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

Sundry Print Report

12/03/2023

Well Name: POKER LAKE UNIT 30-19 BS	**Well Location:** T25S / R31E / SEC 30 / SWNE /	**County or Parish/State:**
Well Number: 105H	**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: 3001553545	**Well Status:** Approved Application for Permit to Drill	**Operator:** XTO PERMIAN OPERATING LLC

Notice of Intent

Sundry ID: 2758544

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 10/29/2023

Time Sundry Submitted: 08:57

Date proposed operation will begin: 11/06/2023

Procedure Description: PLU 30-19 BS 105H API# 30-015-53545 ** 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 & 2010'FEL to 2115'FNL & 943'FEL PPP2: 2655' FNL & 963' FEL LTP: fr/100'FNL &2010'FEL to 2541'FSL & 960'FEL BHL: fr/50'FNL & 2010'FEL to 2640'FSL & 960'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_105H_Sundry_Attachments_20231029205635.pdf

Well Name: POKER LAKE UNIT 30-19 BS	**Well Location:** T25S / R31E / SEC 30 / SWNE /	**County or Parish/State:**
Well Number: 105H	**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: 3001553545	**Well Status:** Approved Application for Permit to Drill	**Operator:** XTO PERMIAN OPERATING LLC

Conditions of Approval

Additional

Sec_30_25S_31E_NMP_Sundry_2758544_Poker_Lake_Unit_30_19_BS_105H_COAs_20231127141322.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 08:57 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.

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No. NMLC061634B

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No. NMNM71016X

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

8. Well Name and No. POKER LAKE UNIT 30-19 BS/105H

2. Name of Operator XTO PERMIAN OPERATING LLC

9. API Well No.

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

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

10. Field and Pool or Exploratory Area PURPLE SAGE/WOLFCAMP (GAS)

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* SEC 30/T25S/R31E/NMP

11. Country or Parish, State EDDY/NM

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

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

PLU 30-19 BS 105H API# 30-015-53545

** 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 & 2010FEL to 2115FNL & 943FEL

PPP2: 2655 FNL & 963 FEL

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

Title Regulatory Analyst

Signature (Electronic Submission)

Date 10/29/2023

THE SPACE FOR FEDERAL OR STATE OFICE USE

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

Title Petroleum Engineer

Date 12/01/2023

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

Office CARLSBAD

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

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

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

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

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

Additional Information

Additional Remarks

LTP: fr/100FNL &2010FEL to 2541FSL & 960FEL

BHL: fr/50FNL & 2010FEL to 2640FSL & 960FEL, 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: SWNE / 1696 FNL / 1931 FEL / TWSP: 25S / RANGE: 31E / SECTION: 30 / LAT: 32.103878 / LONG: -103.815105 (TVD: 0 feet, MD: 0 feet)
PPP: SWNE / 2310 FNL / 2010 FEL / TWSP: 25S / RANGE: 31E / SECTION: 30 / LAT: 32.102188 / LONG: -103.815377 (TVD: 11019 feet, MD: 11100 feet)
PPP: SWSE / 2310 FNL / 2010 FEL / TWSP: 25S / RANGE: 31E / SECTION: 19 / LAT: 32.114027 / LONG: -103.815224 (TVD: 11510 feet, MD: 13800 feet)
BHL: NWNE / 50 FNL / 2010 FEL / TWSP: 25S / RANGE: 31E / SECTION: 19 / LAT: 32.123019 / LONG: -103.81519 (TVD: 11510 feet, MD: 19495 feet)

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO Permian Operating LLC
WELL NAME & NO.:	Poker Lake Unit 30-19 BS 105H
LOCATION:	Sec 30-25S-31E-NMP
COUNTY:	Eddy County, New Mexico

*Changes approved through engineering via **Sundry 2758544** on 11/27/2023. Any previous COAs not addressed within the updated COAs still apply.*

COA

H_2S	◉ No	○ Yes		
Potash / WIPP	◉ None	○ Secretary	○ R-111-P	☐ WIPP
Cave / Karst	○ Low	◉ Medium	○ High	○ Critical
Wellhead	○ Conventional	◉ Multibowl	○ Both	○ Diverter
Cementing	☐ Primary Squeeze	☑ Cont. Squeeze	☑ EchoMeter	☐ DV Tool
Special Req	☐ Break Testing	☐ Water Disposal	☐ COM	☑ Unit
Variance	☑ Flex Hose	☐ Casing Clearance	☐ Pilot Hole	☐ Capitan Reef
Variance	☐ Four-String	☑ Offline Cementing	☐ Fluid-Filled	☐ Open Annulus
☐ **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 1,102 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 6790'**

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 intergrity 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	[2] Pool Code	[3] Pool Name
30-015- 53545	97975	WC-015 G-06 S243119C;BONE SPRING

[4] Property Code	[5] Property Name	[6] Well Number
	POKER LAKE UNIT 30-19 BS	105H

[7] OGRID No.	[8] Operator Name	[9] Elevation
005380	XTO ENERGY, INC.	3,397'

[10] Surface Location

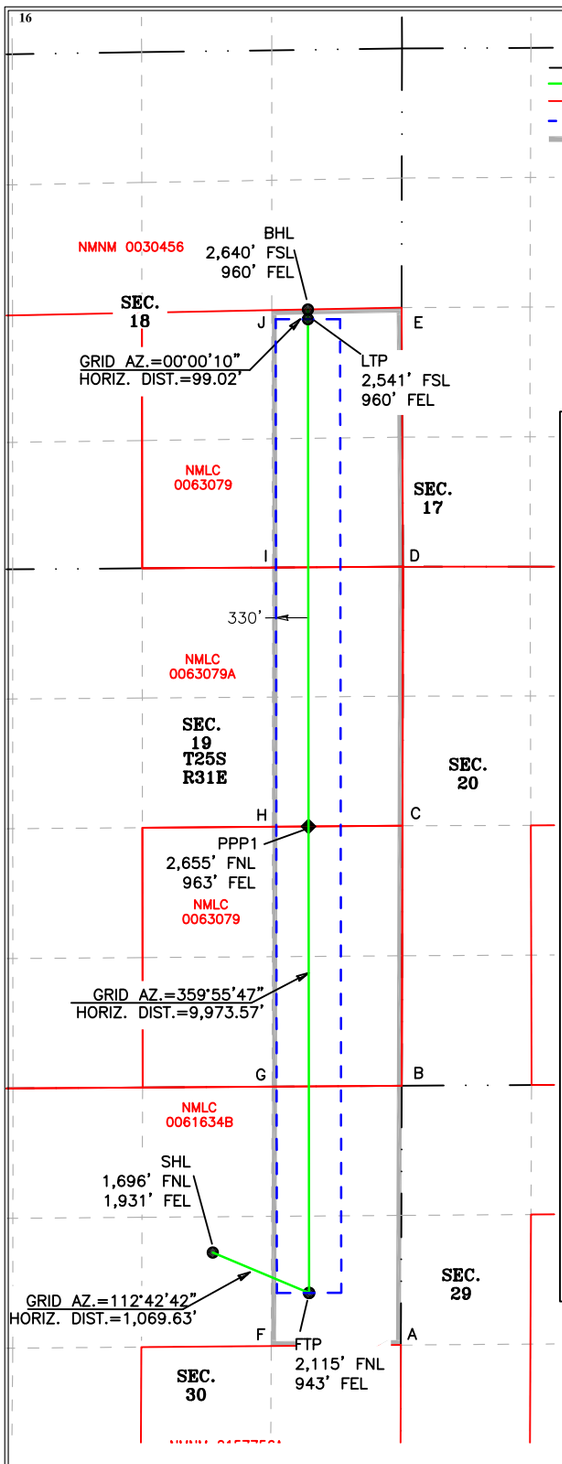
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	30	25 S	31 E		1,696	NORTH	1,931	EAST	EDDY

[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
I	18	25 S	31 E		2,640	SOUTH	960	EAST	EDDY

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
320			

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.



