

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

Well Name: POKER LAKE UNIT 30-19 BS	Well Location: T25S / R31E / SEC 30 / NWNE /	County or Parish/State:
Well Number: 104H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMLC061634B	Unit or CA Name:	Unit or CA Number: NMNM71016X
US Well Number: 3001553544	Well Status: Approved Application for Permit to Drill	Operator: XTO PERMIAN OPERATING LLC

Notice of Intent

Sundry ID: 2758543

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 10/29/2023

Time Sundry Submitted: 08:44

Date proposed operation will begin: 11/06/2023

Procedure Description: ** First and Last Take Point Changes, Bottomhole Location Change, Drilling Plan Change, Casing/Cement Change XTO Permian Operating, LCC. requests permission to make the following changes to the original APD: No Additional Surface Disturbance FTP: fr/2310'FNL & 2430'FWL to 2115'FNL & 2263'FEL PPP2: 2656' FNL & 2283' FEL LTP: fr/100'FNL & 2430'FWL to 2523'FSL & 2280'FEL BHL: fr/50'FNL & 2430'FWL to 2622'FSL & 2280'FEL, Section 18-T25S-R31E Additionally, XTO Permian Operating, LLC. respectfully requests permission to upsize the casing design. The surface, intermediate and production hole, casing, and cement based on the attached drilling program. Due to the design change in these strings, the wellhead configuration has also changed based on the attached drilling program. Casing/Cement design per the attached drilling program. Attachments: C102 Drilling Program MBS Directional Plan BOP MCM

NOI Attachments

Procedure Description

PLU_30_19_BS_104H_Sundry_Attachments_20231029204242.pdf

Well Name: POKER LAKE UNIT 30-19 BS

Well Location: T25S / R31E / SEC 30 / NWNE /

County or Parish/State:

Well Number: 104H

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMLC061634B

Unit or CA Name:

Unit or CA Number: NMNM71016X

US Well Number: 3001553544

Well Status: Approved Application for Permit to Drill

Operator: XTO PERMIAN OPERATING LLC

Conditions of Approval

Additional

Sec_30_25S_31E_NMP_Sundry_2758543_Poker_Lake_Unit_30_19_BS_104H_COAs_20231201084653.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: CASSIE EVANS

Signed on: OCT 29, 2023 08:43 PM

Name: XTO PERMIAN OPERATING LLC

Title: Regulatory Analyst

Street Address: 6401 Holiday Hill Road, Bldg 5

City: Midland

State: TX

Phone: (432) 218-3671

Email address: CASSIE.EVANS@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: 12/01/2023

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.
NMNM71016X

8. Well Name and No. **POKER LAKE UNIT 30-19 BS/104H**

9. API Well No. **3001553544**

10. Field and Pool or Exploratory Area
PURPLE SAGE/BONE SPRING

11. Country or Parish, State
EDDY/NM

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

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

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed 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 determined that the site is ready for final inspection.)

**** First and Last Take Point Changes, Bottomhole Location Change, Drilling Plan Change, Casing/Cement Change**

XTO Permian Operating, LCC. requests permission to make the following changes to the original APD:

No Additional Surface Disturbance

FTP: fr/2310FNL & 2430FWL to 2115FNL & 2263FEL

PPP2: 2656 FNL & 2283 FEL

LTP: fr/100FNL & 2430FWL to 2523FSL & 2280FEL

Continued on page 3 additional information

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
CASSIE EVANS / Ph: (432) 218-3671

Regulatory Analyst
Title

(Electronic Submission)
Signature

Date **10/29/2023**

THE SPACE FOR FEDERAL OR STATE OFFICE USE

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

Petroleum Engineer
Title

12/01/2023
Date

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

Office **CARLSBAD**

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

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

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

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

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

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

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

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

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

Response to this request is mandatory.

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

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

Additional Information

Additional Remarks

BHL: fr/50FNL & 2430FWL to 2622FSL & 2280FEL, Section 18-T25S-R31E

Additionally, XTO Permian Operating, LLC. respectfully requests permission to upsize the casing design. The surface, intermediate and production hole, casing, and cement based on the attached drilling program. Due to the design change in these strings, the wellhead configuration has also changed based on the attached drilling program.

Casing/Cement design per the attached drilling program.

Attachments:

C102

Drilling Program

MBS

Directional Plan

BOP

MCM

Location of Well

0. SHL: NWNE / 533 FNL / 2558 FEL / TWSP: 25S / RANGE: 31E / SECTION: 30 / LAT: 32.10707 / LONG: -103.8171 (TVD: 0 feet, MD: 0 feet)

PPP: SENW / 2310 FNL / 2430 FWL / TWSP: 25S / RANGE: 31E / SECTION: 30 / LAT: 32.102184 / LONG: -103.818173 (TVD: 10879 feet, MD: 11200 feet)

BHL: NENW / 50 FNL / 2430 FWL / TWSP: 25S / RANGE: 31E / SECTION: 30 / LAT: 32.123014 / LONG: -103.818106 (TVD: 11499 feet, MD: 19724 feet)

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO Permian Operating LLC
WELL NAME & NO.:	Poker Lake Unit 30-19 BS 104H
LOCATION:	Sec 30-25S-31E-NMP
COUNTY:	Eddy County, New Mexico

*Changes approved through engineering via **Sundry 2758543** on 12/01/2023. Any previous COAs not addressed within the updated COAs still apply.*

COA

H₂S	<input checked="" type="radio"/> No	<input type="radio"/> Yes		
Potash / WIPP	<input checked="" type="radio"/> None	<input type="radio"/> Secretary	<input type="radio"/> R-111-P	<input type="checkbox"/> WIPP
Cave / Karst	<input type="radio"/> Low	<input checked="" type="radio"/> Medium	<input type="radio"/> High	<input type="radio"/> Critical
Wellhead	<input type="radio"/> Conventional	<input checked="" type="radio"/> Multibowl	<input type="radio"/> Both	<input type="radio"/> Diverter
Cementing	<input type="checkbox"/> Primary Squeeze	<input checked="" type="checkbox"/> Cont. Squeeze	<input checked="" type="checkbox"/> EchoMeter	<input type="checkbox"/> DV Tool
Special Req	<input type="checkbox"/> Break Testing	<input type="checkbox"/> Water Disposal	<input type="checkbox"/> COM	<input checked="" type="checkbox"/> Unit
Variance	<input checked="" type="checkbox"/> Flex Hose	<input type="checkbox"/> Casing Clearance	<input type="checkbox"/> Pilot Hole	<input type="checkbox"/> Capitan Reef
Variance	<input type="checkbox"/> Four-String	<input checked="" type="checkbox"/> Offline Cementing	<input type="checkbox"/> Fluid-Filled	<input type="checkbox"/> Open Annulus
<input type="checkbox"/> Batch APD / Sundry				

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 1,133 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 6768'**
 - 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, Capitan Reef, or potash.**
- ❖ 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 7-5/8" X 5-1/2" 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 7-5/8" casing to surface 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.

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

Operator must use a limited flush fluid volume of 1 bbl following backside cementing procedures.

3. The minimum required fill of cement behind the **5-1/2** inch production casing is:
 - Cement should tie-back at least **300 feet** into previous casing string. Operator shall provide method of verification. Additional tieback requirements due to not meeting 0.422" clearance requirement per 43 CFR 3172. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst, Capitan Reef, or potash.**

C. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'
2. Operator has proposed a multi-bowl wellhead assembly. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **10,000 (10M) psi. Variance is approved to use a 5000 (5M) Annular which shall be tested to 5000 (5M) psi.**
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
 - e. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172 must be followed.

D. SPECIAL REQUIREMENT (S)

Unit Wells

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

Commercial Well Determination

A commercial well determination shall be submitted after production has been established for at least six months.

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)

Eddy County

Email **or** call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, **BLM_NM_CFO_DrillingNotifications@BLM.GOV**
(575) 361-2822

Lea County

Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240,
(575) 689-5981

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
 - Notify the BLM when moving in and removing the Spudder Rig.
 - 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.
 - BOP/BOPE test to be conducted per **43 CFR part 3170 Subpart 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. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well – vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

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, 2) until cement has been in place at least 24 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-P 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 part 3170 Subpart 3172** and **API STD 53 Sec. 5.3**.
 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:
 - 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. Whenever any seal subject to test pressure is broken, all the tests in **43 CFR part 3170 Subpart 3172** must be followed.
 - e. 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.
 - a. 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).

- b. 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.)
- c. 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 part 3170 Subpart 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 water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
- d. 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.
- e. The results of the test shall be reported to the appropriate BLM office.
- f. 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.
- g. 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.
- h. 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 part 3170 Subpart 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.

