

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: 2830605

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 01/07/2025

Time Sundry Submitted: 04:26

Date proposed operation will begin: 01/22/2025

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 30-015-55945 FROM: TO: KOP: 2435' FNL & 599' FEL OF SECTION 30-T25S-R31E 2039' FNL & 335' FEL OF SECTION 30-T25S-R31E FTP: 2435' FNL & 330' FEL OF SECTION 30-T25S-R31E 2558' FSL & 330' FEL OF SECTION 30-T25S-R31E LTP: 100' FSL & 330' FEL OF SECTION 6-T26S-R31E 100' FSL & 330' FEL OF SECTION 6-T26S-R31E BHL: 50' FSL & 330' FEL OF SECTION 6-T26S-R31E 10' FSL & 330' FEL OF SECTION 6-T26S-R31E The proposed total depth is changing from 24708' MD; 10895' TVD to 24286' MD; 10674' TVD. Pool Code is changing FROM 97975 / WC-015 G-06 S243119C; Bone Spring 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. The Well type remains Producing, but the Hole size has been increased due to the addition of Monitoring Equipment. Attachments: C-102, Drilling Program, Directional Drilling Plan, Choke Manifold Diagram, BOP Diagram, Non-API Spec documents for Production Casing, Multi-Bowl System diagram, Flex Hose Variance, Spudder Rig Request.

NOI Attachments**Procedure Description**

Sundry_Attachments_PLU_30_BS_410H_20250107162408.pdf

US Well Number:

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

PLU_30_BS_410H_COA_20250131073926.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 04:24 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/410H

9. API Well No.

10. Field and Pool or Exploratory Area
WC-015 G-06 S243119C/BONE SPRING

11. Country or Parish, State
EDDY/NM

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

TYPE OF SUBMISSION	TYPE OF ACTION				
☒ 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 recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

XTO Permian Operating, LLC. respectfully requests approval to make the following changes to the approved APD. Changes to include 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 30-015-55945

FROM: TO:

KOP: 2435' FNL & 599 FEL OF SECTION 30-T25S-R31E 2039 FNL & 335 FEL OF SECTION 30-T25S-R31E

FTP: 2435' FNL & 330 FEL OF SECTION 30-T25S-R31E 2558' FSL & 330' FEL OF SECTION 30-T25S-R31E

LTP: 100' FSL & 330 FEL OF SECTION 6-T26S-R31E 100' FSL & 330' FEL OF SECTION 6-T26S-R31E

BHL: 50' FSL & 330 FEL OF SECTION 6-T26S-R31E 10' FSL & 330' FEL OF SECTION 6-T26S-R31E

The proposed total depth is changing from 24708 MD; 10895 TVD to 24286 MD; 10674 TVD.

Pool Code is changing FROM 97975 / WC-015 G-06 S243119C; Bone Spring TO 97913 / WILDCAT G-06 S253002O; BONE SPRING

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

Signature (Electronic Submission)

Title **Regulatory Clerk**

Date **01/07/2025**

THE SPACE FOR FEDERAL OR STATE OFFICE USE

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

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.

Title **Petroleum Engineer**

Office **CARLSBAD**

Date **01/31/2025**

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

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. The Well type remains Producing, but the Hole size has been increased due to the addition of Monitoring Equipment.

Attachments: C-102, Drilling Program, Directional Drilling Plan, Choke Manifold Diagram, BOP Diagram, Non-API Spec documents for Production Casing, Multi-Bowl System diagram, Flex Hose Variance, Spudder Rig Request.

Location of Well

0. SHL: SENE / 2435 FNL / 599 FEL / TWSP: 25S / RANGE: 31E / SECTION: 30 / LAT: 32.101851 / LONG: -103.810823 (TVD: 0 feet, MD: 0 feet)

PPP: NESE / 2655 FNL / 330 FEL / TWSP: 25S / RANGE: 31E / SECTION: 30 / LAT: 32.101248 / LONG: -103.809955 (TVD: 10895 feet, MD: 11900 feet)

PPP: NESE / 2656 FNL / 314 FEL / TWSP: 25S / RANGE: 31E / SECTION: 31 / LAT: 32.08664 / LONG: -103.809982 (TVD: 10895 feet, MD: 14500 feet)

PPP: SENE / 2435 FNL / 330 FEL / TWSP: 25S / RANGE: 31E / SECTION: 30 / LAT: 32.101853 / LONG: -103.809954 (TVD: 10895 feet, MD: 11300 feet)

BHL: SESE / 50 FSL / 330 FEL / TWSP: 26S / RANGE: 31E / SECTION: 6 / LAT: 32.064846 / LONG: -103.810022 (TVD: 10895 feet, MD: 24708 feet)

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO
LEASE NO.:	NMNM157756A
LOCATION:	Sec. 30, T.25 S, R 31 E
COUNTY:	Eddy County, New Mexico ▼
WELL NAME & NO.:	Poker Lake Unit 30 BS 410H
SURFACE HOLE FOOTAGE:	2435'/N & 599'/E
BOTTOM HOLE FOOTAGE:	10'/S & 330'/E

*Changes approved through engineering via **Sundry 2830605** 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 13-3/8 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 **9-5/8** inch intermediate casing is: Operator has proposed to cement in two stages by conventionally cementing the first stage and performing a bradenhead squeeze on the second stage, contingent upon no returns to surface.
- a. **First stage:** Operator will cement with intent to reach the top of the **Brushy Canyon at 6777'**.
 - 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 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)**

WIPP Requirements

The proposed surface well or bottom hole is located within 330 feet of the WIPP Land Withdrawal Area boundary. As a result, the operator is required to submit daily drilling reports, logs and deviation survey information to the Bureau of Land Management Engineering Department and the U.S. Department of Energy per requirements of the Joint Powers Agreement until a total vertical depth of 7,000 feet is reached. These reports will have at a minimum, the depth of any excess mud returns (brine flows), the rate of penetration and a clearly marked section showing the deviation for each 500-foot interval. Operator may be required to do more frequent deviation surveys based on the daily information submitted and may be required to take other corrective measures. Information will also be provided to the New Mexico Oil Conservation Division after drilling activities have been completed. Upon completion of the

well, the operator shall submit a complete directional survey. Any future entry into the well for purposes of completing additional drilling will require supplemental information.

Any oil and gas well operator drilling within one mile of the WIPP Boundary must notify WIPP as soon as possible if any of the following conditions are encountered during oil and gas operations: R-111-Q Amendment - Notification to Operators (Potash)

- a) Indication of any well collision event,
- b) Suspected well fluid flow (oil, gas, or produced water) outside of casing,
- c) Sustained annulus pressure between the 1st intermediate and next innermost casing string in excess of 500 psi above the baseline pressure of the well, or above 1500 psi total,
- d) Increasing pressure buildup rates (psi/day) across multiple successive bleed-off cycles on the annulus between the 1st intermediate and next innermost casing during well production, or
- e) Sustained losses in excess of 50% through the salt formation during drilling.

The operator can email the required information to OilGasReports@wipp.ws. Attached files must not be greater than 20 MB. Call WIPP Tech Support at 575-234-7422, during the hours 7:00am to 4:30pm, if there are any issues sending to this address.

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 410H
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 599' FEL	Latitude 32.101852	Longitude -103.810823	County EDDY
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Bottom Hole Location

UL P	Section 6	Township 26 S	Range 31 E	Lot	Ft. from N/S 10' FSL	Ft. from E/W 330' FEL	Latitude 32.064736	Longitude -103.810022	County EDDY
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Dedicated Acres 400	Infill or Defining Well INFILL	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 2,039' FNL	Ft. from E/W 335' FEL	Latitude 32.102941	Longitude -103.809959	County EDDY
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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 330' FEL	Latitude 32.100973	Longitude -103.809962	County EDDY
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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 330' FEL	Latitude 32.064983	Longitude -103.810023	County EDDY
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Unitized Area or Area of Uniform Interest NMNM-071016X	Spacing Unit Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation: 3,366'
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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

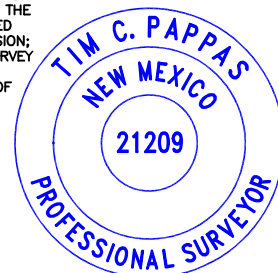
Email Address

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.

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	33° 43'43"	478.30'
L2	179° 48'38"	716.24'
L3	179° 48'09"	13,182.35'