SHL (NAD83 NME)		LTP (NAD83 NME)	
Y =	401,912.9	Y =	411,473.5
X =	701,801.7	X =	702,776.1
LAT. =	32.103878 °N	LAT. =	32.130145 °N
LONG. =	103.815105 °W	LONG. =	103.811809 °W
FTP (NAD83 NME)		**BHL (NAD83 NME)**	
Y =	401,499.9	Y =	411,572.5
X =	702,788.4	X =	702,776.1
LAT. =	32.102729 °N	LAT. =	32.130417 °N
LONG. =	103.811925 °W	LONG. =	103.811807 °W
CORNER COORDINATES (NAD83 NME)			
A - Y =	400,966.5 N ,	X =	703,729.5 E
B - Y =	403,621.2 N ,	X =	703,737.8 E
C - Y =	406,285.0 N ,	X =	703,745.9 E
D - Y =	408,939.2 N ,	X =	703,752.1 E
E - Y =	411,592.7 N ,	X =	703,735.9 E
F - Y =	400,955.6 N ,	X =	702,400.1 E
G - Y =	403,612.5 N ,	X =	702,410.4 E
H - Y =	406,275.0 N ,	X =	702,413.4 E
I - Y =	408,930.5 N ,	X =	702,415.4 E
J - Y =	411,566.1 N ,	X =	702,405.8 E
SHL (NAD27 NME)		**LTP (NAD27 NME)**	
Y =	401,855.0	Y =	411,415.3
X =	660,616.2	X =	661,591.2
LAT. =	32.103753 °N	LAT. =	32.130021 °N
LONG. =	103.814626 °W	LONG. =	103.811328 °W
FTP (NAD27 NME)		**BHL (NAD27 NME)**	
Y =	401,442.0	Y =	411,514.3
X =	661,602.8	X =	661,591.2
LAT. =	32.102605 °N	LAT. =	32.130293 °N
LONG. =	103.811446 °W	LONG. =	103.811326 °W
CORNER COORDINATES (NAD27 NME)			
A - Y =	400,908.6 N ,	X =	662,543.9 E
B - Y =	403,563.2 N ,	X =	662,552.3 E
C - Y =	406,227.0 N ,	X =	662,560.5 E
D - Y =	408,881.1 N ,	X =	662,566.8 E
E - Y =	411,534.5 N ,	X =	662,550.9 E
F - Y =	400,897.7 N ,	X =	661,214.5 E
G - Y =	403,554.5 N ,	X =	661,224.9 E
H - Y =	406,217.0 N ,	X =	661,228.0 E
I - Y =	408,872.4 N ,	X =	661,230.1 E
J - Y =	411,507.9 N ,	X =	661,220.8 E
PPP1 (NAD83 NME)		**PPP1 (NAD27 NME)**	
Y =	406,277.8	Y =	406,219.8
X =	702,782.5	X =	661,597.1
LAT. =	32.115863 °N	LAT. =	32.115739 °N
LONG. =	103.811869 °W	LONG. =	103.811390 °W

[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

LM 2019082904

Signatue 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
REGISTERED PROFESSIONAL LAND SURVEYOR
STATE OF NEW MEXICO NO. 21209

9 OCT 2023

TIM C. PAPPAS NEW MEXICO 21209 PROFESSIONAL SURVEYOR

TIM C. PAPPAS 21290
Certificate Number

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

XTO Energy Inc.
PLU 30-19 BS 105H
Projected TD: 20818.11' MD / 10126' TVD
SHL: 1696' FNL & 1931' FEL , Section 30, T25S, R31E
BHL: 2640' FSL & 960' 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	1002'	Water
Top of Salt	1398'	Water
Base of Salt	4025'	Water
Delaware	4209'	Water
Brushy Canyon	6793'	Water/Oil/Gas
Bone Spring	8113'	Water
1st Bone Spring	9072'	Water/Oil/Gas
2nd Bone Spring	9722'	Water/Oil/Gas
Target/Land Curve	10126'	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 @ 1102' (296' 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 9420.79' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 20818.11 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 9120.79 feet).

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0' – 1102'	9.625	40	J-55	BTC	New	1.35	5.71	14.29
8.75	0' – 4000'	7.625	29.7	RY P-110	Flush Joint	New	2.17	2.52	1.99
8.75	4000' – 9420.79'	7.625	29.7	HC L-80	Flush Joint	New	1.58	1.95	2.52
6.75	0' – 9320.79'	5.5	20	RY P-110	Semi-Premium	New	1.26	1.83	2.25
6.75	9320.79' - 20818.11'	5.5	20	RY P-110	Semi-Flush	New	1.26	1.69	2.25

· 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 +/- 1102'

Lead: 260 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 +/- 9420.79'
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: 240 sxs Class C (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)
TOC: Brushy Canyon @ 6793
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 (6793') 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 +/- 20818.11'

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft3/sx, 15.00 gal/sx water) Top of Cement: 9120.79 feet
Tail: 800 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft3/sx, 8.38 gal/sx water) Top of Cement: 9620.79 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 4354 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 nippling up on the 9.625, 5M bradenhead and flange, the BOP test will be limited to 5000 psi. When nippling 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' - 1102'	12.25	FW/Native	8.4-8.9	35-40	NC
1102' - 9420.79'	8.75	FW / Cut Brine / Direct Emulsion	10.2-10.7	30-32	NC
9420.79' - 20818.11'	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 6582 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 105H

Measured Depth:	20818.11 ft	**Site:**	30-19
TVD RKB:	10118.00 ft	**Slot:**	POKER LAKE UNIT 30-19 BS 105H
Location			
Cartographic Reference System:	New Mexico East - NAD 27		
Northing:	401855.00 ft		
Easting:	660616.20 ft		
RKB:	3429.00 ft		
Ground Level:	3389.00 ft		
North Reference:	Grid		
Convergence Angle:	0.28 Deg		

Plan Sections POKER LAKE UNIT 30-19 BS 105H

Measured Depth (ft)	Inclination (Deg)	Azimuth (Deg)	TVD RKB (ft)	Y Offset (ft)	X Offset (ft)	Build Rate (Deg/100ft)	Turn Rate (Deg/100ft)	Dogleg Rate (Deg/100ft)	Target
0.00	0.00	0.00	8.00	0.00	0.00	0.00	0.00	0.00	
1100.00	0.00	0.00	1108.00	0.00	0.00	0.00	0.00	0.00	
1983.35	17.67	138.83	1977.42	-101.71	88.94	2.00	0.00	2.00	
6035.63	17.67	138.83	5838.58	-1027.49	898.49	0.00	0.00	0.00	
6918.98	0.00	0.00	6708.00	-1129.20	987.43	-2.00	0.00	2.00	
9620.79	0.00	0.00	9409.80	-1129.20	987.43	0.00	0.00	0.00	
10745.79	90.00	359.93	10126.00	-413.00	986.60	8.00	0.00	8.00	FTP 4
20719.09	90.00	359.93	10126.00	9560.30	975.00	0.00	0.00	0.00	LTP 4
20818.11	90.00	359.93	10126.00	9659.31	974.88	0.00	0.00	0.00	BHL 4