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

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

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015- 53544		² Pool Code 97975		³ Pool Name WC-015 G-06 S243119C;BONE SPRING		
⁴ Property Code		⁵ Property Name] POKER LAKE UNIT 30-19 BS			⁶ Well Number 104H	
⁷ OGRID No. 373075		⁸ Operator Name XTO PERMIAN OPERATING, LLC.			⁹ Elevation 3,398'	

¹⁰ Surface Location

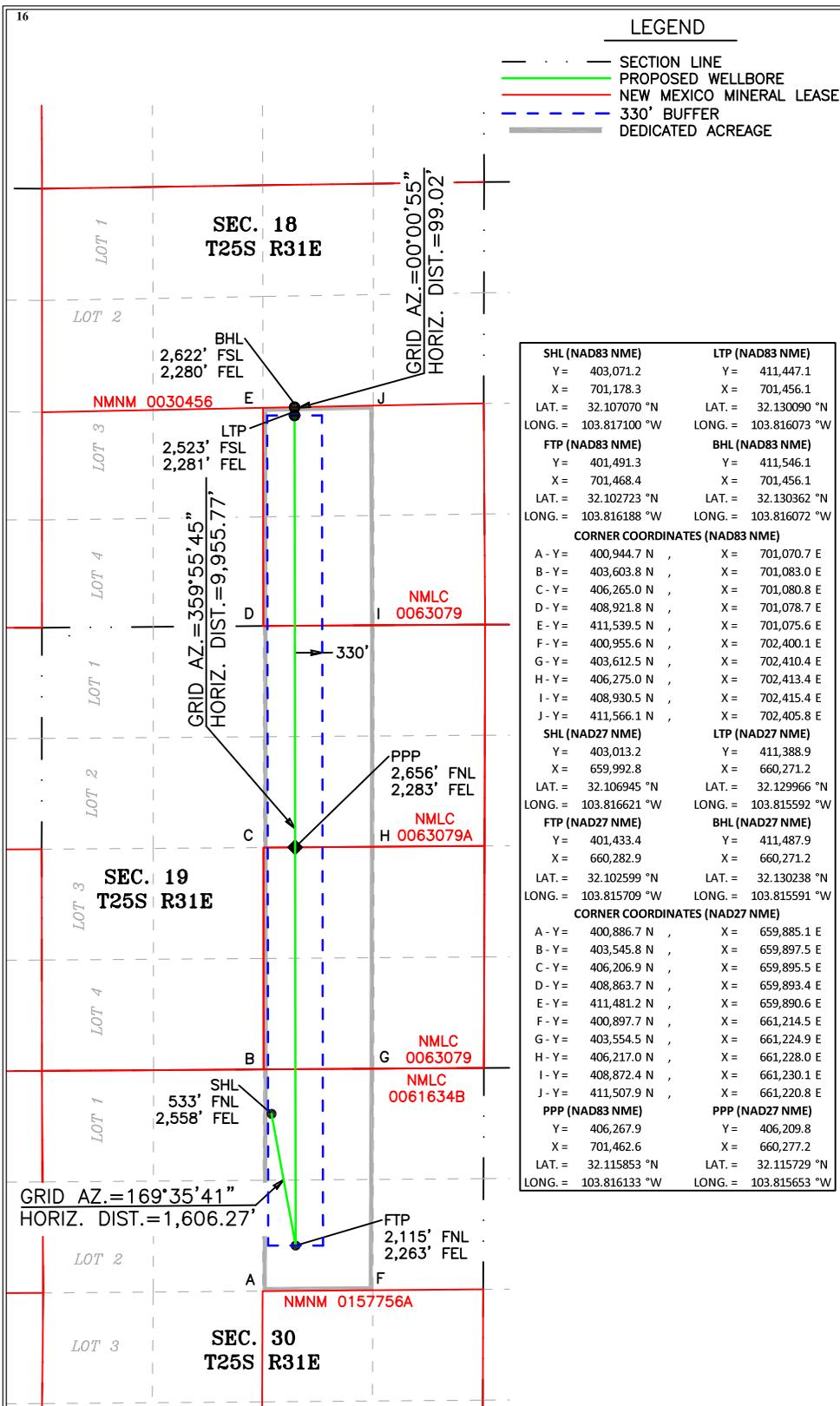
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	30	25 S	31 E		533	NORTH	2,558	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	18	25 S	31 E		2,622	SOUTH	2,280	EAST	EDDY

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



¹⁷ OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Cassie Evans 10/21/23
Signature Date
Cassie Evans
Printed Name
cassie.evans@exxonmobil.com
E-mail Address

¹⁸ SURVEYOR CERTIFICATION
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

10-5-2023
Date of Survey
KC/LM 2019082903

Signature and Seal of
Professional Surveyor:
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
TIM C. PAPPAS
REGISTERED PROFESSIONAL LAND SURVEYOR
STATE OF NEW MEXICO NO. 21209
9 OCT 2023
TIM C. PAPPAS 21209
Certificate Number



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

XTO Energy Inc.
 PLU 30-19 BS 104H
 Projected TD: 21107.57' MD / 10111' TVD
 SHL: 533' FNL & 2588' FEL , Section 30, T25S, R31E
 BHL: 2622' FSL & 2280' FEL , Section 18, T25S, 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 (TVD)	Water/Oil/Gas
Rustler	1033'	Water
Top of Salt	1393'	Water
Base of Salt	4005'	Water
Delaware	4194'	Water
Brushy Canyon	6768'	Water/Oil/Gas
Bone Spring	8102'	Water
1st Bone Spring	9036'	Water/Oil/Gas
2nd Bone Spring	9684'	Water/Oil/Gas
Target/Land Curve	10111'	Water/Oil/Gas

*** Hydrocarbons @ Brushy Canyon
 *** Groundwater depth 40' (per NM State Engineers Office).

No other formations are expected to yield oil, gas or fresh water in measurable volumes. The surface fresh water sands will be protected by setting 9.625 inch casing @ 1133' (260' above the salt) and circulating cement back to surface. The intermediate will isolate from the top of salt down to the next casing seat by setting 7.625 inch casing at 9728.06' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 21107.57 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 9428.06 feet).

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0' – 1133'	9.625	40	J-55	BTC	New	1.31	5.56	13.90
8.75	0' – 4000'	7.625	29.7	RY P-110	Flush Joint	New	2.18	2.52	1.93
8.75	4000' – 9728.06'	7.625	29.7	HC L-80	Flush Joint	New	1.58	1.89	2.39
6.75	0' – 9628.06'	5.5	20	RY P-110	Semi-Premium	New	1.26	1.77	2.20
6.75	9628.06' - 21107.57'	5.5	20	RY P-110	Semi-Flush	New	1.26	1.69	2.20

- XTO requests the option to utilize a spudder rig (Atlas Copco RD20 or Equivalent) to set and cement surface casing per this Sundry
- XTO requests to not utilize centralizers in the curve and lateral
- 7.625 Collapse analyzed using 50% evacuation based on regional experience.
- 5.5 Tension calculated using vertical hanging weight plus the lateral weight multiplied by a friction factor of 0.35
- Test on Casing will be limited to 70% burst of the casing or 1500 psi, whichever is less
- XTO requests the option to use 5" BTC Float equipment for the the production casing

Wellhead:

Permanent Wellhead – Multibowl System

A. Starting Head: 11" 10M top flange x 9-5/8" bottom

B. Tubing Head: 11" 10M bottom flange x 7-1/16" 15M top flange

- Wellhead will be installed by manufacturer's representatives.
- Manufacturer will monitor welding process to ensure appropriate temperature of seal.
- Operator will test the 7-5/8" casing per BLM Onshore Order 2
- Wellhead Manufacturer representative will not be present for BOP test plug installation

4. Cement Program

Surface Casing: 9.625, 40 New BTC, J-55 casing to be set at +/- 1133'

Lead: 270 sxs EconoCem-HLTRRC (mixed at 10.5 ppg, 1.87 ft³/sx, 10.13 gal/sx water)
 Tail: 130 sxs Class C + 2% CaCl (mixed at 14.8 ppg, 1.35 ft³/sx, 6.39 gal/sx water)
 Top of Cement: Surface
 Compressives: 12-hr = 900 psi 24 hr = 1500 psi

2nd Intermediate Casing: 7.625, 29.7 New casing to be set at +/- 9728.06'

1st Stage

Optional Lead: 360 sxs Class C (mixed at 10.5 ppg, 2.77 ft³/sx, 15.59 gal/sx water)
 TOC: Surface
 Tail: 270 sxs Class C (mixed at 14.8 ppg, 1.35 ft³/sx, 6.39 gal/sx water)
 TOC: Brushy Canyon @ 6768
 Compressives: 12-hr = 900 psi 24 hr = 1150 psi

2nd Stage

Lead: 0 sxs Class C (mixed at 12.9 ppg, 2.16 ft³/sx, 9.61 gal/sx water)
 Tail: 760 sxs Class C (mixed at 14.8 ppg, 1.33 ft³/sx, 6.39 gal/sx water)
 Top of Cement: 0
 Compressives: 12-hr = 900 psi 24 hr = 1150 psi

XTO requests to pump a two stage cement job on the 7-5/8" intermediate casing string with the first stage being pumped conventionally with the calculated top of cement at the Brush Canyon (6768') and the second stage performed as a bradenhead squeeze with planned cement from the Brushy Canyon to surface. If cement is not visually confirmed to circulate to surface, the final cement top after the second stage job will be verified by Echo-meter. If necessary, a top out consisting of 1,500 sack of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (2.30 yld, 12.91 ppg) will be executed as a contingency. If cement is still unable to circulate to surface, another Echo-meter run will be performed for cement top verification.