COORDINATE TABLE

SHL (NAD 83 NME)						LTP (NAD 83 NME)					
Y =	401,182.2	N	Y =	387,771.5	N	Y =	401,182.2	N	Y =	387,771.5	N
X =	703,131.2	E	X =	703,444.0	E	X =	703,131.2	E	X =	703,444.0	E
LAT. =	32.101852	°N	LAT. =	32.064983	°N	LAT. =	32.101852	°N	LAT. =	32.064983	°N
LONG. =	103.810823	°W	LONG. =	103.810023	°W	LONG. =	103.810823	°W	LONG. =	103.810023	°W
KOP (NAD 83 NME)						BHL (NAD 83 NME)					
Y =	401,580.0	N	Y =	387,681.5	N	Y =	401,580.0	N	Y =	387,681.5	N
X =	703,396.8	E	X =	703,444.6	E	X =	703,396.8	E	X =	703,444.6	E
LAT. =	32.102941	°N	LAT. =	32.064736	°N	LAT. =	32.102941	°N	LAT. =	32.064736	°N
LONG. =	103.809959	°W	LONG. =	103.810022	°W	LONG. =	103.809959	°W	LONG. =	103.810022	°W
FTP (NAD 83 NME)						SHL (NAD 27 NME)					
Y =	400,863.8	N	Y =	387,713.9	N	Y =	401,124.3	N	Y =	387,713.9	N
X =	703,399.2	E	X =	662,257.9	E	X =	661,945.6	E	X =	662,257.9	E
LAT. =	32.100973	°N	LAT. =	32.064859	°N	LAT. =	32.101727	°N	LAT. =	32.064859	°N
LONG. =	103.809962	°W	LONG. =	103.809546	°W	LONG. =	103.810344	°W	LONG. =	103.809546	°W
KOP (NAD 27 NME)						BHL (NAD 27 NME)					
Y =	401,522.1	N	Y =	387,623.9	N	Y =	401,522.1	N	Y =	387,623.9	N
X =	662,211.2	E	X =	662,258.5	E	X =	662,211.2	E	X =	662,258.5	E
LAT. =	32.102817	°N	LAT. =	32.064611	°N	LAT. =	32.102817	°N	LAT. =	32.064611	°N
LONG. =	103.809480	°W	LONG. =	103.809545	°W	LONG. =	103.809480	°W	LONG. =	103.809545	°W
FTP (NAD 27 NME)						PPP #1 (NAD 83 NME)					
Y =	400,805.9	N	Y =	398,247.8	N	Y =	398,305.6	N	Y =	398,247.8	N
X =	662,213.6	E	X =	662,222.2	E	X =	703,407.9	E	X =	662,222.2	E
LAT. =	32.100848	°N	LAT. =	32.093816	°N	LAT. =	32.093941	°N	LAT. =	32.093816	°N
LONG. =	103.809484	°W	LONG. =	103.809496	°W	LONG. =	103.809974	°W	LONG. =	103.809496	°W
PPP #2 (NAD 83 NME)						PPP #2 (NAD 27 NME)					
Y =	395,649.8	N	Y =	395,592.0	N	Y =	395,649.8	N	Y =	395,592.0	N
X =	703,417.0	E	X =	662,231.2	E	X =	703,417.0	E	X =	662,231.2	E
LAT. =	32.086640	°N	LAT. =	32.086515	°N	LAT. =	32.086640	°N	LAT. =	32.086515	°N
LONG. =	103.809986	°W	LONG. =	103.809509	°W	LONG. =	103.809986	°W	LONG. =	103.809509	°W
PPP #3 (NAD 83 NME)						PPP #3 (NAD 27 NME)					
Y =	392,993.7	N	Y =	392,936.0	N	Y =	392,993.7	N	Y =	392,936.0	N
X =	703,426.1	E	X =	662,240.2	E	X =	703,426.1	E	X =	662,240.2	E
LAT. =	32.079339	°N	LAT. =	32.079214	°N	LAT. =	32.079339	°N	LAT. =	32.079214	°N
LONG. =	103.809999	°W	LONG. =	103.809521	°W	LONG. =	103.809999	°W	LONG. =	103.809521	°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 410H
Projected TD: 24286' MD / 10674' TVD
SHL: 2435' FNL & 599' FEL , Section 30, T25S, R31E
BHL: 10' FSL & 330' 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	864'	Water
Salado	1271'	Water
Base of Salt	3979'	Water
Delaware	4190'	Water/Oil/Gas
Cherry Canyon	5142'	Water/Oil/Gas
Brushy Canyon	6777'	Water/Oil/Gas
Basal Brushy Canyon	7852'	Water/Oil/Gas
Bone Spring Lm.	8063'	Water/Oil/Gas
Avalon	8201'	Water/Oil/Gas
Lower Avalon	8526'	Water/Oil/Gas
1st Bone Spring Lime	8902'	Water/Oil/Gas
1st Bone Spring Sand	9032'	Water/Oil/Gas
2nd Bone Spring Shale	9297'	Water/Oil/Gas
2nd Bone Spring Lime	9500'	Water/Oil/Gas
2nd Bone Spring Sand	9710'	Water/Oil/Gas
2nd Bone Spring T/B Carb	10012'	Water/Oil/Gas
3rd Bone Spring Lime	10185'	Water/Oil/Gas
Harkey	10532'	Water/Oil/Gas
3rd Bone Spring Shale	10602'	Water/Oil/Gas
3rd Shale Landing	10674'	Water/Oil/Gas
3rd Bone Spring Sand	10995'	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 13-3/8" inch casing at 1246' 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
17.5	0' – 1246'	1246'	13-3/8"	54.5	J55	BTC ERW	New	7.17	2.09	5.37
12.25	0' – 4000'	3989'	9-5/8"	40	P110-IC	BTC	New	3.36	2.01	2.01
12.25	4000' – 9779'	9758'	9-5/8"	40	L80-IC	BTC	New	2.45	1.83	1.46
8.75	0' – 24286'	10674'	5-1/2"	20	P110-CY	Tenaris Wedge 461	New	1.18	2.40	1.71

Section 3 Summary:

XTO will keep casing fluid filled to meet BLM's collapse requirement.
The planned kick off point is located at: 9979' MD / 9958' TVD.

Wellhead:

A conventional spool-type wellhead system will be utilized. The well design chosen is: 3-String Big 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 (ft ³ /sack)	TOC (ft)	Casing Setting Depth (MD)	Excess (%)	Slurry Description
Surface 1	Lead	623	12.4	2.11	0	1246	100%	Surface Class C Lead Cement
Surface 1	Tail	313	14.8	1.33	946	1246	100%	Surface Class C Tail Cement
Intermediate 1	Lead							
Intermediate 1	Tail							
Intermediate 1	Lead				0			
Intermediate 1	Tail	562	14.8	1.45	7852	9779	35%	Intermediate Class C Tail Cement
Production 1	Lead							
Production 1	Tail	3422	13.2	1.44	9279	24286	30%	Production Class C Tail Cement
Remedial Cementing								
Casing	Slurry Type	No. Sacks	Density (ppg)	Yield (ft ³ /sack)	Cemented Interval	Excess (%)	Slurry Description	
Intermediate 1	Bradenhead Squeeze	2544	14.8	1.45	0 - 7852'	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	Viscosity	Fluid Loss	Comments
			(ppg)	(sec/qt)	(cc)	
0' – 1246'	17.5"	FW/Native	8.3 – 8.7	35-40	NC	Fresh Water or Native Water
1246' – 4000'	12.25"	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.
4000' – 9779'	12.25"	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.
9779' – 24286'	8.75"	OBM	9 – 10.7	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 13-3/8" 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 171F to 191F. 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 410H

Measured Depth:	24285.91 ft	Site:	B
TVD RKB:	10674.00 ft	Slot:	Poker Lake Unit 30 BS 410H
Location			
Cartographic Reference System:	New Mexico East - NAD 27		
Northing:	401124.30 ft		
Easting:	661945.60 ft		
RKB:	3398.00 ft		
Ground Level:	3366.00 ft		
North Reference:	Grid		
Convergence Angle:	0.28 Deg		

Plan Sections									
Poker Lake Unit 30 BS 410H									
Measured		TVD		Build		Turn		Dogleg	
Depth	(ft)	Inclination	Azimuth	RKB	(ft)	X Offset	Y Offset	Rate	Rate
		(Deg)	(Deg)			(ft)	(ft)	(Deg/100ft)	(Deg/100ft)
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	0.00	1100.00	0.00	0.00	0.00	0.00	0.00
1355.72	5.11	33.73	1355.38	9.49	6.33	259.24	0.00	0.00	2.00
6465.30	5.11	33.73	6444.62	388.31	265.58	397.79	0.00	0.00	0.00
6721.02	0.00	0.00	6700.00	397.79	265.58	397.79	-2.00	0.00	2.00
9978.82	0.00	0.00	9957.80	397.79	265.58	397.79	0.00	0.00	0.00
11103.82	90.00	179.81	10674.00	-318.40	268.00	312.30	8.00	0.00	8.00
24195.90	90.00	179.81	10674.00	-13410.40	312.30	312.60	0.00	0.00	0.00
24285.91	90.00	179.81	10674.00	-13500.41	312.60		0.00	0.00	0.00

Position Uncertainty									
Poker Lake Unit 30 BS 410H									
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)	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	MWD+IFR1+MS
100.000	0.000	0.000	100.000	0.700	0.000	0.350	0.000	2.300	0.000	0.751	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	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	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	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	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	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	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	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	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	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	4.752	3.849	128.859	MWD+IFR1+MS
1200.000	2.000	33.728	1199.980	5.282	0.000	4.228	0.000	2.691	0.000	5.299	4.210	130.638	MWD+IFR1+MS
1300.000	4.000	33.728	1299.838	6.033	0.000	4.618	0.000	2.751	0.000	6.077	4.572	133.068	MWD+IFR1+MS
1355.718	5.114	33.728	1355.379	6.260	0.000	4.818	0.000	2.783	0.000	6.315	4.770	133.231	MWD+IFR1+MS
1400.000	5.114	33.728	1399.484	6.391	0.000	4.974	0.000	2.810	0.000	6.445	4.927	133.193	MWD+IFR1+MS
1500.000	5.114	33.728	1499.086	6.685	0.000	5.341	0.000	2.876	0.000	6.739	5.294	133.500	MWD+IFR1+MS
1600.000	5.114	33.728	1598.688	6.998	0.000	5.723	0.000	2.945	0.000	7.056	5.671	134.323	MWD+IFR1+MS
1700.000	5.114	33.728	1698.290	7.316	0.000	6.102	0.000	3.016	0.000	7.377	6.044	-44.884	MWD+IFR1+MS
1800.000	5.114	33.728	1797.892	7.638	0.000	6.479	0.000	3.090	0.000	7.703	6.416	-44.120	MWD+IFR1+MS
1900.000	5.114	33.728	1897.494	7.963	0.000	6.854	0.000	3.166	0.000	8.032	6.787	-43.387	MWD+IFR1+MS
2000.000	5.114	33.728	1997.096	8.292	0.000	7.228	0.000	3.243	0.000	8.364	7.156	-42.683	MWD+IFR1+MS
2100.000	5.114	33.728	2096.697	8.624	0.000	7.601	0.000	3.323	0.000	8.698	7.524	-42.009	MWD+IFR1+MS
2200.000	5.114	33.728	2196.299	8.958	0.000	7.972	0.000	3.404	0.000	9.036	7.891	-41.362	MWD+IFR1+MS
2300.000	5.114	33.728	2295.901	9.294	0.000	8.343	0.000	3.487	0.000	9.375	8.258	-40.743	MWD+IFR1+MS
2400.000	5.114	33.728	2395.503	9.632	0.000	8.713	0.000	3.572	0.000	9.716	8.624	-40.150	MWD+IFR1+MS
2500.000	5.114	33.728	2495.105	9.973	0.000	9.082	0.000	3.658	0.000	10.059	8.989	-39.584	MWD+IFR1+MS
2600.000	5.114	33.728	2594.707	10.314	0.000	9.451	0.000	3.746	0.000	10.403	9.354	-39.042	MWD+IFR1+MS
2700.000	5.114	33.728	2694.309	10.658	0.000	9.819	0.000	3.835	0.000	10.749	9.718	-38.525	MWD+IFR1+MS
2800.000	5.114	33.728	2793.911	11.002	0.000	10.186	0.000	3.926	0.000	11.095	10.083	-38.031	MWD+IFR1+MS
2900.000	5.114	33.728	2893.512	11.348	0.000	10.553	0.000	4.018	0.000	11.443	10.447	-37.559	MWD+IFR1+MS