Position Uncertainty POKER LAKE UNIT 30-19 BS 105H

Measured	TVD	Highside	Lateral	Vertical	Magnitude	Semi-major	Semi-minor	Semi-minor	Tool

Depth (ft)	Inclination (°)	Azimuth (°)	RKB (ft)	Error (ft)	Bias (ft)	Error (ft)	Bias (ft)	Error (ft)	Bias (ft)	of Bias (ft)	Error (ft)	Error (ft)	Azimuth (°)	Used
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MWD+IFR1+MS
100.000	0.000	0.000	100.000	0.700	0.000	0.350	0.000	2.300	0.000	0.000	0.751	0.220	112.264	MWD+IFR1+MS
200.000	0.000	0.000	200.000	1.112	0.000	0.861	0.000	2.310	0.000	0.000	1.259	0.627	122.711	MWD+IFR1+MS
300.000	0.000	0.000	300.000	1.497	0.000	1.271	0.000	2.325	0.000	0.000	1.698	0.986	125.469	MWD+IFR1+MS
400.000	0.000	0.000	400.000	1.871	0.000	1.658	0.000	2.347	0.000	0.000	2.108	1.344	126.713	MWD+IFR1+MS
500.000	0.000	0.000	500.000	2.240	0.000	2.034	0.000	2.374	0.000	0.000	2.503	1.701	127.419	MWD+IFR1+MS
600.000	0.000	0.000	600.000	2.607	0.000	2.405	0.000	2.407	0.000	0.000	2.888	2.059	127.873	MWD+IFR1+MS
700.000	0.000	0.000	700.000	2.971	0.000	2.773	0.000	2.444	0.000	0.000	3.267	2.417	128.190	MWD+IFR1+MS
800.000	0.000	0.000	800.000	3.334	0.000	3.138	0.000	2.486	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	138.832	1199.980	4.369	0.000	5.012	-0.000	2.691	0.000	0.000	5.036	4.343	127.545	MWD+IFR1+MS
1300.000	4.000	138.832	1299.838	5.230	0.000	5.325	-0.000	2.752	0.000	0.000	5.536	5.014	98.661	MWD+IFR1+MS
1400.000	6.000	138.832	1399.452	5.984	0.000	5.645	-0.000	2.817	0.000	0.000	6.213	5.409	80.701	MWD+IFR1+MS
1500.000	8.000	138.832	1498.702	6.665	0.000	5.970	-0.000	2.890	0.000	0.000	6.890	5.740	74.369	MWD+IFR1+MS
1600.000	10.000	138.832	1597.465	7.292	0.000	6.302	-0.000	2.973	0.000	0.000	7.533	6.062	71.514	MWD+IFR1+MS
1700.000	12.000	138.832	1695.623	7.878	0.000	6.641	-0.000	3.068	0.000	0.000	8.141	6.387	69.965	MWD+IFR1+MS
1800.000	14.000	138.832	1793.055	8.430	0.000	6.988	-0.000	3.176	0.000	0.000	8.719	6.719	69.037	MWD+IFR1+MS
1900.000	16.000	138.832	1889.643	8.953	0.000	7.343	-0.000	3.299	0.000	0.000	9.273	7.060	68.459	MWD+IFR1+MS
1983.353	17.667	138.832	1969.422	9.299	0.000	7.640	-0.000	3.396	0.000	0.000	9.650	7.351	68.288	MWD+IFR1+MS
2000.000	17.667	138.832	1985.283	9.344	0.000	7.697	-0.000	3.405	0.000	0.000	9.696	7.409	68.315	MWD+IFR1+MS
2100.000	17.667	138.832	2080.567	9.621	0.000	8.056	-0.000	3.498	0.000	0.000	9.964	7.770	68.783	MWD+IFR1+MS
2200.000	17.667	138.832	2175.850	9.919	0.000	8.438	-0.000	3.599	0.000	0.000	10.259	8.144	69.547	MWD+IFR1+MS
2300.000	17.667	138.832	2271.134	10.226	0.000	8.825	-0.000	3.704	0.000	0.000	10.562	8.524	70.340	MWD+IFR1+MS
2400.000	17.667	138.832	2366.418	10.540	0.000	9.218	-0.000	3.814	0.000	0.000	10.872	8.909	71.164	MWD+IFR1+MS
2500.000	17.667	138.832	2461.701	10.861	0.000	9.615	-0.000	3.927	0.000	0.000	11.188	9.297	72.023	MWD+IFR1+MS
2600.000	17.667	138.832	2556.985	11.189	0.000	10.016	-0.000	4.044	0.000	0.000	11.511	9.690	72.919	MWD+IFR1+MS
2700.000	17.667	138.832	2652.269	11.523	0.000	10.421	-0.000	4.164	0.000	0.000	11.840	10.085	73.855	MWD+IFR1+MS
2800.000	17.667	138.832	2747.552	11.862	0.000	10.829	-0.000	4.287	0.000	0.000	12.174	10.483	74.834	MWD+IFR1+MS
2900.000	17.667	138.832	2842.836	12.206	0.000	11.240	-0.000	4.412	0.000	0.000	12.513	10.884	75.860	MWD+IFR1+MS