XTO will report to the BLM the volume of fluid (limited to 5 bbls) used to flush intermediate casing valves following backside cementing procedures.

XTO requests to pump an Optional Lead if well conditions dictate in an attempt to bring cement inside the first intermediate casing. If cement reaches the desired height, the BLM will be notified and the second stage bradenhead squeeze and subsequent TOC verification will be negated.

XTO requests the option to conduct the bradenhead squeeze and TOC verification offline as per standard approval from BLM when unplanned remediation is needed and batch drilling is approved. In the event the bradenhead is conducted, we will ensure the first stage cement job is cemented properly and the well is static with floats holding and no pressure on the csg annulus as with all other casing strings where batch drilling operations occur before moving off the rig. The TA cap will also be installed per Cactus procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops.

Production Casing: 5.5, 20 New Semi-Flush, RY P-110 casing to be set at +/- 21107.57'

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft³/sx, 15.00 gal/sx water) Top of Cement: 9428.06 feet
 Tail: 800 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft³/sx, 8.38 gal/sx water) Top of Cement: 9928.06 feet
 Compressives: 12-hr = 800 psi 24 hr = 1500 psi

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

5. Pressure Control Equipment

Once the permanent WH is installed on the 9.625 casing, the blow out preventer equipment (BOP) will consist of a 13-5/8" minimum 5M Hydril and a 13-5/8" minimum 5M Double Ram BOP. MASP should not exceed 4348 psi. In any instance where 10M BOP is required by BLM, XTO requests a variance to utilize 5M annular with 10M ram preventers (a common BOP configuration, which allows use of 10M rams in unlikely event that pressures exceed 5M).

All BOP testing will be done by an independent service company. Annular pressure tests will be limited to 50% of the working pressure. When nipping up on the 9.625, 5M bradenhead and flange, the BOP test will be limited to 5000 psi. When nipping up on the 7.625, the BOP will be tested to a minimum of 5000 psi. All BOP tests will include a low pressure test as per BLM regulations. The 5M BOP diagrams are attached. Blind rams will be functioned tested each trip, pipe rams will be functioned tested each day.

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

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

hole on each of the wells.

A variance is requested to **ONLY** test broken pressure seals on the BOP equipment when moving from wellhead to wellhead which is in compliance with API Standard 53. API standard 53 states, that for pad drilling operation, moving from one wellhead to another within 21 days, pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken. Based on discussions with the BLM on February 27th 2020, we will request permission to **ONLY** retest broken pressure seals if the following conditions are met: 1. After a full BOP test is conducted on the first well on the pad 2. When skidding to drill an intermediate section that does not penetrate into the Wolfcamp.

6. Proposed Mud Circulation System

INTERVAL	Hole Size	Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)
0' - 1133'	12.25	FW/Native	8.4-8.9	35-40	NC
1133' - 9728.06'	8.75	FW / Cut Brine / Direct Emulsion	10.2-10.7	30-32	NC
9728.06' - 21107.57'	6.75	OBM	12.5-13	50-60	NC - 20

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 9-5/8" surface casing with brine solution. A 9.7 ppg - 10.2 ppg cut brine mud will be used while drilling through the salt formation. Use fibrous materials as needed to control seepage and lost circulation. Pump viscous sweeps as needed for hole cleaning. Pump speed will be recorded on a daily drilling report after mudding up. A Pason or Totco will be used to detect changes in loss or gain of mud volume. A mud test will be performed every 24 hours to determine: density, viscosity, strength, filtration and pH as necessary. Use available solids controls equipment to help keep mud weight down after mud up. Rig up solids control equipment to operate as a closed loop system.

7. Auxiliary Well Control and Monitoring Equipment

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

8. Logging, Coring and Testing Program

Mud Logger: Mud Logging Unit (2 man) below intermediate casing.

Open hole logging will not be done on this well.

9. Abnormal Pressures and Temperatures / Potential Hazards

None Anticipated. BHT of 165 to 185 F is anticipated. No H2S is expected but monitors will be in place to detect any H2S occurrences. Should these circumstances be encountered the operator and drilling contractor are prepared to take all necessary steps to ensure safety of all personnel and environment. Lost circulation could occur but is not expected to be a serious problem in this area and hole seepage will be compensated for by additions of small amounts of LCM in the drilling fluid. The maximum anticipated bottom hole pressure for this well is 6572 psi.

10. Anticipated Starting Date and Duration of Operations

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

Well Plan Report - POKER LAKE UNIT 30-19 BS 104H

Measured Depth: 21107.57 ft
TVD RKB: 10102.00 ft
Location
Cartographic Reference System: New Mexico East - NAD 27
Northing: 403013.20 ft
Easting: 659992.80 ft
RKB: 3430.00 ft
Ground Level: 3389.00 ft
North Reference: Grid
Convergence Angle: 0.27 Deg

Site: 30-19
Slot: POKER LAKE UNIT 30-19 BS 104H

Plan Sections POKER LAKE UNIT 30-19 BS 104H

Measured Depth (ft)	Inclination (Deg)	Azimuth (Deg)	TVD			Build Rate (Deg/100ft)	Turn Rate (Deg/100ft)	Dogleg Rate (Deg/100ft)	Target
			RKB (ft)	Y Offset (ft)	X Offset (ft)				
0.00	0.00	0.00	9.00	0.00	0.00	0.00	0.00	0.00	
1100.00	0.00	0.00	1109.00	0.00	0.00	0.00	0.00	0.00	
2574.60	29.49	172.78	2519.34	-368.26	46.66	2.00	0.00	2.00	
5767.66	29.49	172.78	5298.66	-1927.74	244.28	0.00	0.00	0.00	
7242.26	0.00	0.00	6709.00	-2296.00	290.94	-2.00	0.00	2.00	
9928.06	0.00	0.00	9394.80	-2296.00	290.94	0.00	0.00	0.00	
11053.06	90.00	359.93	10111.00	-1579.80	290.10	8.00	0.00	8.00	FTP 3
21008.57	90.00	359.93	10111.00	8375.70	278.40	0.00	0.00	0.00	LTP 3
21107.57	90.00	359.93	10111.00	8474.70	278.28	0.00	0.00	0.00	BHL 3

Position Uncertainty POKER LAKE UNIT 30-19 BS 104H

Measured	TVD Highside	Lateral	Vertical	Magnitude	Semi-major	Semi-minor	Semi-minor	Tool
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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	2.486	0.000	0.000	3.642	2.775	128.423	MWD+IFR1+MS
900.000	0.000	0.000	900.000	3.696	0.000	3.502	0.000	2.532	0.000	0.000	4.014	3.133	128.602	MWD+IFR1+MS
1000.000	0.000	0.000	1000.000	4.058	0.000	3.865	0.000	2.582	0.000	0.000	4.384	3.491	128.744	MWD+IFR1+MS
1100.000	0.000	0.000	1100.000	4.419	0.000	4.228	0.000	2.635	0.000	0.000	4.752	3.849	128.859	MWD+IFR1+MS
1200.000	2.000	172.778	1199.980	4.707	0.000	4.639	-0.000	2.691	0.000	0.000	5.072	4.239	125.372	MWD+IFR1+MS
1300.000	4.000	172.778	1299.838	5.515	0.000	4.966	-0.000	2.752	0.000	0.000	5.799	4.642	113.288	MWD+IFR1+MS
1400.000	6.000	172.778	1399.452	6.234	0.000	5.297	-0.000	2.817	0.000	0.000	6.500	4.990	108.039	MWD+IFR1+MS
1500.000	8.000	172.778	1498.702	6.889	0.000	5.632	-0.000	2.890	0.000	0.000	7.159	5.325	105.320	MWD+IFR1+MS
1600.000	10.000	172.778	1597.465	7.497	0.000	5.972	-0.000	2.973	0.000	0.000	7.780	5.659	103.710	MWD+IFR1+MS
1700.000	12.000	172.778	1695.623	8.066	0.000	6.317	-0.000	3.068	0.000	0.000	8.369	5.997	102.676	MWD+IFR1+MS
1800.000	14.000	172.778	1793.055	8.604	0.000	6.670	-0.000	3.176	0.000	0.000	8.932	6.340	101.984	MWD+IFR1+MS
1900.000	16.000	172.778	1889.643	9.115	0.000	7.029	-0.000	3.299	0.000	0.000	9.472	6.692	101.514	MWD+IFR1+MS
2000.000	18.000	172.778	1985.268	9.604	0.000	7.398	-0.000	3.439	0.000	0.000	9.992	7.051	101.203	MWD+IFR1+MS
2100.000	20.000	172.778	2079.816	10.073	0.000	7.776	-0.000	3.597	0.000	0.000	10.496	7.421	101.013	MWD+IFR1+MS
2200.000	22.000	172.778	2173.169	10.526	0.000	8.164	-0.000	3.774	0.000	0.000	10.985	7.801	100.923	MWD+IFR1+MS
2300.000	24.000	172.778	2265.215	10.963	0.000	8.564	-0.000	3.970	0.000	0.000	11.461	8.192	100.921	MWD+IFR1+MS
2400.000	26.000	172.778	2355.841	11.387	0.000	8.977	-0.000	4.188	0.000	0.000	11.926	8.596	101.001	MWD+IFR1+MS
2500.000	28.000	172.778	2444.937	11.799	0.000	9.402	-0.000	4.427	0.000	0.000	12.380	9.013	101.161	MWD+IFR1+MS
2574.595	29.492	172.778	2510.337	12.027	0.000	9.722	-0.000	4.573	0.000	0.000	12.657	9.332	101.367	MWD+IFR1+MS
2600.000	29.492	172.778	2532.450	12.106	0.000	9.829	-0.000	4.604	0.000	0.000	12.728	9.441	101.461	MWD+IFR1+MS
2700.000	29.492	172.778	2619.493	12.419	0.000	10.269	-0.000	4.758	0.000	0.000	13.006	9.884	102.031	MWD+IFR1+MS
2800.000	29.492	172.778	2706.535	12.753	0.000	10.729	-0.000	4.926	0.000	0.000	13.305	10.339	102.809	MWD+IFR1+MS
2900.000	29.492	172.778	2793.578	13.098	0.000	11.196	-0.000	5.102	0.000	0.000	13.613	10.799	103.672	MWD+IFR1+MS