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3000.000	5.114	33.728	2993.114	11.695	0.000	10.920	0.000	4.111	0.000	11.792	10.810	-37.108	MWD+IFR1+MS
3100.000	5.114	33.728	3092.716	12.043	0.000	11.287	0.000	4.206	0.000	12.142	11.174	-36.678	MWD+IFR1+MS
3200.000	5.114	33.728	3192.318	12.392	0.000	11.653	0.000	4.302	0.000	12.492	11.537	-36.268	MWD+IFR1+MS
3300.000	5.114	33.728	3291.920	12.742	0.000	12.019	0.000	4.400	0.000	12.843	11.900	-35.876	MWD+IFR1+MS
3400.000	5.114	33.728	3391.522	13.092	0.000	12.384	0.000	4.499	0.000	13.195	12.263	-35.502	MWD+IFR1+MS
3500.000	5.114	33.728	3491.124	13.443	0.000	12.749	0.000	4.599	0.000	13.547	12.626	-35.146	MWD+IFR1+MS
3600.000	5.114	33.728	3590.726	13.795	0.000	13.114	0.000	4.700	0.000	13.900	12.989	-34.806	MWD+IFR1+MS
3700.000	5.114	33.728	3690.327	14.148	0.000	13.479	0.000	4.803	0.000	14.254	13.351	-34.481	MWD+IFR1+MS
3800.000	5.114	33.728	3789.929	14.501	0.000	13.844	0.000	4.908	0.000	14.608	13.714	-34.172	MWD+IFR1+MS
3900.000	5.114	33.728	3889.531	14.854	0.000	14.209	0.000	5.014	0.000	14.962	14.077	-33.877	MWD+IFR1+MS
4000.000	5.114	33.728	3989.133	15.208	0.000	14.573	0.000	5.121	0.000	15.317	14.439	-33.596	MWD+IFR1+MS
4100.000	5.114	33.728	4088.735	15.563	0.000	14.937	0.000	5.230	0.000	15.672	14.802	-33.327	MWD+IFR1+MS
4200.000	5.114	33.728	4188.337	15.918	0.000	15.301	0.000	5.341	0.000	16.027	15.164	-33.072	MWD+IFR1+MS
4300.000	5.114	33.728	4287.939	16.273	0.000	15.665	0.000	5.453	0.000	16.383	15.526	-32.828	MWD+IFR1+MS
4400.000	5.114	33.728	4387.541	16.629	0.000	16.029	0.000	5.566	0.000	16.739	15.889	-32.596	MWD+IFR1+MS
4500.000	5.114	33.728	4487.142	16.985	0.000	16.393	0.000	5.681	0.000	17.095	16.251	-32.375	MWD+IFR1+MS
4600.000	5.114	33.728	4586.744	17.341	0.000	16.756	0.000	5.798	0.000	17.451	16.614	-32.164	MWD+IFR1+MS
4700.000	5.114	33.728	4686.346	17.698	0.000	17.120	0.000	5.917	0.000	17.808	16.976	-31.963	MWD+IFR1+MS
4800.000	5.114	33.728	4785.948	18.055	0.000	17.483	0.000	6.037	0.000	18.165	17.338	-31.772	MWD+IFR1+MS
4900.000	5.114	33.728	4885.550	18.412	0.000	17.846	0.000	6.159	0.000	18.522	17.701	-31.591	MWD+IFR1+MS
5000.000	5.114	33.728	4985.152	18.770	0.000	18.210	0.000	6.283	0.000	18.879	18.063	-31.418	MWD+IFR1+MS
5100.000	5.114	33.728	5084.754	19.128	0.000	18.573	0.000	6.409	0.000	19.237	18.425	-31.254	MWD+IFR1+MS
5200.000	5.114	33.728	5184.356	19.486	0.000	18.936	0.000	6.536	0.000	19.594	18.787	-31.098	MWD+IFR1+MS
5300.000	5.114	33.728	5283.957	19.844	0.000	19.299	0.000	6.666	0.000	19.952	19.150	-30.949	MWD+IFR1+MS
5400.000	5.114	33.728	5383.559	20.202	0.000	19.662	0.000	6.797	0.000	20.310	19.512	-30.809	MWD+IFR1+MS
5500.000	5.114	33.728	5483.161	20.561	0.000	20.025	0.000	6.930	0.000	20.668	19.874	-30.676	MWD+IFR1+MS
5600.000	5.114	33.728	5582.763	20.920	0.000	20.388	0.000	7.066	0.000	21.026	20.237	-30.549	MWD+IFR1+MS
5700.000	5.114	33.728	5682.365	21.279	0.000	20.751	0.000	7.203	0.000	21.385	20.599	-30.430	MWD+IFR1+MS
5800.000	5.114	33.728	5781.967	21.638	0.000	21.113	0.000	7.343	0.000	21.743	20.961	-30.317	MWD+IFR1+MS
5900.000	5.114	33.728	5881.569	21.997	0.000	21.476	0.000	7.484	0.000	22.102	21.324	-30.210	MWD+IFR1+MS
6000.000	5.114	33.728	5981.171	22.357	0.000	21.839	0.000	7.628	0.000	22.460	21.686	-30.109	MWD+IFR1+MS
6100.000	5.114	33.728	6080.772	22.717	0.000	22.201	0.000	7.774	0.000	22.819	22.048	-30.015	MWD+IFR1+MS
6200.000	5.114	33.728	6180.374	23.076	0.000	22.564	0.000	7.922	0.000	23.178	22.411	-29.925	MWD+IFR1+MS

6300.000	5.114	33.728	6279.976	23.436	0.000	22.926	0.000	8.072	0.000	23.537	22.773	-29.842	MWD+IFR1+MS
6400.000	5.114	33.728	6379.578	23.796	0.000	23.289	0.000	8.225	0.000	23.896	23.135	-29.763	MWD+IFR1+MS
6465.303	5.114	33.728	6444.621	24.029	0.000	23.523	0.000	8.326	0.000	24.125	23.372	-29.841	MWD+IFR1+MS
6500.000	4.420	33.728	6479.198	24.155	0.000	23.646	0.000	8.380	0.000	24.246	23.496	-29.933	MWD+IFR1+MS
6600.000	2.420	33.728	6579.015	24.546	0.000	24.002	0.000	8.536	0.000	24.642	23.856	-30.962	MWD+IFR1+MS
6700.000	0.420	33.728	6678.979	24.965	0.000	24.359	0.000	8.693	0.000	25.095	24.214	-32.560	MWD+IFR1+MS
6721.021	0.000	0.000	6700.000	24.547	0.000	24.915	0.000	8.725	0.000	25.167	24.288	-32.624	MWD+IFR1+MS
6800.000	0.000	0.000	6778.979	24.825	0.000	25.183	0.000	8.849	0.000	25.436	24.566	-32.848	MWD+IFR1+MS
6900.000	0.000	0.000	6878.979	25.180	0.000	25.527	0.000	9.007	0.000	25.783	24.918	-33.157	MWD+IFR1+MS
7000.000	0.000	0.000	6978.979	25.536	0.000	25.873	0.000	9.169	0.000	26.133	25.270	-33.497	MWD+IFR1+MS
7100.000	0.000	0.000	7078.979	25.892	0.000	26.220	0.000	9.332	0.000	26.483	25.623	-33.829	MWD+IFR1+MS
7200.000	0.000	0.000	7178.979	26.249	0.000	26.566	0.000	9.499	0.000	26.834	25.975	-34.154	MWD+IFR1+MS
7300.000	0.000	0.000	7278.979	26.605	0.000	26.913	0.000	9.668	0.000	27.185	26.327	-34.471	MWD+IFR1+MS
7400.000	0.000	0.000	7378.979	26.961	0.000	27.260	0.000	9.839	0.000	27.536	26.680	-34.782	MWD+IFR1+MS
7500.000	0.000	0.000	7478.979	27.318	0.000	27.608	0.000	10.014	0.000	27.887	27.033	-35.085	MWD+IFR1+MS
7600.000	0.000	0.000	7578.979	27.674	0.000	27.956	0.000	10.191	0.000	28.239	27.385	-35.382	MWD+IFR1+MS
7700.000	0.000	0.000	7678.979	28.031	0.000	28.304	0.000	10.370	0.000	28.591	27.738	-35.671	MWD+IFR1+MS
7800.000	0.000	0.000	7778.979	28.388	0.000	28.652	0.000	10.553	0.000	28.943	28.091	-35.955	MWD+IFR1+MS
7900.000	0.000	0.000	7878.979	28.744	0.000	29.001	0.000	10.738	0.000	29.295	28.444	-36.232	MWD+IFR1+MS
8000.000	0.000	0.000	7978.979	29.101	0.000	29.349	0.000	10.926	0.000	29.647	28.797	-36.503	MWD+IFR1+MS
8100.000	0.000	0.000	8078.979	29.458	0.000	29.698	0.000	11.117	0.000	30.000	29.151	-36.768	MWD+IFR1+MS
8200.000	0.000	0.000	8178.979	29.814	0.000	30.048	0.000	11.310	0.000	30.353	29.504	-37.027	MWD+IFR1+MS
8300.000	0.000	0.000	8278.979	30.171	0.000	30.397	0.000	11.507	0.000	30.705	29.857	-37.280	MWD+IFR1+MS
8400.000	0.000	0.000	8378.979	30.528	0.000	30.747	0.000	11.706	0.000	31.059	30.211	-37.528	MWD+IFR1+MS
8500.000	0.000	0.000	8478.979	30.885	0.000	31.097	0.000	11.908	0.000	31.412	30.564	-37.770	MWD+IFR1+MS
8600.000	0.000	0.000	8578.979	31.242	0.000	31.447	0.000	12.113	0.000	31.765	30.918	-38.007	MWD+IFR1+MS
8700.000	0.000	0.000	8678.979	31.599	0.000	31.797	0.000	12.321	0.000	32.119	31.272	-38.239	MWD+IFR1+MS
8800.000	0.000	0.000	8778.979	31.956	0.000	32.147	0.000	12.531	0.000	32.472	31.626	-38.466	MWD+IFR1+MS
8900.000	0.000	0.000	8878.979	32.313	0.000	32.498	0.000	12.745	0.000	32.826	31.980	-38.688	MWD+IFR1+MS
9000.000	0.000	0.000	8978.979	32.670	0.000	32.849	0.000	12.961	0.000	33.180	32.334	-38.905	MWD+IFR1+MS
9100.000	0.000	0.000	9078.979	33.027	0.000	33.200	0.000	13.181	0.000	33.534	32.688	-39.118	MWD+IFR1+MS
9200.000	0.000	0.000	9178.979	33.384	0.000	33.551	0.000	13.403	0.000	33.888	33.042	-39.326	MWD+IFR1+MS
9300.000	0.000	0.000	9278.979	33.741	0.000	33.902	0.000	13.628	0.000	34.242	33.396	-39.530	MWD+IFR1+MS