3000.000	17.667	138.832	2938.119	12.554	0.000	11.653	-0.000	4.541	0.000	0.000	12.857	11.286	76.934	MWD+IFR1+MS
3100.000	17.667	138.832	3033.403	12.907	0.000	12.068	-0.000	4.671	0.000	0.000	13.206	11.689	78.060	MWD+IFR1+MS
3200.000	17.667	138.832	3128.687	13.263	0.000	12.486	-0.000	4.805	0.000	0.000	13.559	12.094	79.240	MWD+IFR1+MS
3300.000	17.667	138.832	3223.970	13.623	0.000	12.905	-0.000	4.940	0.000	0.000	13.917	12.500	80.475	MWD+IFR1+MS
3400.000	17.667	138.832	3319.254	13.986	0.000	13.326	-0.000	5.078	0.000	0.000	14.278	12.906	81.765	MWD+IFR1+MS
3500.000	17.667	138.832	3414.537	14.352	0.000	13.749	-0.000	5.217	0.000	0.000	14.643	13.313	83.112	MWD+IFR1+MS
3600.000	17.667	138.832	3509.821	14.721	0.000	14.173	-0.000	5.359	0.000	0.000	15.012	13.720	84.515	MWD+IFR1+MS
3700.000	17.667	138.832	3605.105	15.092	0.000	14.598	-0.000	5.502	0.000	0.000	15.385	14.127	85.972	MWD+IFR1+MS
3800.000	17.667	138.832	3700.388	15.466	0.000	15.024	-0.000	5.647	0.000	0.000	15.761	14.534	87.479	MWD+IFR1+MS
3900.000	17.667	138.832	3795.672	15.842	0.000	15.452	-0.000	5.794	0.000	0.000	16.141	14.940	89.032	MWD+IFR1+MS
4000.000	17.667	138.832	3890.955	16.220	0.000	15.880	-0.000	5.942	0.000	0.000	16.524	15.346	90.626	MWD+IFR1+MS
4100.000	17.667	138.832	3986.239	16.600	0.000	16.309	-0.000	6.092	0.000	0.000	16.910	15.752	92.252	MWD+IFR1+MS
4200.000	17.667	138.832	4081.523	16.982	0.000	16.739	-0.000	6.244	0.000	0.000	17.300	16.157	93.904	MWD+IFR1+MS
4300.000	17.667	138.832	4176.806	17.366	0.000	17.170	-0.000	6.397	0.000	0.000	17.692	16.561	95.571	MWD+IFR1+MS
4400.000	17.667	138.832	4272.090	17.751	0.000	17.602	-0.000	6.552	0.000	0.000	18.088	16.964	97.244	MWD+IFR1+MS
4500.000	17.667	138.832	4367.373	18.137	0.000	18.034	-0.000	6.709	0.000	0.000	18.487	17.366	98.912	MWD+IFR1+MS
4600.000	17.667	138.832	4462.657	18.525	0.000	18.467	-0.000	6.867	0.000	0.000	18.889	17.768	100.566	MWD+IFR1+MS
4700.000	17.667	138.832	4557.941	18.914	0.000	18.900	-0.000	7.026	0.000	0.000	19.293	18.168	102.195	MWD+IFR1+MS
4800.000	17.667	138.832	4653.224	19.305	0.000	19.334	-0.000	7.187	0.000	0.000	19.700	18.568	103.790	MWD+IFR1+MS
4900.000	17.667	138.832	4748.508	19.696	0.000	19.768	-0.000	7.349	0.000	0.000	20.109	18.967	105.345	MWD+IFR1+MS
5000.000	17.667	138.832	4843.792	20.089	0.000	20.203	-0.000	7.513	0.000	0.000	20.521	19.365	106.852	MWD+IFR1+MS
5100.000	17.667	138.832	4939.075	20.483	0.000	20.639	-0.000	7.679	0.000	0.000	20.934	19.763	108.306	MWD+IFR1+MS
5200.000	17.667	138.832	5034.359	20.877	0.000	21.074	-0.000	7.846	0.000	0.000	21.350	20.160	109.704	MWD+IFR1+MS
5300.000	17.667	138.832	5129.642	21.273	0.000	21.510	-0.000	8.014	0.000	0.000	21.768	20.556	111.043	MWD+IFR1+MS
5400.000	17.667	138.832	5224.926	21.669	0.000	21.947	-0.000	8.184	0.000	0.000	22.187	20.951	112.322	MWD+IFR1+MS
5500.000	17.667	138.832	5320.210	22.066	0.000	22.384	-0.000	8.356	0.000	0.000	22.609	21.347	113.540	MWD+IFR1+MS
5600.000	17.667	138.832	5415.493	22.464	0.000	22.821	-0.000	8.529	0.000	0.000	23.031	21.742	114.698	MWD+IFR1+MS
5700.000	17.667	138.832	5510.777	22.863	0.000	23.258	-0.000	8.703	0.000	0.000	23.455	22.136	115.797	MWD+IFR1+MS
5800.000	17.667	138.832	5606.060	23.262	0.000	23.696	-0.000	8.879	0.000	0.000	23.880	22.530	116.839	MWD+IFR1+MS
5900.000	17.667	138.832	5701.344	23.662	0.000	24.134	-0.000	9.057	0.000	0.000	24.307	22.924	117.825	MWD+IFR1+MS
6000.000	17.667	138.832	5796.628	24.062	0.000	24.572	-0.000	9.236	0.000	0.000	24.734	23.318	118.759	MWD+IFR1+MS
6035.631	17.667	138.832	5830.578	24.203	0.000	24.726	-0.000	9.300	0.000	0.000	24.883	23.457	119.140	MWD+IFR1+MS
6100.000	16.380	138.832	5892.126	24.489	0.000	25.001	-0.000	9.416	0.000	0.000	25.152	23.711	119.691	MWD+IFR1+MS

6200.000	14.380	138.832	5988.540	24.967	0.000	25.422	-0.000	9.604	0.000	0.000	25.578	24.146	119.269	MWD+IFR1+MS
6300.000	12.380	138.832	6085.820	25.441	0.000	25.830	-0.000	9.786	0.000	0.000	26.003	24.597	118.059	MWD+IFR1+MS
6400.000	10.380	138.832	6183.850	25.874	0.000	26.225	-0.000	9.956	0.000	0.000	26.416	25.037	116.709	MWD+IFR1+MS
6500.000	8.380	138.832	6282.508	26.266	0.000	26.606	-0.000	10.115	0.000	0.000	26.818	25.466	115.220	MWD+IFR1+MS
6600.000	6.380	138.832	6381.674	26.617	0.000	26.972	-0.000	10.265	0.000	0.000	27.208	25.882	113.596	MWD+IFR1+MS
6700.000	4.380	138.832	6481.229	26.925	0.000	27.324	-0.000	10.407	0.000	0.000	27.587	26.284	111.849	MWD+IFR1+MS
6800.000	2.380	138.832	6581.050	27.193	0.000	27.662	-0.000	10.542	0.000	0.000	27.955	26.671	109.996	MWD+IFR1+MS
6900.000	0.380	138.832	6681.016	27.418	0.000	27.986	-0.000	10.672	0.000	0.000	28.313	27.043	108.061	MWD+IFR1+MS
6918.985	0.000	0.000	6700.000	28.249	0.000	27.224	0.000	10.697	0.000	0.000	28.368	27.099	108.084	MWD+IFR1+MS
7000.000	0.000	0.000	6781.015	28.479	0.000	27.453	0.000	10.800	0.000	0.000	28.600	27.327	108.125	MWD+IFR1+MS
7100.000	0.000	0.000	6881.015	28.768	0.000	27.741	0.000	10.931	0.000	0.000	28.892	27.612	108.316	MWD+IFR1+MS
7200.000	0.000	0.000	6981.015	29.059	0.000	28.031	0.000	11.064	0.000	0.000	29.187	27.898	108.541	MWD+IFR1+MS
7300.000	0.000	0.000	7081.015	29.351	0.000	28.324	0.000	11.201	0.000	0.000	29.483	28.187	108.759	MWD+IFR1+MS
7400.000	0.000	0.000	7181.015	29.645	0.000	28.617	0.000	11.340	0.000	0.000	29.781	28.477	108.970	MWD+IFR1+MS
7500.000	0.000	0.000	7281.015	29.941	0.000	28.913	0.000	11.482	0.000	0.000	30.080	28.768	109.175	MWD+IFR1+MS
7600.000	0.000	0.000	7381.015	30.238	0.000	29.209	0.000	11.628	0.000	0.000	30.380	29.061	109.373	MWD+IFR1+MS
7700.000	0.000	0.000	7481.015	30.536	0.000	29.507	0.000	11.776	0.000	0.000	30.682	29.356	109.565	MWD+IFR1+MS
7800.000	0.000	0.000	7581.015	30.835	0.000	29.807	0.000	11.928	0.000	0.000	30.985	29.651	109.752	MWD+IFR1+MS
7900.000	0.000	0.000	7681.015	31.136	0.000	30.107	0.000	12.082	0.000	0.000	31.289	29.948	109.932	MWD+IFR1+MS
8000.000	0.000	0.000	7781.015	31.438	0.000	30.409	0.000	12.240	0.000	0.000	31.594	30.247	110.108	MWD+IFR1+MS
8100.000	0.000	0.000	7881.015	31.741	0.000	30.712	0.000	12.401	0.000	0.000	31.900	30.546	110.278	MWD+IFR1+MS
8200.000	0.000	0.000	7981.015	32.045	0.000	31.016	0.000	12.565	0.000	0.000	32.208	30.847	110.443	MWD+IFR1+MS
8300.000	0.000	0.000	8081.015	32.350	0.000	31.322	0.000	12.732	0.000	0.000	32.516	31.149	110.604	MWD+IFR1+MS
8400.000	0.000	0.000	8181.015	32.657	0.000	31.628	0.000	12.903	0.000	0.000	32.826	31.453	110.760	MWD+IFR1+MS
8500.000	0.000	0.000	8281.015	32.964	0.000	31.936	0.000	13.076	0.000	0.000	33.137	31.757	110.911	MWD+IFR1+MS
8600.000	0.000	0.000	8381.015	33.273	0.000	32.245	0.000	13.253	0.000	0.000	33.448	32.062	111.059	MWD+IFR1+MS
8700.000	0.000	0.000	8481.015	33.582	0.000	32.554	0.000	13.433	0.000	0.000	33.761	32.369	111.202	MWD+IFR1+MS
8800.000	0.000	0.000	8581.015	33.892	0.000	32.865	0.000	13.617	0.000	0.000	34.074	32.677	111.342	MWD+IFR1+MS
8900.000	0.000	0.000	8681.015	34.204	0.000	33.177	0.000	13.803	0.000	0.000	34.389	32.985	111.478	MWD+IFR1+MS
9000.000	0.000	0.000	8781.015	34.516	0.000	33.489	0.000	13.993	0.000	0.000	34.704	33.295	111.610	MWD+IFR1+MS
9100.000	0.000	0.000	8881.015	34.829	0.000	33.803	0.000	14.186	0.000	0.000	35.020	33.605	111.739	MWD+IFR1+MS
9200.000	0.000	0.000	8981.015	35.143	0.000	34.117	0.000	14.382	0.000	0.000	35.337	33.917	111.865	MWD+IFR1+MS
9300.000	0.000	0.000	9081.015	35.458	0.000	34.432	0.000	14.582	0.000	0.000	35.654	34.229	111.987	MWD+IFR1+MS