3000.000	29.492	172.778	2880.620	13.453	0.000	11.670	-0.000	5.285	0.000	0.000	13.931	11.265	104.630	MWD+IFR1+MS
3100.000	29.492	172.778	2967.663	13.816	0.000	12.150	-0.000	5.476	0.000	0.000	14.257	11.734	105.694	MWD+IFR1+MS
3200.000	29.492	172.778	3054.705	14.188	0.000	12.635	-0.000	5.672	0.000	0.000	14.592	12.206	106.876	MWD+IFR1+MS
3300.000	29.492	172.778	3141.748	14.567	0.000	13.124	-0.000	5.874	0.000	0.000	14.936	12.680	108.189	MWD+IFR1+MS
3400.000	29.492	172.778	3228.790	14.954	0.000	13.618	-0.000	6.080	0.000	0.000	15.288	13.155	109.647	MWD+IFR1+MS
3500.000	29.492	172.778	3315.833	15.347	0.000	14.115	-0.000	6.292	0.000	0.000	15.649	13.631	111.263	MWD+IFR1+MS
3600.000	29.492	172.778	3402.875	15.746	0.000	14.616	-0.000	6.507	0.000	0.000	16.018	14.106	113.050	MWD+IFR1+MS
3700.000	29.492	172.778	3489.918	16.151	0.000	15.119	-0.000	6.726	0.000	0.000	16.396	14.580	115.017	MWD+IFR1+MS
3800.000	29.492	172.778	3576.961	16.561	0.000	15.625	-0.000	6.948	0.000	0.000	16.783	15.052	117.169	MWD+IFR1+MS
3900.000	29.492	172.778	3664.003	16.975	0.000	16.134	-0.000	7.174	0.000	0.000	17.179	15.522	119.502	MWD+IFR1+MS
4000.000	29.492	172.778	3751.046	17.394	0.000	16.644	-0.000	7.403	0.000	0.000	17.585	15.987	122.002	MWD+IFR1+MS
4100.000	29.492	172.778	3838.088	17.818	0.000	17.157	-0.000	7.634	0.000	0.000	18.000	16.449	124.644	MWD+IFR1+MS
4200.000	29.492	172.778	3925.131	18.245	0.000	17.672	-0.000	7.868	0.000	0.000	18.426	16.906	127.389	MWD+IFR1+MS
4300.000	29.492	172.778	4012.173	18.676	0.000	18.188	-0.000	8.104	0.000	0.000	18.862	17.357	130.188	MWD+IFR1+MS
4400.000	29.492	172.778	4099.216	19.110	0.000	18.706	-0.000	8.342	0.000	0.000	19.307	17.803	132.988	MWD+IFR1+MS
4500.000	29.492	172.778	4186.258	19.547	0.000	19.225	-0.000	8.583	0.000	0.000	19.762	18.245	-44.266	MWD+IFR1+MS
4600.000	29.492	172.778	4273.301	19.988	0.000	19.745	-0.000	8.825	0.000	0.000	20.225	18.681	-41.624	MWD+IFR1+MS
4700.000	29.492	172.778	4360.343	20.431	0.000	20.267	-0.000	9.069	0.000	0.000	20.697	19.113	-39.121	MWD+IFR1+MS
4800.000	29.492	172.778	4447.386	20.876	0.000	20.790	-0.000	9.315	0.000	0.000	21.176	19.541	-36.784	MWD+IFR1+MS
4900.000	29.492	172.778	4534.428	21.324	0.000	21.314	-0.000	9.563	0.000	0.000	21.662	19.966	-34.626	MWD+IFR1+MS
5000.000	29.492	172.778	4621.471	21.774	0.000	21.838	-0.000	9.812	0.000	0.000	22.153	20.388	-32.650	MWD+IFR1+MS
5100.000	29.492	172.778	4708.513	22.227	0.000	22.364	-0.000	10.062	0.000	0.000	22.650	20.808	-30.850	MWD+IFR1+MS
5200.000	29.492	172.778	4795.556	22.681	0.000	22.890	-0.000	10.314	0.000	0.000	23.151	21.226	-29.218	MWD+IFR1+MS
5300.000	29.492	172.778	4882.598	23.137	0.000	23.418	-0.000	10.568	0.000	0.000	23.656	21.643	-27.740	MWD+IFR1+MS
5400.000	29.492	172.778	4969.641	23.595	0.000	23.946	-0.000	10.823	0.000	0.000	24.164	22.059	-26.404	MWD+IFR1+MS
5500.000	29.492	172.778	5056.683	24.055	0.000	24.474	-0.000	11.079	0.000	0.000	24.675	22.475	-25.195	MWD+IFR1+MS
5600.000	29.492	172.778	5143.726	24.516	0.000	25.003	-0.000	11.336	0.000	0.000	25.189	22.890	-24.099	MWD+IFR1+MS
5700.000	29.492	172.778	5230.769	24.979	0.000	25.533	-0.000	11.595	0.000	0.000	25.705	23.304	-23.106	MWD+IFR1+MS
5767.661	29.492	172.778	5289.663	25.290	0.000	25.889	-0.000	11.769	0.000	0.000	26.052	23.584	-22.448	MWD+IFR1+MS
5800.000	28.845	172.778	5317.900	25.471	0.000	26.057	-0.000	11.853	0.000	0.000	26.216	23.717	-22.141	MWD+IFR1+MS
5900.000	26.845	172.778	5406.317	26.046	0.000	26.573	-0.000	12.122	0.000	0.000	26.725	24.157	-21.645	MWD+IFR1+MS
6000.000	24.845	172.778	5496.310	26.638	0.000	27.078	-0.000	12.398	0.000	0.000	27.234	24.633	-21.738	MWD+IFR1+MS
6100.000	22.845	172.778	5587.770	27.184	0.000	27.567	-0.000	12.652	0.000	0.000	27.728	25.106	-21.899	MWD+IFR1+MS