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9400.000	0.000	0.000	9378.979	34.099	0.000	34.253	0.000	13.856	0.000	34.597	33.750	-39.730	MWD+IFR1+MS
9500.000	0.000	0.000	9478.979	34.456	0.000	34.605	0.000	14.087	0.000	34.951	34.105	-39.925	MWD+IFR1+MS
9600.000	0.000	0.000	9578.979	34.813	0.000	34.957	0.000	14.321	0.000	35.306	34.459	-40.117	MWD+IFR1+MS
9700.000	0.000	0.000	9678.979	35.170	0.000	35.309	0.000	14.558	0.000	35.660	34.814	-40.304	MWD+IFR1+MS
9800.000	0.000	0.000	9778.979	35.528	0.000	35.661	0.000	14.798	0.000	36.015	35.168	-40.488	MWD+IFR1+MS
9900.000	0.000	0.000	9878.979	35.885	0.000	36.013	0.000	15.041	0.000	36.370	35.523	-40.668	MWD+IFR1+MS
9978.824	0.000	0.000	9957.803	36.165	0.000	36.289	0.000	15.235	0.000	36.647	35.802	-40.793	MWD+IFR1+MS
10000.000	1.694	179.806	9978.975	36.183	0.000	36.362	-0.000	15.287	0.000	36.716	35.874	-40.813	MWD+IFR1+MS
10100.000	9.694	179.806	10078.401	36.346	0.000	36.672	-0.000	15.550	0.000	37.277	36.355	125.526	MWD+IFR1+MS
10200.000	17.694	179.806	10175.480	36.679	0.000	36.969	-0.000	15.931	0.000	38.492	36.803	107.897	MWD+IFR1+MS
10300.000	25.694	179.806	10268.321	36.460	0.000	37.247	-0.000	16.503	0.000	39.663	37.115	102.728	MWD+IFR1+MS
10400.000	33.694	179.806	10355.119	35.750	0.000	37.503	-0.000	17.314	0.000	40.678	37.382	100.626	MWD+IFR1+MS
10500.000	41.694	179.806	10434.183	34.636	0.000	37.737	-0.000	18.381	0.000	41.509	37.617	99.651	MWD+IFR1+MS
10600.000	49.694	179.806	10503.976	33.232	0.000	37.948	-0.000	19.686	0.000	42.152	37.825	99.234	MWD+IFR1+MS
10700.000	57.694	179.806	10563.137	31.688	0.000	38.136	-0.000	21.188	0.000	42.615	38.007	99.152	MWD+IFR1+MS
10800.000	65.694	179.806	10610.517	30.189	0.000	38.301	-0.000	22.833	0.000	42.918	38.164	99.297	MWD+IFR1+MS
10900.000	73.694	179.806	10645.192	28.946	0.000	38.443	-0.000	24.560	0.000	43.090	38.296	99.600	MWD+IFR1+MS
11000.000	81.694	179.806	10666.488	28.181	0.000	38.563	-0.000	26.309	0.000	43.166	38.405	99.990	MWD+IFR1+MS
11103.824	90.000	179.806	10674.000	28.211	0.000	38.662	-0.000	28.211	0.000	43.190	38.493	100.399	MWD+IFR1+MS
11200.000	90.000	179.806	10674.000	28.774	0.000	38.749	-0.000	28.774	0.000	43.202	38.572	100.759	MWD+IFR1+MS
11300.000	90.000	179.806	10674.000	28.940	0.000	38.859	-0.000	28.940	0.000	43.216	38.672	101.189	MWD+IFR1+MS
11400.000	90.000	179.806	10674.000	29.127	0.000	38.990	-0.000	29.127	0.000	43.232	38.791	101.682	MWD+IFR1+MS
11500.000	90.000	179.806	10674.000	29.334	0.000	39.139	-0.000	29.334	0.000	43.250	38.928	102.247	MWD+IFR1+MS
11600.000	90.000	179.806	10674.000	29.559	0.000	39.308	-0.000	29.559	0.000	43.270	39.083	102.897	MWD+IFR1+MS
11700.000	90.000	179.806	10674.000	29.804	0.000	39.496	-0.000	29.804	0.000	43.293	39.254	103.645	MWD+IFR1+MS
11800.000	90.000	179.806	10674.000	30.068	0.000	39.702	-0.000	30.068	0.000	43.319	39.441	104.512	MWD+IFR1+MS
11900.000	90.000	179.806	10674.000	30.349	0.000	39.927	-0.000	30.349	0.000	43.349	39.644	105.521	MWD+IFR1+MS
12000.000	90.000	179.806	10674.000	30.648	0.000	40.170	-0.000	30.648	0.000	43.383	39.861	106.702	MWD+IFR1+MS
12100.000	90.000	179.806	10674.000	30.964	0.000	40.431	-0.000	30.964	0.000	43.422	40.090	108.094	MWD+IFR1+MS
12200.000	90.000	179.806	10674.000	31.296	0.000	40.709	-0.000	31.296	0.000	43.468	40.331	109.743	MWD+IFR1+MS
12300.000	90.000	179.806	10674.000	31.644	0.000	41.004	-0.000	31.644	0.000	43.523	40.582	111.711	MWD+IFR1+MS
12400.000	90.000	179.806	10674.000	32.008	0.000	41.315	-0.000	32.008	0.000	43.589	40.838	114.067	MWD+IFR1+MS
12500.000	90.000	179.806	10674.000	32.387	0.000	41.643	-0.000	32.387	0.000	43.668	41.097	116.891	MWD+IFR1+MS