9400.000	0.000	0.000	9181.015	35.774	0.000	34.749	0.000	14.785	0.000	0.000	35.973	34.542	112.106	MWD+IFR1+MS
9500.000	0.000	0.000	9281.015	36.090	0.000	35.065	0.000	14.991	0.000	0.000	36.292	34.856	112.223	MWD+IFR1+MS
9600.000	0.000	0.000	9381.015	36.407	0.000	35.383	0.000	15.201	0.000	0.000	36.612	35.171	112.336	MWD+IFR1+MS
9620.787	0.000	0.000	9401.803	36.473	0.000	35.448	0.000	15.245	0.000	0.000	36.677	35.237	112.332	MWD+IFR1+MS
9700.000	6.337	359.933	9480.854	36.204	0.000	35.693	0.000	15.413	0.000	0.000	37.026	35.489	111.108	MWD+IFR1+MS
9800.000	14.337	359.933	9579.151	36.143	0.000	35.988	0.000	15.689	0.000	0.000	38.145	35.828	104.926	MWD+IFR1+MS
9900.000	22.337	359.933	9673.996	35.774	0.000	36.262	0.000	16.144	0.000	0.000	39.362	36.118	101.834	MWD+IFR1+MS
10000.000	30.337	359.933	9763.543	34.933	0.000	36.512	0.000	16.837	0.000	0.000	40.413	36.369	100.497	MWD+IFR1+MS
10100.000	38.337	359.933	9846.050	33.720	0.000	36.737	0.000	17.802	0.000	0.000	41.278	36.588	99.897	MWD+IFR1+MS
10200.000	46.337	359.933	9919.909	32.264	0.000	36.937	0.000	19.036	0.000	0.000	41.951	36.778	99.677	MWD+IFR1+MS
10300.000	54.337	359.933	9983.685	30.732	0.000	37.111	0.000	20.503	0.000	0.000	42.440	36.942	99.673	MWD+IFR1+MS
10400.000	62.337	359.933	10036.134	29.325	0.000	37.261	0.000	22.150	0.000	0.000	42.762	37.082	99.791	MWD+IFR1+MS
10500.000	70.337	359.933	10076.237	28.264	0.000	37.387	0.000	23.914	0.000	0.000	42.943	37.200	99.958	MWD+IFR1+MS
10600.000	78.337	359.933	10103.213	27.766	0.000	37.492	0.000	25.729	0.000	0.000	43.020	37.300	100.100	MWD+IFR1+MS
10700.000	86.337	359.933	10116.537	27.984	0.000	37.574	0.000	27.534	0.000	0.000	43.033	37.384	100.134	MWD+IFR1+MS
10745.787	90.000	359.933	10118.000	27.807	0.000	37.601	0.000	27.807	0.000	0.000	43.030	37.414	100.074	MWD+IFR1+MS
10800.000	90.000	359.933	10118.000	27.957	0.000	37.633	0.000	27.957	0.000	0.000	43.027	37.450	99.987	MWD+IFR1+MS
10900.000	90.000	359.933	10118.000	28.201	0.000	37.713	0.000	28.201	0.000	0.000	43.021	37.538	99.858	MWD+IFR1+MS
11000.000	90.000	359.933	10118.000	28.467	0.000	37.815	0.000	28.467	0.000	0.000	43.016	37.648	99.761	MWD+IFR1+MS
11100.000	90.000	359.933	10118.000	28.752	0.000	37.938	0.000	28.752	0.000	0.000	43.012	37.777	99.695	MWD+IFR1+MS
11200.000	90.000	359.933	10118.000	29.056	0.000	38.080	0.000	29.056	0.000	0.000	43.010	37.926	99.660	MWD+IFR1+MS
11300.000	90.000	359.933	10118.000	29.377	0.000	38.242	0.000	29.377	0.000	0.000	43.008	38.093	99.658	MWD+IFR1+MS
11400.000	90.000	359.933	10118.000	29.716	0.000	38.424	0.000	29.716	0.000	0.000	43.007	38.280	99.694	MWD+IFR1+MS
11500.000	90.000	359.933	10118.000	30.071	0.000	38.625	0.000	30.071	0.000	0.000	43.008	38.486	99.773	MWD+IFR1+MS
11600.000	90.000	359.933	10118.000	30.443	0.000	38.845	0.000	30.443	0.000	0.000	43.010	38.710	99.899	MWD+IFR1+MS
11700.000	90.000	359.933	10118.000	30.830	0.000	39.084	0.000	30.830	0.000	0.000	43.012	38.951	100.084	MWD+IFR1+MS
11800.000	90.000	359.933	10118.000	31.231	0.000	39.341	0.000	31.231	0.000	0.000	43.016	39.211	100.339	MWD+IFR1+MS
11900.000	90.000	359.933	10118.000	31.648	0.000	39.616	0.000	31.648	0.000	0.000	43.021	39.487	100.683	MWD+IFR1+MS
12000.000	90.000	359.933	10118.000	32.078	0.000	39.908	0.000	32.078	0.000	0.000	43.028	39.780	101.142	MWD+IFR1+MS
12100.000	90.000	359.933	10118.000	32.521	0.000	40.217	0.000	32.521	0.000	0.000	43.036	40.089	101.755	MWD+IFR1+MS
12200.000	90.000	359.933	10118.000	32.977	0.000	40.544	0.000	32.977	0.000	0.000	43.047	40.414	102.584	MWD+IFR1+MS
12300.000	90.000	359.933	10118.000	33.445	0.000	40.886	0.000	33.445	0.000	0.000	43.060	40.752	103.730	MWD+IFR1+MS
12400.000	90.000	359.933	10118.000	33.925	0.000	41.245	0.000	33.925	0.000	0.000	43.078	41.102	105.364	MWD+IFR1+MS