6200.000	20.845	172.778	5680.584	27.685	0.000	28.041	-0.000	12.884	0.000	0.000	28.207	25.574	-22.124	MWD+IFR1+MS
6300.000	18.845	172.778	5774.641	28.140	0.000	28.498	-0.000	13.097	0.000	0.000	28.671	26.035	-22.408	MWD+IFR1+MS
6400.000	16.845	172.778	5869.825	28.548	0.000	28.939	-0.000	13.291	0.000	0.000	29.119	26.487	-22.750	MWD+IFR1+MS
6500.000	14.845	172.778	5966.020	28.910	0.000	29.362	-0.000	13.469	0.000	0.000	29.551	26.931	-23.146	MWD+IFR1+MS
6600.000	12.845	172.778	6063.110	29.224	0.000	29.768	-0.000	13.630	0.000	0.000	29.966	27.363	-23.597	MWD+IFR1+MS
6700.000	10.845	172.778	6160.975	29.491	0.000	30.156	-0.000	13.778	0.000	0.000	30.365	27.784	-24.099	MWD+IFR1+MS
6800.000	8.845	172.778	6259.498	29.711	0.000	30.526	-0.000	13.912	0.000	0.000	30.746	28.191	-24.653	MWD+IFR1+MS
6900.000	6.845	172.778	6358.557	29.884	0.000	30.878	-0.000	14.036	0.000	0.000	31.111	28.585	-25.257	MWD+IFR1+MS
7000.000	4.845	172.778	6458.032	30.010	0.000	31.212	-0.000	14.150	0.000	0.000	31.459	28.964	-25.910	MWD+IFR1+MS
7100.000	2.845	172.778	6557.802	30.089	0.000	31.528	-0.000	14.256	0.000	0.000	31.790	29.328	-26.611	MWD+IFR1+MS
7200.000	0.845	172.778	6657.745	30.122	0.000	31.826	-0.000	14.356	0.000	0.000	32.104	29.675	-27.358	MWD+IFR1+MS
7242.257	0.000	0.000	6700.000	30.313	0.000	31.716	0.000	14.397	0.000	0.000	32.212	29.786	-27.319	MWD+IFR1+MS
7300.000	0.000	0.000	6757.743	30.456	0.000	31.852	0.000	14.452	0.000	0.000	32.347	29.929	-27.360	MWD+IFR1+MS
7400.000	0.000	0.000	6857.743	30.704	0.000	32.090	0.000	14.550	0.000	0.000	32.586	30.177	-27.422	MWD+IFR1+MS
7500.000	0.000	0.000	6957.743	30.956	0.000	32.334	0.000	14.650	0.000	0.000	32.832	30.428	-27.512	MWD+IFR1+MS
7600.000	0.000	0.000	7057.743	31.211	0.000	32.579	0.000	14.754	0.000	0.000	33.079	30.681	-27.602	MWD+IFR1+MS
7700.000	0.000	0.000	7157.743	31.468	0.000	32.826	0.000	14.860	0.000	0.000	33.328	30.936	-27.691	MWD+IFR1+MS
7800.000	0.000	0.000	7257.743	31.726	0.000	33.076	0.000	14.969	0.000	0.000	33.580	31.192	-27.779	MWD+IFR1+MS
7900.000	0.000	0.000	7357.743	31.987	0.000	33.327	0.000	15.082	0.000	0.000	33.833	31.451	-27.866	MWD+IFR1+MS
8000.000	0.000	0.000	7457.743	32.249	0.000	33.580	0.000	15.197	0.000	0.000	34.088	31.712	-27.952	MWD+IFR1+MS
8100.000	0.000	0.000	7557.743	32.513	0.000	33.836	0.000	15.315	0.000	0.000	34.345	31.975	-28.037	MWD+IFR1+MS
8200.000	0.000	0.000	7657.743	32.780	0.000	34.093	0.000	15.437	0.000	0.000	34.604	32.239	-28.122	MWD+IFR1+MS
8300.000	0.000	0.000	7757.743	33.047	0.000	34.352	0.000	15.561	0.000	0.000	34.864	32.506	-28.205	MWD+IFR1+MS
8400.000	0.000	0.000	7857.743	33.317	0.000	34.612	0.000	15.689	0.000	0.000	35.127	32.774	-28.287	MWD+IFR1+MS
8500.000	0.000	0.000	7957.743	33.588	0.000	34.875	0.000	15.820	0.000	0.000	35.391	33.044	-28.369	MWD+IFR1+MS
8600.000	0.000	0.000	8057.743	33.861	0.000	35.139	0.000	15.954	0.000	0.000	35.657	33.315	-28.449	MWD+IFR1+MS
8700.000	0.000	0.000	8157.743	34.135	0.000	35.405	0.000	16.092	0.000	0.000	35.924	33.588	-28.529	MWD+IFR1+MS
8800.000	0.000	0.000	8257.743	34.411	0.000	35.672	0.000	16.232	0.000	0.000	36.193	33.863	-28.608	MWD+IFR1+MS
8900.000	0.000	0.000	8357.743	34.688	0.000	35.941	0.000	16.377	0.000	0.000	36.463	34.139	-28.686	MWD+IFR1+MS
9000.000	0.000	0.000	8457.743	34.967	0.000	36.212	0.000	16.524	0.000	0.000	36.735	34.417	-28.763	MWD+IFR1+MS
9100.000	0.000	0.000	8557.743	35.248	0.000	36.484	0.000	16.675	0.000	0.000	37.009	34.696	-28.840	MWD+IFR1+MS
9200.000	0.000	0.000	8657.743	35.529	0.000	36.757	0.000	16.829	0.000	0.000	37.284	34.977	-28.915	MWD+IFR1+MS
9300.000	0.000	0.000	8757.743	35.813	0.000	37.032	0.000	16.987	0.000	0.000	37.560	35.259	-28.990	MWD+IFR1+MS

9400.000	0.000	0.000	8857.743	36.097	0.000	37.309	0.000	17.148	0.000	0.000	37.838	35.542	-29.064	MWD+IFR1+MS
9500.000	0.000	0.000	8957.743	36.383	0.000	37.586	0.000	17.313	0.000	0.000	38.117	35.827	-29.138	MWD+IFR1+MS
9600.000	0.000	0.000	9057.743	36.670	0.000	37.866	0.000	17.481	0.000	0.000	38.397	36.113	-29.210	MWD+IFR1+MS
9700.000	0.000	0.000	9157.743	36.958	0.000	38.146	0.000	17.653	0.000	0.000	38.679	36.400	-29.282	MWD+IFR1+MS
9800.000	0.000	0.000	9257.743	37.248	0.000	38.428	0.000	17.828	0.000	0.000	38.962	36.689	-29.353	MWD+IFR1+MS
9900.000	0.000	0.000	9357.743	37.538	0.000	38.711	0.000	18.007	0.000	0.000	39.246	36.979	-29.424	MWD+IFR1+MS
9928.059	0.000	0.000	9385.803	37.619	0.000	38.789	0.000	18.058	0.000	0.000	39.324	37.060	-29.428	MWD+IFR1+MS
10000.000	5.755	359.933	9457.622	36.787	0.000	38.987	0.000	18.187	0.000	0.000	39.541	37.312	-30.316	MWD+IFR1+MS
10100.000	13.755	359.933	9556.096	35.891	0.000	39.241	0.000	18.412	0.000	0.000	40.088	38.042	-40.499	MWD+IFR1+MS
10200.000	21.755	359.933	9651.256	34.830	0.000	39.469	0.000	18.792	0.000	0.000	40.863	38.649	127.037	MWD+IFR1+MS
10300.000	29.755	359.933	9741.249	33.412	0.000	39.671	0.000	19.390	0.000	0.000	41.652	39.029	119.172	MWD+IFR1+MS
10400.000	37.755	359.933	9824.323	31.789	0.000	39.845	0.000	20.246	0.000	0.000	42.345	39.285	114.845	MWD+IFR1+MS
10500.000	45.755	359.933	9898.862	30.154	0.000	39.994	0.000	21.370	0.000	0.000	42.893	39.469	112.558	MWD+IFR1+MS
10600.000	53.755	359.933	9963.415	28.738	0.000	40.118	0.000	22.739	0.000	0.000	43.286	39.603	111.459	MWD+IFR1+MS
10700.000	61.755	359.933	10016.725	27.791	0.000	40.220	0.000	24.305	0.000	0.000	43.538	39.699	111.092	MWD+IFR1+MS
10800.000	69.755	359.933	10057.755	27.535	0.000	40.300	0.000	26.010	0.000	0.000	43.671	39.765	111.177	MWD+IFR1+MS
10900.000	77.755	359.933	10085.707	28.102	0.000	40.359	0.000	27.789	0.000	0.000	43.720	39.809	111.491	MWD+IFR1+MS
11000.000	85.755	359.933	10100.035	29.487	0.000	40.399	0.000	29.578	0.000	0.000	43.722	39.838	111.808	MWD+IFR1+MS
11053.059	90.000	359.933	10102.000	29.988	0.000	40.410	0.000	29.988	0.000	0.000	43.717	39.848	111.865	MWD+IFR1+MS
11100.000	90.000	359.933	10102.000	30.168	0.000	40.418	0.000	30.168	0.000	0.000	43.715	39.856	111.888	MWD+IFR1+MS
11200.000	90.000	359.933	10102.000	30.512	0.000	40.454	0.000	30.512	0.000	0.000	43.712	39.891	112.036	MWD+IFR1+MS
11300.000	90.000	359.933	10102.000	30.876	0.000	40.511	0.000	30.876	0.000	0.000	43.712	39.944	112.293	MWD+IFR1+MS
11400.000	90.000	359.933	10102.000	31.254	0.000	40.588	0.000	31.254	0.000	0.000	43.716	40.014	112.655	MWD+IFR1+MS
11500.000	90.000	359.933	10102.000	31.648	0.000	40.683	0.000	31.648	0.000	0.000	43.723	40.100	113.133	MWD+IFR1+MS
11600.000	90.000	359.933	10102.000	32.056	0.000	40.798	0.000	32.056	0.000	0.000	43.735	40.201	113.737	MWD+IFR1+MS
11700.000	90.000	359.933	10102.000	32.478	0.000	40.931	0.000	32.478	0.000	0.000	43.750	40.317	114.484	MWD+IFR1+MS
11800.000	90.000	359.933	10102.000	32.913	0.000	41.082	0.000	32.913	0.000	0.000	43.770	40.448	115.392	MWD+IFR1+MS
11900.000	90.000	359.933	10102.000	33.361	0.000	41.251	0.000	33.361	0.000	0.000	43.796	40.591	116.485	MWD+IFR1+MS
12000.000	90.000	359.933	10102.000	33.821	0.000	41.439	0.000	33.821	0.000	0.000	43.828	40.747	117.791	MWD+IFR1+MS
12100.000	90.000	359.933	10102.000	34.293	0.000	41.645	0.000	34.293	0.000	0.000	43.869	40.912	119.342	MWD+IFR1+MS
12200.000	90.000	359.933	10102.000	34.777	0.000	41.868	0.000	34.777	0.000	0.000	43.919	41.087	121.175	MWD+IFR1+MS
12300.000	90.000	359.933	10102.000	35.271	0.000	42.108	0.000	35.271	0.000	0.000	43.981	41.267	123.328	MWD+IFR1+MS
12400.000	90.000	359.933	10102.000	35.775	0.000	42.365	0.000	35.775	0.000	0.000	44.057	41.451	125.832	MWD+IFR1+MS