12600.000	90.000	179.806	10674.000	32.780	0.000	41.987	-0.000	32.780	0.000	43.767	41.354	120.256	MWD+IFR1+MS
12700.000	90.000	179.806	10674.000	33.187	0.000	42.346	-0.000	33.187	0.000	43.889	41.604	124.207	MWD+IFR1+MS
12800.000	90.000	179.806	10674.000	33.608	0.000	42.721	-0.000	33.608	0.000	44.041	41.839	128.713	MWD+IFR1+MS
12900.000	90.000	179.806	10674.000	34.041	0.000	43.110	-0.000	34.041	0.000	44.229	42.053	133.631	MWD+IFR1+MS
13000.000	90.000	179.806	10674.000	34.487	0.000	43.514	-0.000	34.487	0.000	44.458	42.242	-41.301	MWD+IFR1+MS
13100.000	90.000	179.806	10674.000	34.944	0.000	43.932	-0.000	34.944	0.000	44.728	42.404	-36.393	MWD+IFR1+MS
13200.000	90.000	179.806	10674.000	35.414	0.000	44.363	-0.000	35.414	0.000	45.039	42.539	-31.901	MWD+IFR1+MS
13300.000	90.000	179.806	10674.000	35.894	0.000	44.807	-0.000	35.894	0.000	45.387	42.652	-27.966	MWD+IFR1+MS
13400.000	90.000	179.806	10674.000	36.385	0.000	45.264	-0.000	36.385	0.000	45.766	42.746	-24.613	MWD+IFR1+MS
13500.000	90.000	179.806	10674.000	36.886	0.000	45.734	-0.000	36.886	0.000	46.173	42.825	-21.796	MWD+IFR1+MS
13600.000	90.000	179.806	10674.000	37.396	0.000	46.215	-0.000	37.396	0.000	46.604	42.893	-19.441	MWD+IFR1+MS
13700.000	90.000	179.806	10674.000	37.916	0.000	46.708	-0.000	37.916	0.000	47.056	42.953	-17.469	MWD+IFR1+MS
13800.000	90.000	179.806	10674.000	38.446	0.000	47.213	-0.000	38.446	0.000	47.526	43.006	-15.809	MWD+IFR1+MS
13900.000	90.000	179.806	10674.000	38.983	0.000	47.728	-0.000	38.983	0.000	48.012	43.054	-14.403	MWD+IFR1+MS
14000.000	90.000	179.806	10674.000	39.529	0.000	48.254	-0.000	39.529	0.000	48.514	43.098	-13.201	MWD+IFR1+MS
14100.000	90.000	179.806	10674.000	40.083	0.000	48.790	-0.000	40.083	0.000	49.029	43.139	-12.168	MWD+IFR1+MS
14200.000	90.000	179.806	10674.000	40.645	0.000	49.336	-0.000	40.645	0.000	49.557	43.178	-11.271	MWD+IFR1+MS
14300.000	90.000	179.806	10674.000	41.213	0.000	49.892	-0.000	41.213	0.000	50.097	43.215	-10.488	MWD+IFR1+MS
14400.000	90.000	179.806	10674.000	41.789	0.000	50.457	-0.000	41.789	0.000	50.648	43.251	-9.799	MWD+IFR1+MS
14500.000	90.000	179.806	10674.000	42.372	0.000	51.031	-0.000	42.372	0.000	51.210	43.286	-9.189	MWD+IFR1+MS
14600.000	90.000	179.806	10674.000	42.961	0.000	51.613	-0.000	42.961	0.000	51.781	43.320	-8.646	MWD+IFR1+MS
14700.000	90.000	179.806	10674.000	43.556	0.000	52.204	-0.000	43.556	0.000	52.362	43.353	-8.161	MWD+IFR1+MS
14800.000	90.000	179.806	10674.000	44.157	0.000	52.803	-0.000	44.157	0.000	52.953	43.387	-7.724	MWD+IFR1+MS
14900.000	90.000	179.806	10674.000	44.764	0.000	53.410	-0.000	44.764	0.000	53.551	43.419	-7.329	MWD+IFR1+MS
15000.000	90.000	179.806	10674.000	45.376	0.000	54.024	-0.000	45.376	0.000	54.158	43.452	-6.970	MWD+IFR1+MS
15100.000	90.000	179.806	10674.000	45.993	0.000	54.646	-0.000	45.993	0.000	54.774	43.485	-6.644	MWD+IFR1+MS
15200.000	90.000	179.806	10674.000	46.616	0.000	55.274	-0.000	46.616	0.000	55.396	43.517	-6.345	MWD+IFR1+MS
15300.000	90.000	179.806	10674.000	47.243	0.000	55.910	-0.000	47.243	0.000	56.026	43.550	-6.071	MWD+IFR1+MS
15400.000	90.000	179.806	10674.000	47.875	0.000	56.552	-0.000	47.875	0.000	56.663	43.583	-5.819	MWD+IFR1+MS
15500.000	90.000	179.806	10674.000	48.511	0.000	57.200	-0.000	48.511	0.000	57.307	43.616	-5.586	MWD+IFR1+MS
15600.000	90.000	179.806	10674.000	49.152	0.000	57.855	-0.000	49.152	0.000	57.957	43.649	-5.371	MWD+IFR1+MS
15700.000	90.000	179.806	10674.000	49.797	0.000	58.515	-0.000	49.797	0.000	58.613	43.682	-5.171	MWD+IFR1+MS
15800.000	90.000	179.806	10674.000	50.446	0.000	59.181	-0.000	50.446	0.000	59.276	43.716	-4.984	MWD+IFR1+MS

15900.000	90.000	179.806	10674.000	51.098	0.000	59.853	-0.000	51.098	0.000	59.944	43.750	-4.811	MWD+IFR1+MS
16000.000	90.000	179.806	10674.000	51.755	0.000	60.530	-0.000	51.755	0.000	60.617	43.784	-4.649	MWD+IFR1+MS
16100.000	90.000	179.806	10674.000	52.414	0.000	61.212	-0.000	52.414	0.000	61.297	43.819	-4.497	MWD+IFR1+MS
16200.000	90.000	179.806	10674.000	53.078	0.000	61.900	-0.000	53.078	0.000	61.981	43.854	-4.354	MWD+IFR1+MS
16300.000	90.000	179.806	10674.000	53.744	0.000	62.592	-0.000	53.744	0.000	62.670	43.889	-4.220	MWD+IFR1+MS
16400.000	90.000	179.806	10674.000	54.414	0.000	63.289	-0.000	54.414	0.000	63.365	43.925	-4.094	MWD+IFR1+MS
16500.000	90.000	179.806	10674.000	55.087	0.000	63.990	-0.000	55.087	0.000	64.064	43.961	-3.975	MWD+IFR1+MS
16600.000	90.000	179.806	10674.000	55.762	0.000	64.696	-0.000	55.762	0.000	64.767	43.998	-3.863	MWD+IFR1+MS
16700.000	90.000	179.806	10674.000	56.441	0.000	65.406	-0.000	56.441	0.000	65.475	44.035	-3.757	MWD+IFR1+MS
16800.000	90.000	179.806	10674.000	57.122	0.000	66.120	-0.000	57.122	0.000	66.187	44.073	-3.657	MWD+IFR1+MS
16900.000	90.000	179.806	10674.000	57.806	0.000	66.838	-0.000	57.806	0.000	66.903	44.110	-3.561	MWD+IFR1+MS
17000.000	90.000	179.806	10674.000	58.492	0.000	67.560	-0.000	58.492	0.000	67.623	44.149	-3.471	MWD+IFR1+MS
17100.000	90.000	179.806	10674.000	59.181	0.000	68.285	-0.000	59.181	0.000	68.347	44.188	-3.385	MWD+IFR1+MS
17200.000	90.000	179.806	10674.000	59.872	0.000	69.015	-0.000	59.872	0.000	69.075	44.227	-3.303	MWD+IFR1+MS
17300.000	90.000	179.806	10674.000	60.565	0.000	69.747	-0.000	60.565	0.000	69.806	44.266	-3.225	MWD+IFR1+MS
17400.000	90.000	179.806	10674.000	61.261	0.000	70.484	-0.000	61.261	0.000	70.540	44.307	-3.150	MWD+IFR1+MS
17500.000	90.000	179.806	10674.000	61.959	0.000	71.223	-0.000	61.959	0.000	71.278	44.347	-3.079	MWD+IFR1+MS
17600.000	90.000	179.806	10674.000	62.658	0.000	71.966	-0.000	62.658	0.000	72.020	44.388	-3.011	MWD+IFR1+MS
17700.000	90.000	179.806	10674.000	63.360	0.000	72.711	-0.000	63.360	0.000	72.764	44.430	-2.946	MWD+IFR1+MS
17800.000	90.000	179.806	10674.000	64.064	0.000	73.460	-0.000	64.064	0.000	73.511	44.472	-2.884	MWD+IFR1+MS
17900.000	90.000	179.806	10674.000	64.770	0.000	74.212	-0.000	64.770	0.000	74.262	44.514	-2.825	MWD+IFR1+MS
18000.000	90.000	179.806	10674.000	65.477	0.000	74.966	-0.000	65.477	0.000	75.015	44.557	-2.767	MWD+IFR1+MS
18100.000	90.000	179.806	10674.000	66.186	0.000	75.723	-0.000	66.186	0.000	75.771	44.600	-2.713	MWD+IFR1+MS
18200.000	90.000	179.806	10674.000	66.897	0.000	76.483	-0.000	66.897	0.000	76.530	44.644	-2.660	MWD+IFR1+MS
18300.000	90.000	179.806	10674.000	67.610	0.000	77.245	-0.000	67.610	0.000	77.291	44.689	-2.609	MWD+IFR1+MS
18400.000	90.000	179.806	10674.000	68.324	0.000	78.010	-0.000	68.324	0.000	78.055	44.733	-2.561	MWD+IFR1+MS
18500.000	90.000	179.806	10674.000	69.039	0.000	78.777	-0.000	69.039	0.000	78.821	44.779	-2.514	MWD+IFR1+MS
18600.000	90.000	179.806	10674.000	69.756	0.000	79.547	-0.000	69.756	0.000	79.590	44.824	-2.469	MWD+IFR1+MS
18700.000	90.000	179.806	10674.000	70.475	0.000	80.319	-0.000	70.475	0.000	80.361	44.871	-2.425	MWD+IFR1+MS
18800.000	90.000	179.806	10674.000	71.195	0.000	81.093	-0.000	71.195	0.000	81.134	44.917	-2.383	MWD+IFR1+MS
18900.000	90.000	179.806	10674.000	71.916	0.000	81.869	-0.000	71.916	0.000	81.910	44.964	-2.343	MWD+IFR1+MS
19000.000	90.000	179.806	10674.000	72.639	0.000	82.648	-0.000	72.639	0.000	82.687	45.012	-2.304	MWD+IFR1+MS
19100.000	90.000	179.806	10674.000	73.362	0.000	83.428	-0.000	73.362	0.000	83.467	45.060	-2.266	MWD+IFR1+MS