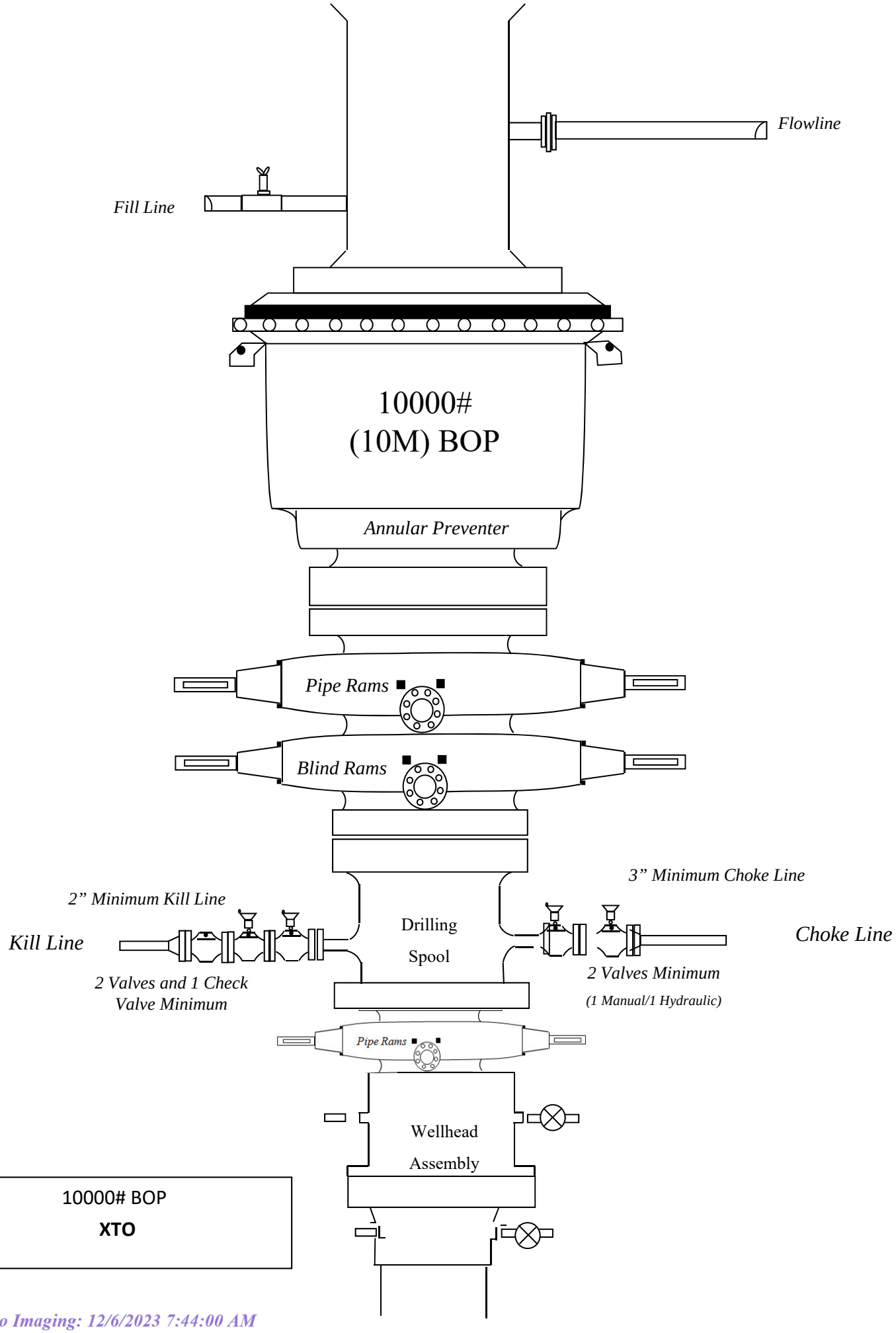
12500.000	90.000	359.933	10118.000	34.416	0.000	41.619	0.000	34.416	0.000	0.000	43.102	41.462	107.805	MWD+IFR1+MS
12600.000	90.000	359.933	10118.000	34.918	0.000	42.009	0.000	34.918	0.000	0.000	43.138	41.826	111.684	MWD+IFR1+MS
12700.000	90.000	359.933	10118.000	35.430	0.000	42.413	0.000	35.430	0.000	0.000	43.197	42.182	118.274	MWD+IFR1+MS
12800.000	90.000	359.933	10118.000	35.952	0.000	42.831	0.000	35.952	0.000	0.000	43.308	42.500	129.593	MWD+IFR1+MS
12900.000	90.000	359.933	10118.000	36.483	0.000	43.263	0.000	36.483	0.000	0.000	43.520	42.732	-34.988	MWD+IFR1+MS
13000.000	90.000	359.933	10118.000	37.023	0.000	43.709	0.000	37.023	0.000	0.000	43.847	42.863	-22.161	MWD+IFR1+MS
13100.000	90.000	359.933	10118.000	37.572	0.000	44.168	0.000	37.572	0.000	0.000	44.248	42.934	-14.453	MWD+IFR1+MS
13200.000	90.000	359.933	10118.000	38.130	0.000	44.639	0.000	38.130	0.000	0.000	44.689	42.977	-9.967	MWD+IFR1+MS
13300.000	90.000	359.933	10118.000	38.695	0.000	45.123	0.000	38.695	0.000	0.000	45.155	43.009	-7.182	MWD+IFR1+MS
13400.000	90.000	359.933	10118.000	39.267	0.000	45.619	0.000	39.267	0.000	0.000	45.640	43.034	-5.329	MWD+IFR1+MS
13500.000	90.000	359.933	10118.000	39.847	0.000	46.126	0.000	39.847	0.000	0.000	46.140	43.056	-4.026	MWD+IFR1+MS
13600.000	90.000	359.933	10118.000	40.434	0.000	46.644	0.000	40.434	0.000	0.000	46.654	43.076	-3.070	MWD+IFR1+MS
13700.000	90.000	359.933	10118.000	41.028	0.000	47.173	0.000	41.028	0.000	0.000	47.179	43.095	-2.344	MWD+IFR1+MS
13800.000	90.000	359.933	10118.000	41.627	0.000	47.713	0.000	41.627	0.000	0.000	47.717	43.113	-1.779	MWD+IFR1+MS
13900.000	90.000	359.933	10118.000	42.233	0.000	48.262	0.000	42.233	0.000	0.000	48.265	43.131	-1.329	MWD+IFR1+MS
14000.000	90.000	359.933	10118.000	42.845	0.000	48.821	0.000	42.845	0.000	0.000	48.823	43.150	-0.965	MWD+IFR1+MS
14100.000	90.000	359.933	10118.000	43.462	0.000	49.390	0.000	43.462	0.000	0.000	49.391	43.168	-0.666	MWD+IFR1+MS
14200.000	90.000	359.933	10118.000	44.085	0.000	49.968	0.000	44.085	0.000	0.000	49.968	43.186	-0.417	MWD+IFR1+MS
14300.000	90.000	359.933	10118.000	44.712	0.000	50.554	0.000	44.712	0.000	0.000	50.554	43.205	-0.209	MWD+IFR1+MS
14400.000	90.000	359.933	10118.000	45.345	0.000	51.149	0.000	45.345	0.000	0.000	51.149	43.225	-0.033	MWD+IFR1+MS
14500.000	90.000	359.933	10118.000	45.982	0.000	51.752	0.000	45.982	0.000	0.000	51.752	43.244	0.118	MWD+IFR1+MS
14600.000	90.000	359.933	10118.000	46.624	0.000	52.363	0.000	46.624	0.000	0.000	52.363	43.264	0.246	MWD+IFR1+MS
14700.000	90.000	359.933	10118.000	47.270	0.000	52.981	0.000	47.270	0.000	0.000	52.981	43.285	0.357	MWD+IFR1+MS
14800.000	90.000	359.933	10118.000	47.920	0.000	53.607	0.000	47.920	0.000	0.000	53.608	43.306	0.454	MWD+IFR1+MS
14900.000	90.000	359.933	10118.000	48.574	0.000	54.240	0.000	48.574	0.000	0.000	54.241	43.327	0.537	MWD+IFR1+MS
15000.000	90.000	359.933	10118.000	49.232	0.000	54.879	0.000	49.232	0.000	0.000	54.881	43.349	0.610	MWD+IFR1+MS
15100.000	90.000	359.933	10118.000	49.894	0.000	55.526	0.000	49.894	0.000	0.000	55.527	43.371	0.673	MWD+IFR1+MS
15200.000	90.000	359.933	10118.000	50.559	0.000	56.178	0.000	50.559	0.000	0.000	56.181	43.394	0.729	MWD+IFR1+MS
15300.000	90.000	359.933	10118.000	51.227	0.000	56.837	0.000	51.227	0.000	0.000	56.840	43.417	0.778	MWD+IFR1+MS
15400.000	90.000	359.933	10118.000	51.899	0.000	57.502	0.000	51.899	0.000	0.000	57.505	43.441	0.821	MWD+IFR1+MS
15500.000	90.000	359.933	10118.000	52.574	0.000	58.173	0.000	52.574	0.000	0.000	58.176	43.465	0.859	MWD+IFR1+MS
15600.000	90.000	359.933	10118.000	53.252	0.000	58.849	0.000	53.252	0.000	0.000	58.852	43.490	0.892	MWD+IFR1+MS
15700.000	90.000	359.933	10118.000	53.933	0.000	59.530	0.000	53.933	0.000	0.000	59.534	43.516	0.921	MWD+IFR1+MS