12500.000	90.000	359.933	10102.000	36.290	0.000	42.639	0.000	36.290	0.000	0.000	44.150	41.634	128.708	MWD+IFR1+MS
12600.000	90.000	359.933	10102.000	36.814	0.000	42.929	0.000	36.814	0.000	0.000	44.265	41.814	131.946	MWD+IFR1+MS
12700.000	90.000	359.933	10102.000	37.347	0.000	43.235	0.000	37.347	0.000	0.000	44.404	41.985	-44.502	MWD+IFR1+MS
12800.000	90.000	359.933	10102.000	37.889	0.000	43.557	0.000	37.889	0.000	0.000	44.571	42.144	-40.733	MWD+IFR1+MS
12900.000	90.000	359.933	10102.000	38.439	0.000	43.894	0.000	38.439	0.000	0.000	44.768	42.289	-36.885	MWD+IFR1+MS
13000.000	90.000	359.933	10102.000	38.998	0.000	44.246	0.000	38.998	0.000	0.000	44.998	42.418	-33.112	MWD+IFR1+MS
13100.000	90.000	359.933	10102.000	39.564	0.000	44.613	0.000	39.564	0.000	0.000	45.258	42.530	-29.548	MWD+IFR1+MS
13200.000	90.000	359.933	10102.000	40.137	0.000	44.994	0.000	40.137	0.000	0.000	45.550	42.626	-26.287	MWD+IFR1+MS
13300.000	90.000	359.933	10102.000	40.718	0.000	45.389	0.000	40.718	0.000	0.000	45.869	42.709	-23.375	MWD+IFR1+MS
13400.000	90.000	359.933	10102.000	41.305	0.000	45.797	0.000	41.305	0.000	0.000	46.214	42.780	-20.817	MWD+IFR1+MS
13500.000	90.000	359.933	10102.000	41.898	0.000	46.219	0.000	41.898	0.000	0.000	46.583	42.842	-18.593	MWD+IFR1+MS
13600.000	90.000	359.933	10102.000	42.498	0.000	46.653	0.000	42.498	0.000	0.000	46.973	42.895	-16.667	MWD+IFR1+MS
13700.000	90.000	359.933	10102.000	43.104	0.000	47.100	0.000	43.104	0.000	0.000	47.382	42.942	-15.002	MWD+IFR1+MS
13800.000	90.000	359.933	10102.000	43.716	0.000	47.559	0.000	43.716	0.000	0.000	47.809	42.984	-13.560	MWD+IFR1+MS
13900.000	90.000	359.933	10102.000	44.333	0.000	48.030	0.000	44.333	0.000	0.000	48.253	43.021	-12.309	MWD+IFR1+MS
14000.000	90.000	359.933	10102.000	44.955	0.000	48.512	0.000	44.955	0.000	0.000	48.712	43.055	-11.218	MWD+IFR1+MS
14100.000	90.000	359.933	10102.000	45.582	0.000	49.005	0.000	45.582	0.000	0.000	49.185	43.087	-10.263	MWD+IFR1+MS
14200.000	90.000	359.933	10102.000	46.214	0.000	49.509	0.000	46.214	0.000	0.000	49.671	43.116	-9.424	MWD+IFR1+MS
14300.000	90.000	359.933	10102.000	46.851	0.000	50.024	0.000	46.851	0.000	0.000	50.171	43.144	-8.682	MWD+IFR1+MS
14400.000	90.000	359.933	10102.000	47.492	0.000	50.548	0.000	47.492	0.000	0.000	50.682	43.171	-8.024	MWD+IFR1+MS
14500.000	90.000	359.933	10102.000	48.137	0.000	51.083	0.000	48.137	0.000	0.000	51.205	43.196	-7.438	MWD+IFR1+MS
14600.000	90.000	359.933	10102.000	48.787	0.000	51.627	0.000	48.787	0.000	0.000	51.738	43.220	-6.914	MWD+IFR1+MS
14700.000	90.000	359.933	10102.000	49.440	0.000	52.180	0.000	49.440	0.000	0.000	52.282	43.244	-6.442	MWD+IFR1+MS
14800.000	90.000	359.933	10102.000	50.097	0.000	52.742	0.000	50.097	0.000	0.000	52.836	43.268	-6.018	MWD+IFR1+MS
14900.000	90.000	359.933	10102.000	50.758	0.000	53.313	0.000	50.758	0.000	0.000	53.399	43.291	-5.633	MWD+IFR1+MS
15000.000	90.000	359.933	10102.000	51.422	0.000	53.892	0.000	51.422	0.000	0.000	53.971	43.313	-5.284	MWD+IFR1+MS
15100.000	90.000	359.933	10102.000	52.090	0.000	54.479	0.000	52.090	0.000	0.000	54.552	43.336	-4.967	MWD+IFR1+MS
15200.000	90.000	359.933	10102.000	52.761	0.000	55.074	0.000	52.761	0.000	0.000	55.142	43.359	-4.677	MWD+IFR1+MS
15300.000	90.000	359.933	10102.000	53.435	0.000	55.676	0.000	53.435	0.000	0.000	55.739	43.381	-4.411	MWD+IFR1+MS
15400.000	90.000	359.933	10102.000	54.111	0.000	56.286	0.000	54.111	0.000	0.000	56.344	43.404	-4.167	MWD+IFR1+MS
15500.000	90.000	359.933	10102.000	54.791	0.000	56.903	0.000	54.791	0.000	0.000	56.957	43.427	-3.943	MWD+IFR1+MS
15600.000	90.000	359.933	10102.000	55.474	0.000	57.527	0.000	55.474	0.000	0.000	57.577	43.449	-3.736	MWD+IFR1+MS
15700.000	90.000	359.933	10102.000	56.159	0.000	58.157	0.000	56.159	0.000	0.000	58.204	43.473	-3.544	MWD+IFR1+MS