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19200.000	90.000	179.806	10674.000	74.088	0.000	84.210	-0.000	74.088	0.000	84.248	45.109	-2.230	MWD+IFR1+MS
19300.000	90.000	179.806	10674.000	74.814	0.000	84.995	-0.000	74.814	0.000	85.032	45.158	-2.194	MWD+IFR1+MS
19400.000	90.000	179.806	10674.000	75.541	0.000	85.781	-0.000	75.541	0.000	85.817	45.208	-2.160	MWD+IFR1+MS
19500.000	90.000	179.806	10674.000	76.270	0.000	86.569	-0.000	76.270	0.000	86.605	45.258	-2.127	MWD+IFR1+MS
19600.000	90.000	179.806	10674.000	77.000	0.000	87.359	-0.000	77.000	0.000	87.394	45.308	-2.095	MWD+IFR1+MS
19700.000	90.000	179.806	10674.000	77.731	0.000	88.150	-0.000	77.731	0.000	88.185	45.359	-2.064	MWD+IFR1+MS
19800.000	90.000	179.806	10674.000	78.462	0.000	88.943	-0.000	78.462	0.000	88.977	45.410	-2.034	MWD+IFR1+MS
19900.000	90.000	179.806	10674.000	79.195	0.000	89.738	-0.000	79.195	0.000	89.772	45.462	-2.005	MWD+IFR1+MS
20000.000	90.000	179.806	10674.000	79.929	0.000	90.535	-0.000	79.929	0.000	90.567	45.515	-1.977	MWD+IFR1+MS
20100.000	90.000	179.806	10674.000	80.664	0.000	91.333	-0.000	80.664	0.000	91.365	45.568	-1.949	MWD+IFR1+MS
20200.000	90.000	179.806	10674.000	81.400	0.000	92.132	-0.000	81.400	0.000	92.164	45.621	-1.923	MWD+IFR1+MS
20300.000	90.000	179.806	10674.000	82.136	0.000	92.933	-0.000	82.136	0.000	92.964	45.675	-1.897	MWD+IFR1+MS
20400.000	90.000	179.806	10674.000	82.874	0.000	93.735	-0.000	82.874	0.000	93.766	45.729	-1.872	MWD+IFR1+MS
20500.000	90.000	179.806	10674.000	83.612	0.000	94.539	-0.000	83.612	0.000	94.569	45.784	-1.847	MWD+IFR1+MS
20600.000	90.000	179.806	10674.000	84.351	0.000	95.344	-0.000	84.351	0.000	95.374	45.839	-1.823	MWD+IFR1+MS
20700.000	90.000	179.806	10674.000	85.091	0.000	96.151	-0.000	85.091	0.000	96.180	45.895	-1.800	MWD+IFR1+MS
20800.000	90.000	179.806	10674.000	85.832	0.000	96.958	-0.000	85.832	0.000	96.987	45.951	-1.778	MWD+IFR1+MS
20900.000	90.000	179.806	10674.000	86.574	0.000	97.767	-0.000	86.574	0.000	97.796	46.007	-1.756	MWD+IFR1+MS
21000.000	90.000	179.806	10674.000	87.316	0.000	98.578	-0.000	87.316	0.000	98.605	46.064	-1.734	MWD+IFR1+MS
21100.000	90.000	179.806	10674.000	88.059	0.000	99.389	-0.000	88.059	0.000	99.416	46.122	-1.714	MWD+IFR1+MS
21200.000	90.000	179.806	10674.000	88.803	0.000	100.202	-0.000	88.803	0.000	100.229	46.180	-1.693	MWD+IFR1+MS
21300.000	90.000	179.806	10674.000	89.548	0.000	101.015	-0.000	89.548	0.000	101.042	46.238	-1.674	MWD+IFR1+MS
21400.000	90.000	179.806	10674.000	90.293	0.000	101.830	-0.000	90.293	0.000	101.856	46.297	-1.654	MWD+IFR1+MS
21500.000	90.000	179.806	10674.000	91.039	0.000	102.646	-0.000	91.039	0.000	102.672	46.356	-1.636	MWD+IFR1+MS
21600.000	90.000	179.806	10674.000	91.785	0.000	103.463	-0.000	91.785	0.000	103.489	46.416	-1.617	MWD+IFR1+MS
21700.000	90.000	179.806	10674.000	92.532	0.000	104.281	-0.000	92.532	0.000	104.306	46.476	-1.599	MWD+IFR1+MS
21800.000	90.000	179.806	10674.000	93.280	0.000	105.100	-0.000	93.280	0.000	105.125	46.537	-1.582	MWD+IFR1+MS
21900.000	90.000	179.806	10674.000	94.029	0.000	105.920	-0.000	94.029	0.000	105.945	46.598	-1.565	MWD+IFR1+MS
22000.000	90.000	179.806	10674.000	94.777	0.000	106.741	-0.000	94.777	0.000	106.766	46.660	-1.548	MWD+IFR1+MS
22100.000	90.000	179.806	10674.000	95.527	0.000	107.563	-0.000	95.527	0.000	107.587	46.722	-1.532	MWD+IFR1+MS
22200.000	90.000	179.806	10674.000	96.277	0.000	108.386	-0.000	96.277	0.000	108.410	46.784	-1.516	MWD+IFR1+MS
22300.000	90.000	179.806	10674.000	97.028	0.000	109.210	-0.000	97.028	0.000	109.233	46.847	-1.501	MWD+IFR1+MS
22400.000	90.000	179.806	10674.000	97.779	0.000	110.035	-0.000	97.779	0.000	110.058	46.910	-1.485	MWD+IFR1+MS

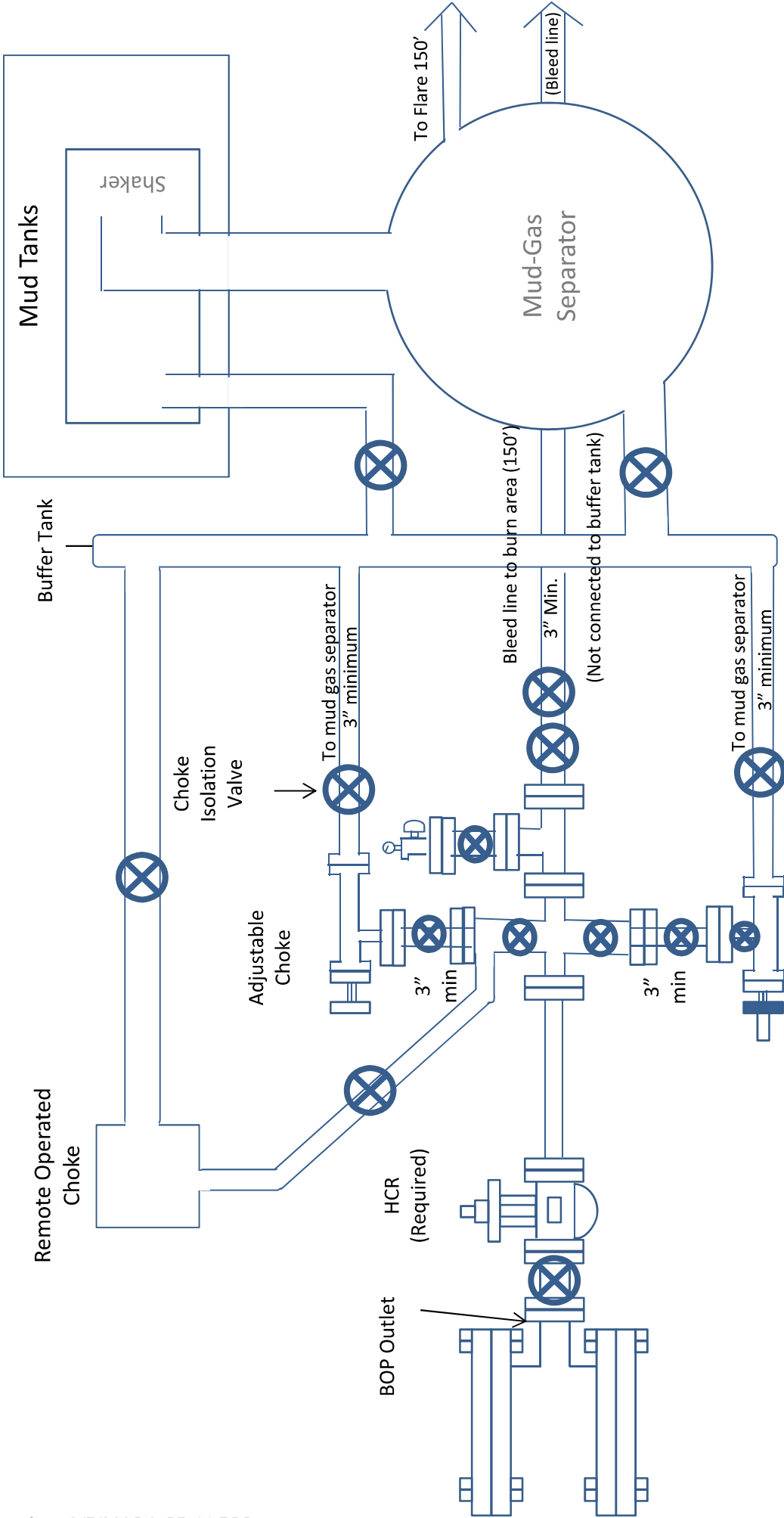
22500.000	90.000	179.806	10674.000	98.531	0.000	110.860	-0.000	98.531	0.000	110.883	46.974	-1.471	MWD+IFR1+MS
22600.000	90.000	179.806	10674.000	99.283	0.000	111.687	-0.000	99.283	0.000	111.709	47.038	-1.456	MWD+IFR1+MS
22700.000	90.000	179.806	10674.000	100.036	0.000	112.514	-0.000	100.036	0.000	112.536	47.103	-1.442	MWD+IFR1+MS
22800.000	90.000	179.806	10674.000	100.789	0.000	113.342	-0.000	100.789	0.000	113.364	47.168	-1.428	MWD+IFR1+MS
22900.000	90.000	179.806	10674.000	101.542	0.000	114.171	-0.000	101.542	0.000	114.192	47.233	-1.414	MWD+IFR1+MS
23000.000	90.000	179.806	10674.000	102.297	0.000	115.000	-0.000	102.297	0.000	115.021	47.299	-1.401	MWD+IFR1+MS
23100.000	90.000	179.806	10674.000	103.051	0.000	115.831	-0.000	103.051	0.000	115.852	47.365	-1.388	MWD+IFR1+MS
23200.000	90.000	179.806	10674.000	103.806	0.000	116.662	-0.000	103.806	0.000	116.682	47.432	-1.375	MWD+IFR1+MS
23300.000	90.000	179.806	10674.000	104.562	0.000	117.493	-0.000	104.562	0.000	117.514	47.499	-1.363	MWD+IFR1+MS
23400.000	90.000	179.806	10674.000	105.318	0.000	118.326	-0.000	105.318	0.000	118.346	47.567	-1.351	MWD+IFR1+MS
23500.000	90.000	179.806	10674.000	106.074	0.000	119.159	-0.000	106.074	0.000	119.179	47.635	-1.339	MWD+IFR1+MS
23600.000	90.000	179.806	10674.000	106.831	0.000	119.993	-0.000	106.831	0.000	120.013	47.704	-1.327	MWD+IFR1+MS
23700.000	90.000	179.806	10674.000	107.588	0.000	120.828	-0.000	107.588	0.000	120.847	47.772	-1.315	MWD+IFR1+MS
23800.000	90.000	179.806	10674.000	108.346	0.000	121.663	-0.000	108.346	0.000	121.682	47.842	-1.304	MWD+IFR1+MS
23900.000	90.000	179.806	10674.000	109.103	0.000	122.499	-0.000	109.103	0.000	122.518	47.911	-1.293	MWD+IFR1+MS
24000.000	90.000	179.806	10674.000	109.862	0.000	123.335	-0.000	109.862	0.000	123.354	47.981	-1.282	MWD+IFR1+MS
24100.000	90.000	179.806	10674.000	110.620	0.000	124.172	-0.000	110.620	0.000	124.191	48.052	-1.271	MWD+IFR1+MS
24195.899	90.000	179.806	10674.000	111.348	0.000	124.975	-0.000	111.348	0.000	124.994	48.120	-1.261	MWD+IFR1+MS
24200.000	90.000	179.806	10674.000	111.379	0.000	125.009	-0.000	111.379	0.000	125.028	48.123	-1.261	MWD+IFR1+MS
24285.907	90.000	179.806	10674.000	112.030	0.000	125.728	-0.000	112.030	0.000	125.747	48.184	-1.252	MWD+IFR1+MS