15800.000	90.000	359.933	10118.000	54.617	0.000	60.217	0.000	54.617	0.000	0.000	60.221	43.541	0.947	MWD+IFR1+MS
15900.000	90.000	359.933	10118.000	55.303	0.000	60.908	0.000	55.303	0.000	0.000	60.913	43.568	0.970	MWD+IFR1+MS
16000.000	90.000	359.933	10118.000	55.992	0.000	61.605	0.000	55.992	0.000	0.000	61.610	43.595	0.989	MWD+IFR1+MS
16100.000	90.000	359.933	10118.000	56.683	0.000	62.306	0.000	56.683	0.000	0.000	62.311	43.622	1.007	MWD+IFR1+MS
16200.000	90.000	359.933	10118.000	57.377	0.000	63.011	0.000	57.377	0.000	0.000	63.017	43.650	1.022	MWD+IFR1+MS
16300.000	90.000	359.933	10118.000	58.073	0.000	63.721	0.000	58.073	0.000	0.000	63.728	43.678	1.035	MWD+IFR1+MS
16400.000	90.000	359.933	10118.000	58.772	0.000	64.436	0.000	58.772	0.000	0.000	64.442	43.707	1.046	MWD+IFR1+MS
16500.000	90.000	359.933	10118.000	59.472	0.000	65.154	0.000	59.472	0.000	0.000	65.161	43.737	1.056	MWD+IFR1+MS
16600.000	90.000	359.933	10118.000	60.175	0.000	65.876	0.000	60.175	0.000	0.000	65.883	43.767	1.064	MWD+IFR1+MS
16700.000	90.000	359.933	10118.000	60.879	0.000	66.602	0.000	60.879	0.000	0.000	66.610	43.797	1.071	MWD+IFR1+MS
16800.000	90.000	359.933	10118.000	61.586	0.000	67.332	0.000	61.586	0.000	0.000	67.340	43.828	1.077	MWD+IFR1+MS
16900.000	90.000	359.933	10118.000	62.294	0.000	68.065	0.000	62.294	0.000	0.000	68.073	43.859	1.082	MWD+IFR1+MS
17000.000	90.000	359.933	10118.000	63.005	0.000	68.802	0.000	63.005	0.000	0.000	68.810	43.891	1.086	MWD+IFR1+MS
17100.000	90.000	359.933	10118.000	63.717	0.000	69.542	0.000	63.717	0.000	0.000	69.551	43.924	1.089	MWD+IFR1+MS
17200.000	90.000	359.933	10118.000	64.430	0.000	70.286	0.000	64.430	0.000	0.000	70.294	43.957	1.091	MWD+IFR1+MS
17300.000	90.000	359.933	10118.000	65.146	0.000	71.032	0.000	65.146	0.000	0.000	71.041	43.990	1.093	MWD+IFR1+MS
17400.000	90.000	359.933	10118.000	65.862	0.000	71.782	0.000	65.862	0.000	0.000	71.791	44.024	1.093	MWD+IFR1+MS
17500.000	90.000	359.933	10118.000	66.581	0.000	72.534	0.000	66.581	0.000	0.000	72.544	44.059	1.094	MWD+IFR1+MS
17600.000	90.000	359.933	10118.000	67.301	0.000	73.290	0.000	67.301	0.000	0.000	73.299	44.094	1.094	MWD+IFR1+MS
17700.000	90.000	359.933	10118.000	68.022	0.000	74.048	0.000	68.022	0.000	0.000	74.057	44.129	1.093	MWD+IFR1+MS
17800.000	90.000	359.933	10118.000	68.745	0.000	74.809	0.000	68.745	0.000	0.000	74.819	44.165	1.092	MWD+IFR1+MS
17900.000	90.000	359.933	10118.000	69.469	0.000	75.572	0.000	69.469	0.000	0.000	75.582	44.202	1.090	MWD+IFR1+MS
18000.000	90.000	359.933	10118.000	70.194	0.000	76.338	0.000	70.194	0.000	0.000	76.348	44.239	1.088	MWD+IFR1+MS
18100.000	90.000	359.933	10118.000	70.921	0.000	77.106	0.000	70.921	0.000	0.000	77.117	44.276	1.086	MWD+IFR1+MS
18200.000	90.000	359.933	10118.000	71.649	0.000	77.877	0.000	71.649	0.000	0.000	77.888	44.314	1.083	MWD+IFR1+MS
18300.000	90.000	359.933	10118.000	72.378	0.000	78.650	0.000	72.378	0.000	0.000	78.661	44.353	1.081	MWD+IFR1+MS
18400.000	90.000	359.933	10118.000	73.108	0.000	79.426	0.000	73.108	0.000	0.000	79.437	44.392	1.078	MWD+IFR1+MS
18500.000	90.000	359.933	10118.000	73.839	0.000	80.203	0.000	73.839	0.000	0.000	80.214	44.431	1.074	MWD+IFR1+MS
18600.000	90.000	359.933	10118.000	74.572	0.000	80.983	0.000	74.572	0.000	0.000	80.994	44.471	1.071	MWD+IFR1+MS
18700.000	90.000	359.933	10118.000	75.305	0.000	81.765	0.000	75.305	0.000	0.000	81.776	44.511	1.067	MWD+IFR1+MS
18800.000	90.000	359.933	10118.000	76.040	0.000	82.548	0.000	76.040	0.000	0.000	82.560	44.552	1.063	MWD+IFR1+MS
18900.000	90.000	359.933	10118.000	76.775	0.000	83.334	0.000	76.775	0.000	0.000	83.345	44.594	1.059	MWD+IFR1+MS
19000.000	90.000	359.933	10118.000	77.512	0.000	84.122	0.000	77.512	0.000	0.000	84.133	44.636	1.055	MWD+IFR1+MS

