-IC	Grade: L80-IC
Body: Red	1st Band: Red
1st Band: Brown	2nd Band: Brown
2nd Band: -	3rd Band: Pale Green
3rd Band: -	4th Band: -
	5th Band: -
	6th Band: -

Outside Diameter	7.625 in.	Wall Thickness	0.375 in.	Grade	L80-IC
Min. Wall Thickness	87.50 %	Pipe Body Drift	API Standard	Type	Casing
Connection OD Option	REGULAR				

Pipe Body Data

Geometry				Performance	
Nominal OD	7.625 in.	Wall Thickness	0.375 in.	Body Yield Strength	683 x1000 lb
Nominal Weight	29.70 lb/ft	Plain End Weight	29.06 lb/ft	Min. Internal Yield Pressure	6890 psi
Drift	6.750 in.	OD Tolerance	API	SMYS	80,000 psi
Nominal ID	6.875 in.			Collapse Pressure	5900 psi

Connection Data

Geometry		Performance		Make-Up Torques	
Connection OD	7.625 in.	Tension Efficiency	61.10 %	Minimum	5900 ft-lb
Connection ID	6.787 in.	Joint Yield Strength	417 x1000 lb	Optimum	7100 ft-lb
Make-up Loss	3.704 in.	Internal Pressure Capacity	6890 psi	Maximum	10,300 ft-lb
Threads per inch	3.28	Compression Efficiency	73.80 %	Operation Limit Torques	
Connection OD Option	Regular	Compression Strength	504 x1000 lb	Operating Torque	35,000 ft-lb
		Max. Allowable Bending	29.33 °/100 ft	Yield Torque	52,000 ft-lb
		External Pressure Capacity	5900 psi		

Notes

For the latest performance data, always visit our website: www.tenaris.com
For further information on concepts indicated in this datasheet, download the Datasheet Manual from www.tenaris.com

Tenaris has issued this document for general information only, and the information in this document, including, without limitation, any pictures, drawings or designs ("Information") is not intended to constitute professional or any other type of advice or recommendation and is provided on an "as is" basis. No warranty is given. Tenaris has not independently verified any information –if any– provided by the user in connection with, or for the purpose of, the Information contained hereunder. The use of the Information is at user's own risk and Tenaris does not assume any responsibility or liability of any kind for any loss, damage or injury resulting from, or in connection with any Information contained hereunder or any use thereof. The Information in this document is subject to change or modification without notice. Tenaris's products and services are subject to Tenaris's standard terms and conditions or otherwise to the terms resulting from the respective contracts of sale or services, as the case may be, between petitioner and Tenaris. For more complete information please contact a Tenaris's representative or visit our website at www.tenaris.com . ©Tenaris 2024. All rights reserved.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 427309

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 427309
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Any previous COA's not addressed within the updated COA's still apply.	2/7/2025