Poker Lake Unit 30 BS 410H

Plan Targets

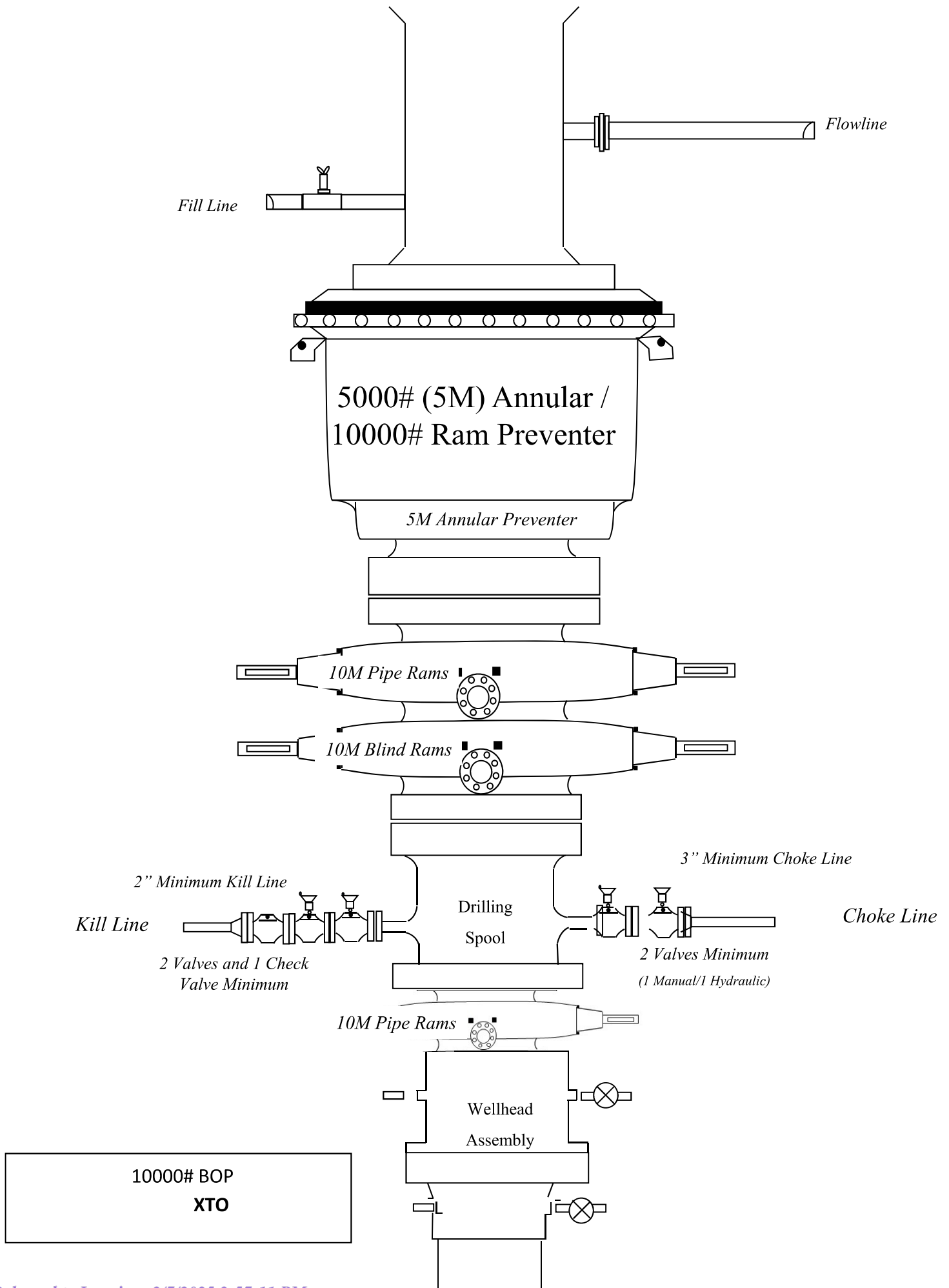
Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
FTP 5	11103.73	400805.90	662213.60	7276.00	CIRCLE
LTP 5	24195.90	387713.90	662257.90	7276.00	CIRCLE
BHL 5	24285.90	387623.90	662258.50	7276.00	CIRCLE

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



10M Choke Manifold Diagram
XTO

**Drilling Operations
Choke Manifold
10M Service**



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

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XTO ENERGY INC
DELAWARE BASIN

CACTUS WELLHEAD LLC

(20") x 13-3/8" x 9-5/8" x 5-1/2" MBU-3T-CFL-R-DBLO-SF Wellhead
With 13-5/8" 10M x 7-1/16" 15M CTH-DBLHPS-SB Tubing Head
And Drilling & Skid Configurations

DRAWN	VJK	31MAR20
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SDT-2856

DRAWING NO.

**BLACK GOLD®**

GATES ENGINEERING & SERVICES NORTH AMERICA
7603 Prairie Oak Dr.
Houston, TX. 77086

PHONE: +1 (281) 602-4100

FAX: +1 (281) 602-4147

EMAIL: gesna.quality@gates.com

WEB: www.gates.com/oilandgas

*NEW CHOKE HOSE
INSTALLED 02-10-2024*

CERTIFICATE OF CONFORMANCE

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

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

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

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

SIGNATURE: *F. Cismos*

TITLE:

QUALITY ASSURANCE

DATE:

1/25/2024



H3-15/16

1/25/2024 11:48:06 AM

TEST REPORT

CUSTOMER

Company: Nabors Industries Inc.

Production description: 74621/66-1531

Sales order #: 529480

Customer reference: FG1213

TEST OBJECT

Serial number: H3-012524-1

Lot number:

Description: 74621/66-1531

Hose ID: 3" 16C CK

Part number:

TEST INFORMATION

Test procedure: GTS-04-053

Test pressure: 15000.00 psi

Test pressure hold: 3600.00 sec

Work pressure: 10000.00 psi

Work pressure hold: 900.00 sec

Length difference: 0.00 %

Length difference: 0.00 inch

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

Part number:

Description:

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

Part number:

Description:

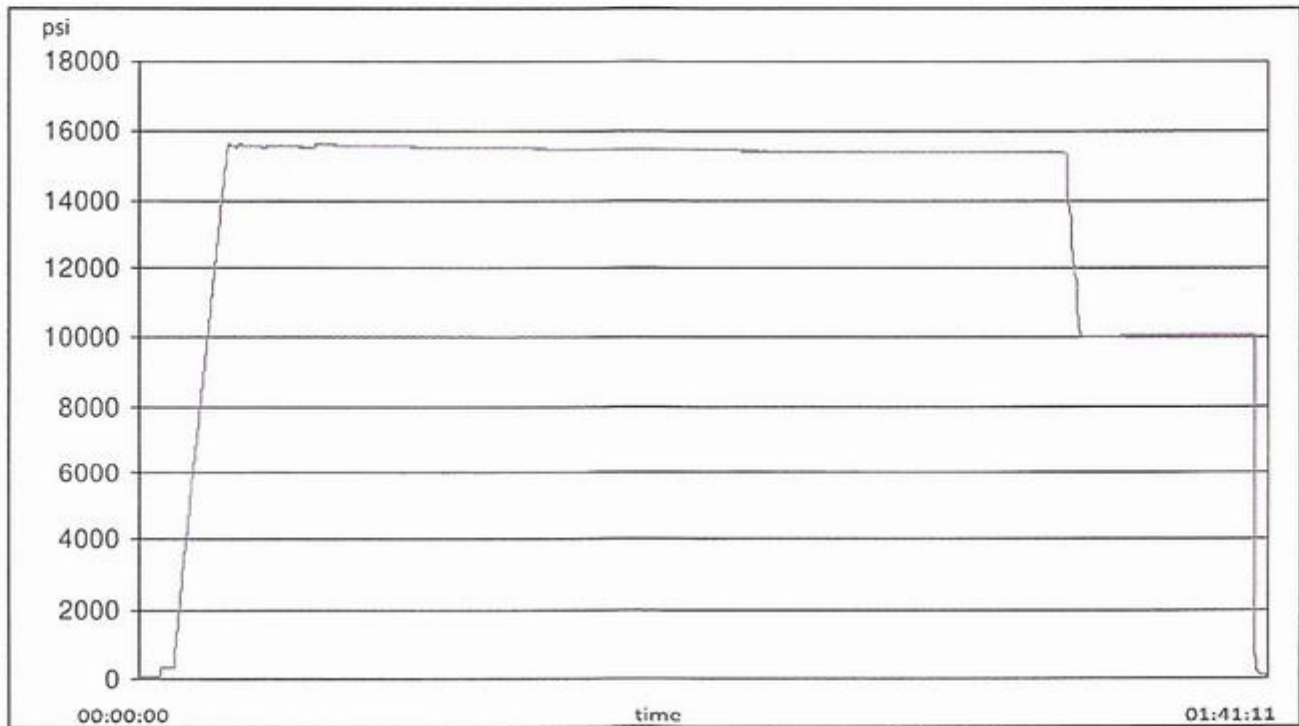
Visual check:

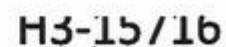
Pressure test result: PASS

Length measurement result:

Length: 45 feet

Test operator: Travis



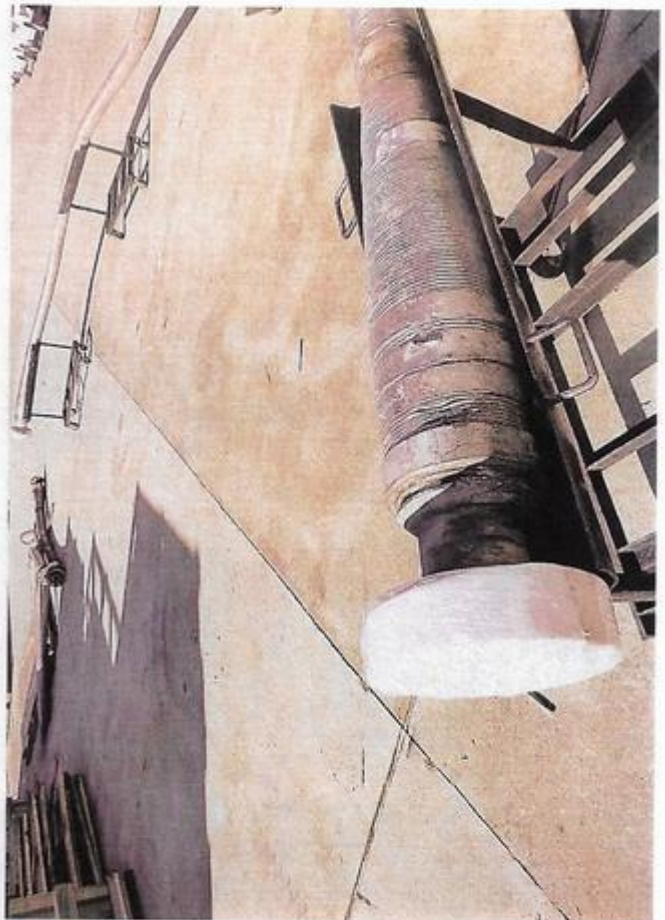
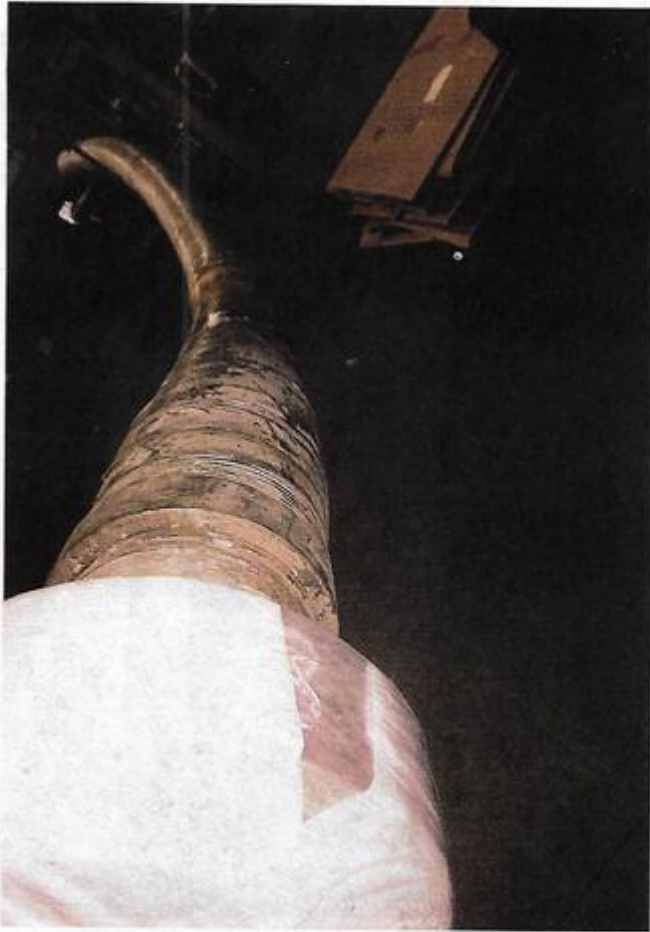


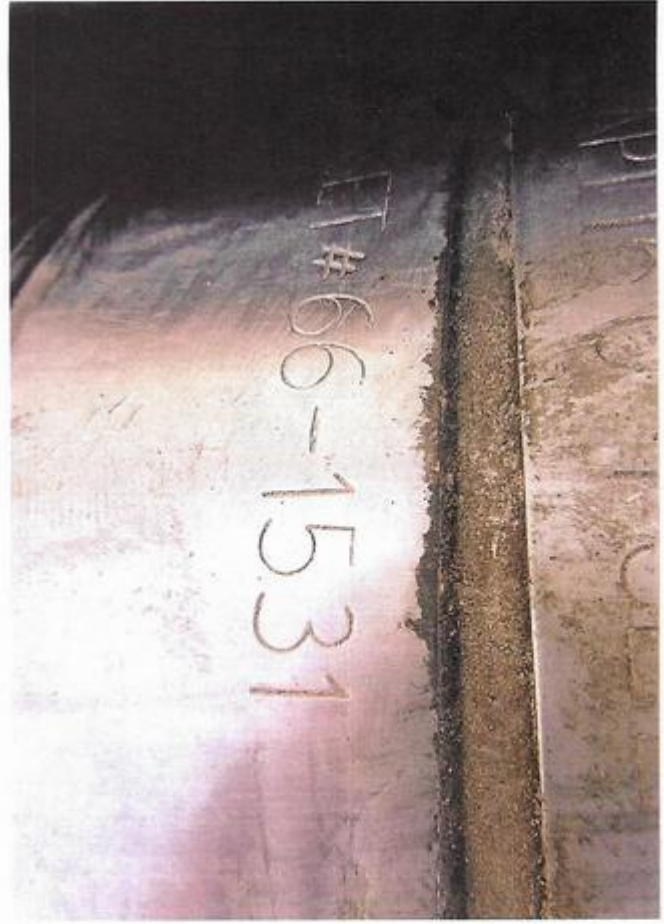
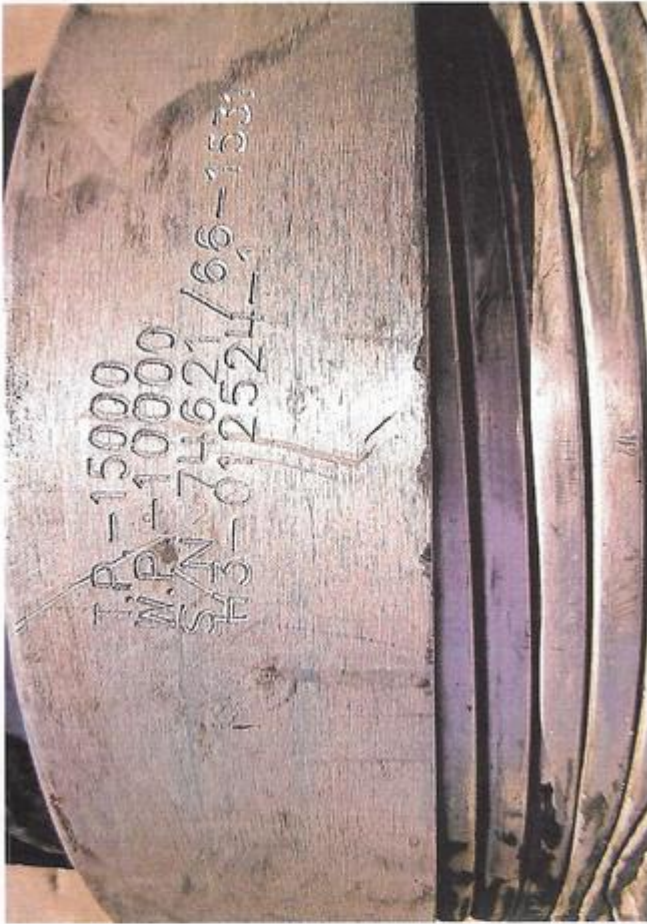
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GAUGE TRACEABILITY

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





QC APPROVED BY POSSIBILITY™

Gates

I.D.: 3" LENGTH: 45"

GRADE: 16C 10K END FITTING: 1 1/4" 10K Flange E/F

W#: 43-012524-1

CUST NAME: Nalco DOC#: 528450

NOTES: 10.15582803 SN: 74621 ASSET 66-1531

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

Description of Operations:

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

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 427311

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 427311
	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