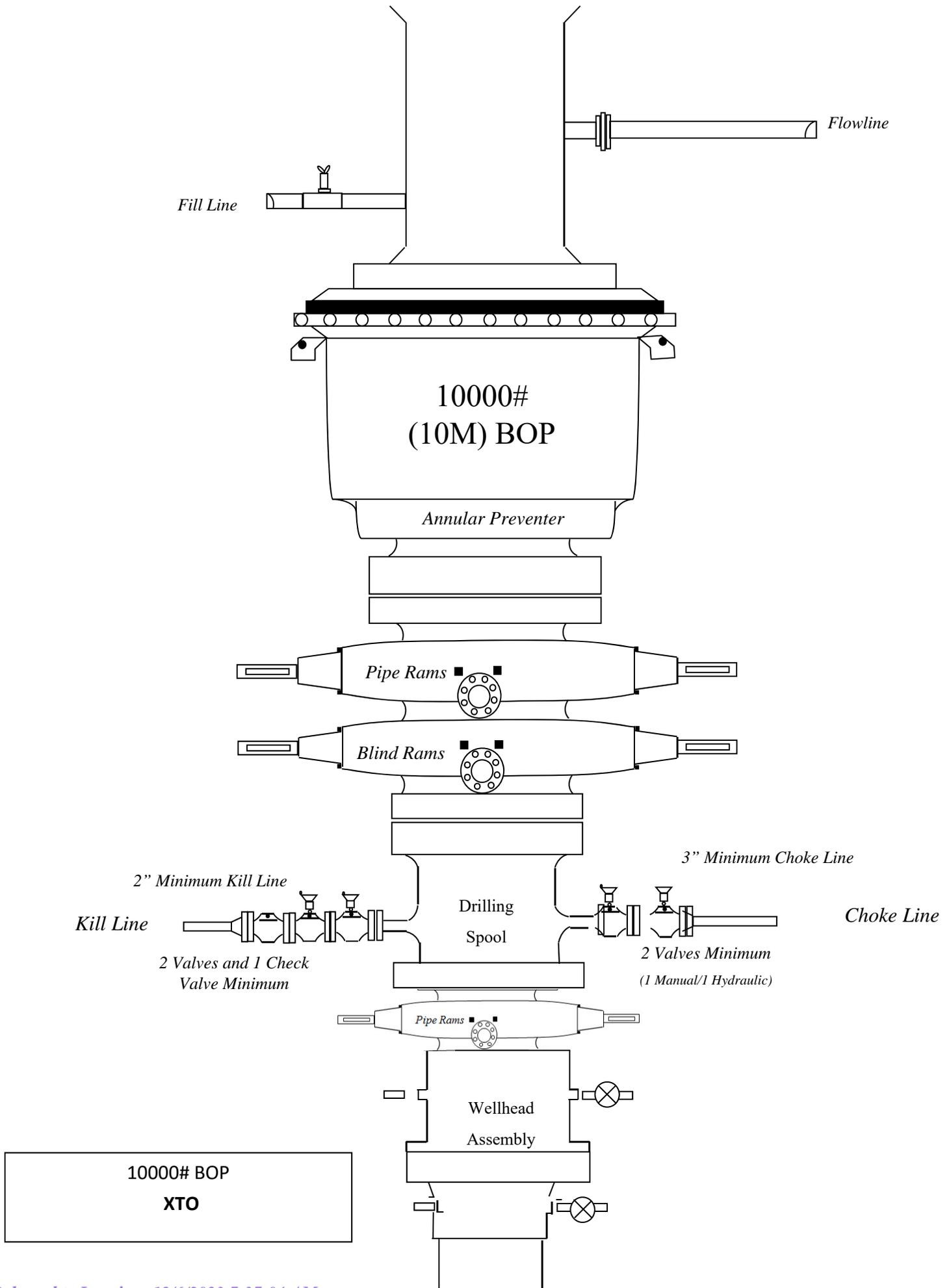
15800.000	90.000	359.933	10102.000	56.847	0.000	58.794	0.000	56.847	0.000	0.000	58.838	43.496	-3.367	MWD+IFR1+MS
15900.000	90.000	359.933	10102.000	57.537	0.000	59.437	0.000	57.537	0.000	0.000	59.478	43.519	-3.202	MWD+IFR1+MS
16000.000	90.000	359.933	10102.000	58.230	0.000	60.086	0.000	58.230	0.000	0.000	60.125	43.543	-3.049	MWD+IFR1+MS
16100.000	90.000	359.933	10102.000	58.925	0.000	60.741	0.000	58.925	0.000	0.000	60.778	43.567	-2.906	MWD+IFR1+MS
16200.000	90.000	359.933	10102.000	59.622	0.000	61.402	0.000	59.622	0.000	0.000	61.436	43.592	-2.773	MWD+IFR1+MS
16300.000	90.000	359.933	10102.000	60.321	0.000	62.068	0.000	60.321	0.000	0.000	62.100	43.617	-2.649	MWD+IFR1+MS
16400.000	90.000	359.933	10102.000	61.023	0.000	62.739	0.000	61.023	0.000	0.000	62.769	43.642	-2.532	MWD+IFR1+MS
16500.000	90.000	359.933	10102.000	61.726	0.000	63.416	0.000	61.726	0.000	0.000	63.444	43.667	-2.423	MWD+IFR1+MS
16600.000	90.000	359.933	10102.000	62.432	0.000	64.098	0.000	62.432	0.000	0.000	64.124	43.693	-2.320	MWD+IFR1+MS
16700.000	90.000	359.933	10102.000	63.139	0.000	64.784	0.000	63.139	0.000	0.000	64.809	43.719	-2.224	MWD+IFR1+MS
16800.000	90.000	359.933	10102.000	63.848	0.000	65.475	0.000	63.848	0.000	0.000	65.498	43.746	-2.133	MWD+IFR1+MS
16900.000	90.000	359.933	10102.000	64.559	0.000	66.170	0.000	64.559	0.000	0.000	66.193	43.773	-2.048	MWD+IFR1+MS
17000.000	90.000	359.933	10102.000	65.272	0.000	66.870	0.000	65.272	0.000	0.000	66.891	43.800	-1.967	MWD+IFR1+MS
17100.000	90.000	359.933	10102.000	65.986	0.000	67.574	0.000	65.986	0.000	0.000	67.594	43.828	-1.891	MWD+IFR1+MS
17200.000	90.000	359.933	10102.000	66.701	0.000	68.282	0.000	66.701	0.000	0.000	68.301	43.856	-1.819	MWD+IFR1+MS
17300.000	90.000	359.933	10102.000	67.419	0.000	68.995	0.000	67.419	0.000	0.000	69.012	43.885	-1.751	MWD+IFR1+MS
17400.000	90.000	359.933	10102.000	68.138	0.000	69.711	0.000	68.138	0.000	0.000	69.727	43.914	-1.686	MWD+IFR1+MS
17500.000	90.000	359.933	10102.000	68.858	0.000	70.430	0.000	68.858	0.000	0.000	70.446	43.944	-1.625	MWD+IFR1+MS
17600.000	90.000	359.933	10102.000	69.579	0.000	71.154	0.000	69.579	0.000	0.000	71.169	43.974	-1.567	MWD+IFR1+MS
17700.000	90.000	359.933	10102.000	70.302	0.000	71.881	0.000	70.302	0.000	0.000	71.895	44.004	-1.512	MWD+IFR1+MS
17800.000	90.000	359.933	10102.000	71.027	0.000	72.611	0.000	71.027	0.000	0.000	72.624	44.035	-1.460	MWD+IFR1+MS
17900.000	90.000	359.933	10102.000	71.752	0.000	73.344	0.000	71.752	0.000	0.000	73.357	44.067	-1.410	MWD+IFR1+MS
18000.000	90.000	359.933	10102.000	72.479	0.000	74.081	0.000	72.479	0.000	0.000	74.094	44.098	-1.362	MWD+IFR1+MS
18100.000	90.000	359.933	10102.000	73.207	0.000	74.821	0.000	73.207	0.000	0.000	74.833	44.131	-1.317	MWD+IFR1+MS
18200.000	90.000	359.933	10102.000	73.936	0.000	75.564	0.000	73.936	0.000	0.000	75.575	44.163	-1.274	MWD+IFR1+MS
18300.000	90.000	359.933	10102.000	74.666	0.000	76.310	0.000	74.666	0.000	0.000	76.321	44.196	-1.233	MWD+IFR1+MS
18400.000	90.000	359.933	10102.000	75.398	0.000	77.059	0.000	75.398	0.000	0.000	77.069	44.230	-1.193	MWD+IFR1+MS
18500.000	90.000	359.933	10102.000	76.130	0.000	77.810	0.000	76.130	0.000	0.000	77.820	44.264	-1.156	MWD+IFR1+MS
18600.000	90.000	359.933	10102.000	76.864	0.000	78.565	0.000	76.864	0.000	0.000	78.574	44.299	-1.120	MWD+IFR1+MS
18700.000	90.000	359.933	10102.000	77.598	0.000	79.321	0.000	77.598	0.000	0.000	79.330	44.334	-1.085	MWD+IFR1+MS
18800.000	90.000	359.933	10102.000	78.334	0.000	80.081	0.000	78.334	0.000	0.000	80.089	44.369	-1.052	MWD+IFR1+MS
18900.000	90.000	359.933	10102.000	79.070	0.000	80.842	0.000	79.070	0.000	0.000	80.850	44.405	-1.021	MWD+IFR1+MS
19000.000	90.000	359.933	10102.000	79.807	0.000	81.607	0.000	79.807	0.000	0.000	81.614	44.441	-0.991	MWD+IFR1+MS

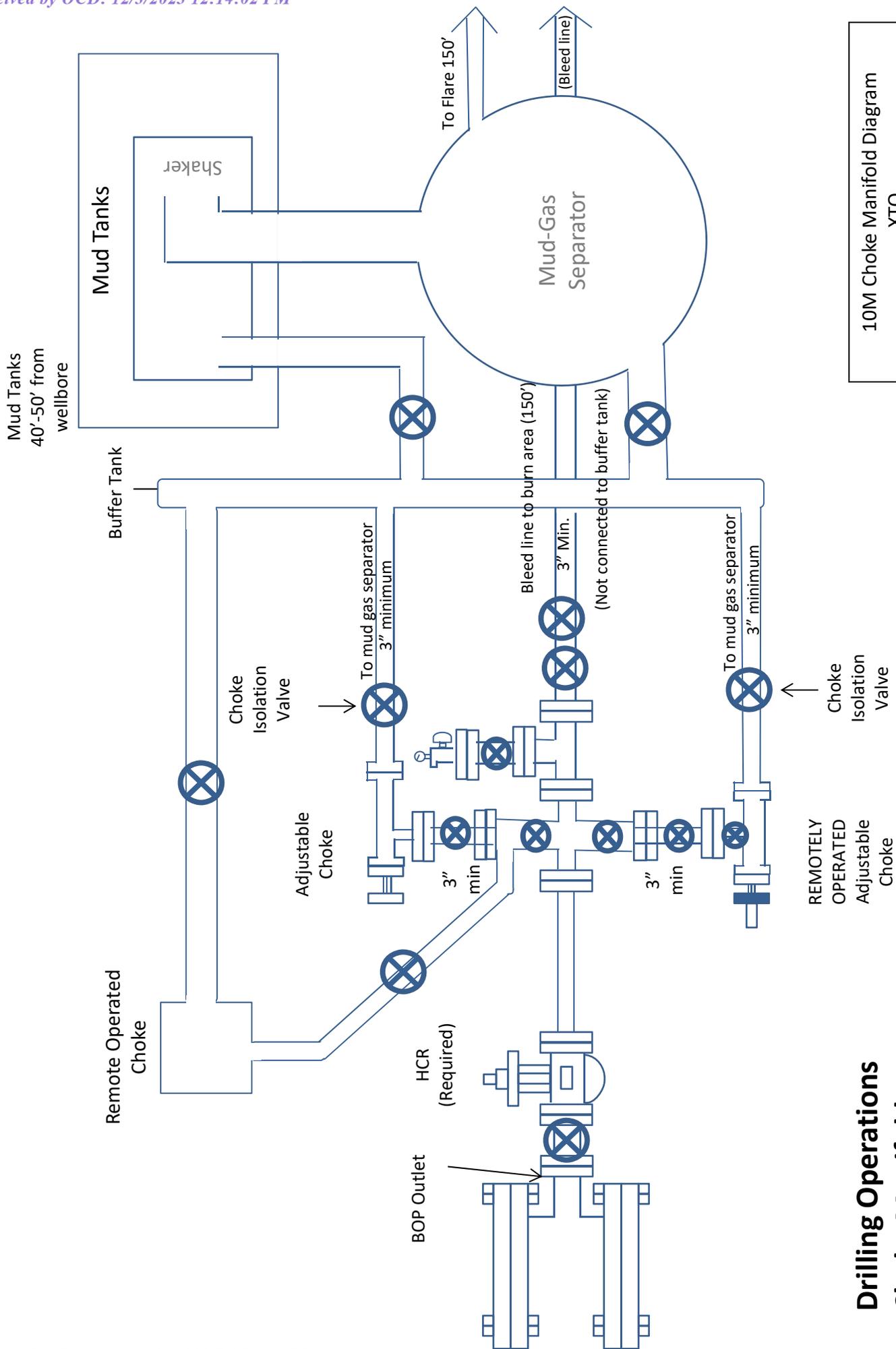
19100.000	90.000	359.933	10102.000	80.546	0.000	82.373	0.000	80.546	0.000	0.000	82.380	44.478	-0.962	MWD+IFR1+MS
19200.000	90.000	359.933	10102.000	81.285	0.000	83.142	0.000	81.285	0.000	0.000	83.149	44.516	-0.934	MWD+IFR1+MS
19300.000	90.000	359.933	10102.000	82.025	0.000	83.913	0.000	82.025	0.000	0.000	83.920	44.553	-0.907	MWD+IFR1+MS
19400.000	90.000	359.933	10102.000	82.765	0.000	84.686	0.000	82.765	0.000	0.000	84.692	44.592	-0.881	MWD+IFR1+MS
19500.000	90.000	359.933	10102.000	83.507	0.000	85.461	0.000	83.507	0.000	0.000	85.467	44.630	-0.857	MWD+IFR1+MS
19600.000	90.000	359.933	10102.000	84.249	0.000	86.239	0.000	84.249	0.000	0.000	86.244	44.669	-0.833	MWD+IFR1+MS
19700.000	90.000	359.933	10102.000	84.992	0.000	87.018	0.000	84.992	0.000	0.000	87.023	44.709	-0.810	MWD+IFR1+MS
19800.000	90.000	359.933	10102.000	85.736	0.000	87.799	0.000	85.736	0.000	0.000	87.804	44.749	-0.788	MWD+IFR1+MS
19900.000	90.000	359.933	10102.000	86.481	0.000	88.582	0.000	86.481	0.000	0.000	88.587	44.790	-0.767	MWD+IFR1+MS
20000.000	90.000	359.933	10102.000	87.226	0.000	89.367	0.000	87.226	0.000	0.000	89.372	44.831	-0.747	MWD+IFR1+MS
20100.000	90.000	359.933	10102.000	87.972	0.000	90.154	0.000	87.972	0.000	0.000	90.158	44.872	-0.727	MWD+IFR1+MS
20200.000	90.000	359.933	10102.000	88.719	0.000	90.942	0.000	88.719	0.000	0.000	90.946	44.914	-0.708	MWD+IFR1+MS
20300.000	90.000	359.933	10102.000	89.466	0.000	91.732	0.000	89.466	0.000	0.000	91.736	44.956	-0.690	MWD+IFR1+MS
20400.000	90.000	359.933	10102.000	90.214	0.000	92.524	0.000	90.214	0.000	0.000	92.528	44.999	-0.673	MWD+IFR1+MS
20500.000	90.000	359.933	10102.000	90.963	0.000	93.317	0.000	90.963	0.000	0.000	93.321	45.042	-0.656	MWD+IFR1+MS
20600.000	90.000	359.933	10102.000	91.712	0.000	94.112	0.000	91.712	0.000	0.000	94.115	45.086	-0.639	MWD+IFR1+MS
20700.000	90.000	359.933	10102.000	92.461	0.000	94.908	0.000	92.461	0.000	0.000	94.912	45.130	-0.624	MWD+IFR1+MS
20800.000	90.000	359.933	10102.000	93.212	0.000	95.706	0.000	93.212	0.000	0.000	95.709	45.175	-0.608	MWD+IFR1+MS
20900.000	90.000	359.933	10102.000	93.963	0.000	96.505	0.000	93.963	0.000	0.000	96.508	45.220	-0.594	MWD+IFR1+MS
21008.566	90.000	359.933	10102.000	94.779	0.000	97.375	0.000	94.779	0.000	0.000	97.378	45.269	-0.578	MWD+IFR1+MS
21107.570	90.000	359.933	10102.000	95.524	0.000	98.169	0.000	95.524	0.000	0.000	98.172	45.315	-0.564	MWD+IFR1+MS

Plan Targets

POKER LAKE UNIT 30-19 BS 104H

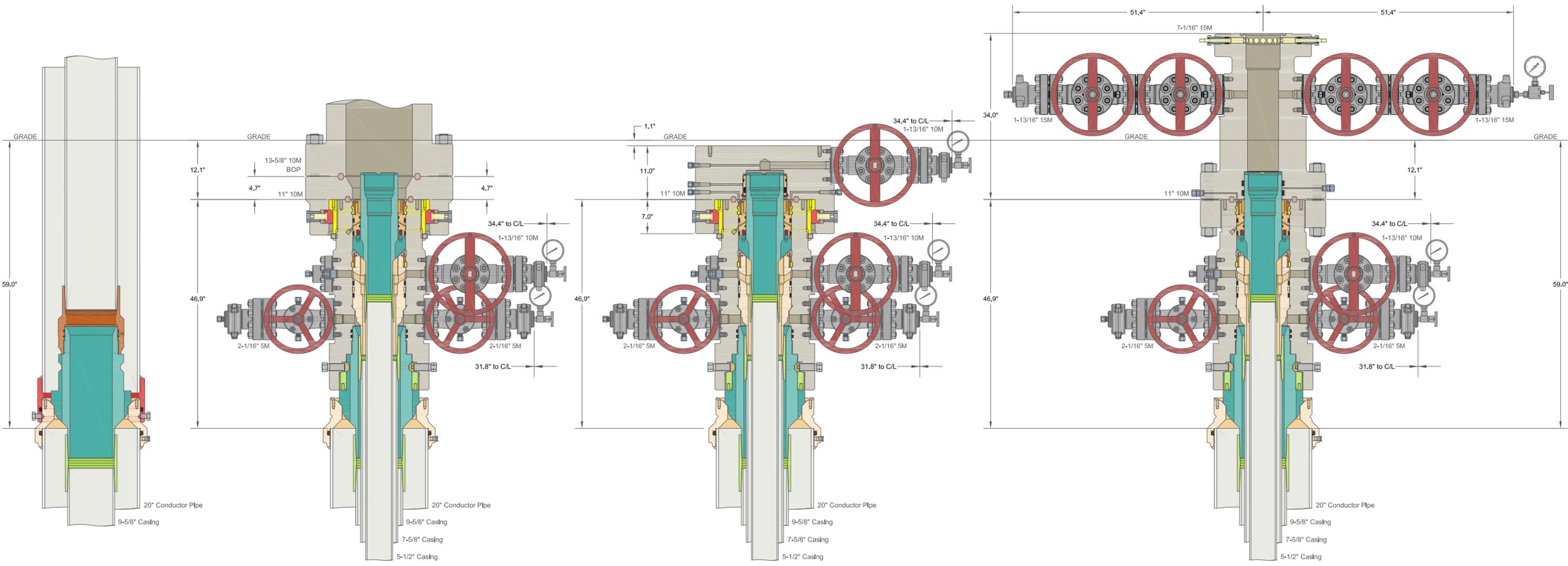
Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
FTP 3	11062.06	401433.40	660282.90	6681.00	RECTANGLE
LTP 3	21017.57	411388.90	660271.20	6681.00	RECTANGLE
BHL 3	21116.57	411487.90	660271.20	6681.00	RECTANGLE





10M Choke Manifold Diagram XTO

Drilling Operations Choke Manifold 10M Service



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ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC		XTO ENERGY INC DELAWARE BASIN	
		DRAWN	VJK
20" x 9-5/8" x 7-5/8" x 5-1/2" MBU-T-CFL-R-DBLO Wellhead With 11" 10M x 7-1/16" 15M CTH-DBLHPS Tubing Head And 9-5/8", 7-5/8" & 5-1/2" Pin Bottom Mandrel Casing Hangers		APPRV	31MAR22
		DRAWING NO. HBE0000479	

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 290475

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 290475
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	All original COA's still apply.	12/6/2023