19100.000	90.000	359.933	10118.000	78.249	0.000	84.911	0.000	78.249	0.000	0.000	84.923	44.678	1.051	MWD+IFR1+MS
19200.000	90.000	359.933	10118.000	78.987	0.000	85.702	0.000	78.987	0.000	0.000	85.714	44.721	1.047	MWD+IFR1+MS
19300.000	90.000	359.933	10118.000	79.727	0.000	86.495	0.000	79.727	0.000	0.000	86.507	44.764	1.042	MWD+IFR1+MS
19400.000	90.000	359.933	10118.000	80.467	0.000	87.290	0.000	80.467	0.000	0.000	87.301	44.808	1.038	MWD+IFR1+MS
19500.000	90.000	359.933	10118.000	81.208	0.000	88.086	0.000	81.208	0.000	0.000	88.098	44.852	1.033	MWD+IFR1+MS
19600.000	90.000	359.933	10118.000	81.949	0.000	88.884	0.000	81.949	0.000	0.000	88.896	44.897	1.029	MWD+IFR1+MS
19700.000	90.000	359.933	10118.000	82.692	0.000	89.683	0.000	82.692	0.000	0.000	89.695	44.942	1.024	MWD+IFR1+MS
19800.000	90.000	359.933	10118.000	83.435	0.000	90.484	0.000	83.435	0.000	0.000	90.496	44.988	1.019	MWD+IFR1+MS
19900.000	90.000	359.933	10118.000	84.179	0.000	91.286	0.000	84.179	0.000	0.000	91.298	45.034	1.014	MWD+IFR1+MS
20000.000	90.000	359.933	10118.000	84.924	0.000	92.090	0.000	84.924	0.000	0.000	92.102	45.080	1.009	MWD+IFR1+MS
20100.000	90.000	359.933	10118.000	85.669	0.000	92.895	0.000	85.669	0.000	0.000	92.908	45.127	1.005	MWD+IFR1+MS
20200.000	90.000	359.933	10118.000	86.416	0.000	93.702	0.000	86.416	0.000	0.000	93.714	45.175	1.000	MWD+IFR1+MS
20300.000	90.000	359.933	10118.000	87.162	0.000	94.510	0.000	87.162	0.000	0.000	94.522	45.223	0.995	MWD+IFR1+MS
20400.000	90.000	359.933	10118.000	87.910	0.000	95.319	0.000	87.910	0.000	0.000	95.331	45.271	0.990	MWD+IFR1+MS
20500.000	90.000	359.933	10118.000	88.658	0.000	96.129	0.000	88.658	0.000	0.000	96.142	45.320	0.985	MWD+IFR1+MS
20600.000	90.000	359.933	10118.000	89.407	0.000	96.941	0.000	89.407	0.000	0.000	96.953	45.370	0.980	MWD+IFR1+MS
20700.000	90.000	359.933	10118.000	90.156	0.000	97.754	0.000	90.156	0.000	0.000	97.766	45.419	0.975	MWD+IFR1+MS
20719.094	90.000	359.933	10118.000	90.299	0.000	97.908	0.000	90.299	0.000	0.000	97.921	45.429	0.974	MWD+IFR1+MS
20800.000	90.000	359.933	10118.000	90.905	0.000	98.565	0.000	90.905	0.000	0.000	98.578	45.470	0.970	MWD+IFR1+MS
20818.106	90.000	359.933	10118.000	91.040	0.000	98.712	0.000	91.040	0.000	0.000	98.725	45.479	0.969	MWD+IFR1+MS

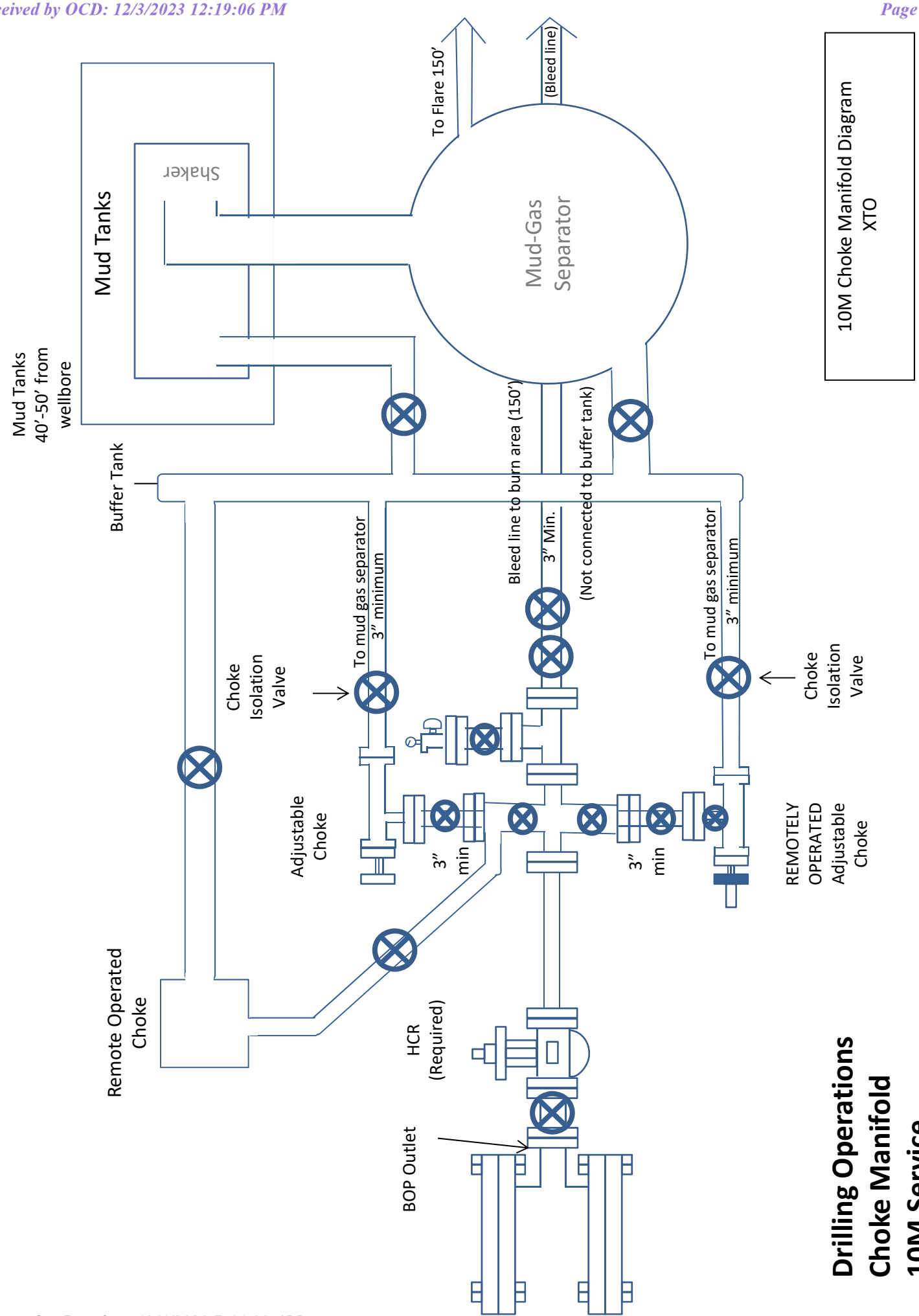
Plan Targets POKER LAKE UNIT 30-19 BS 105H

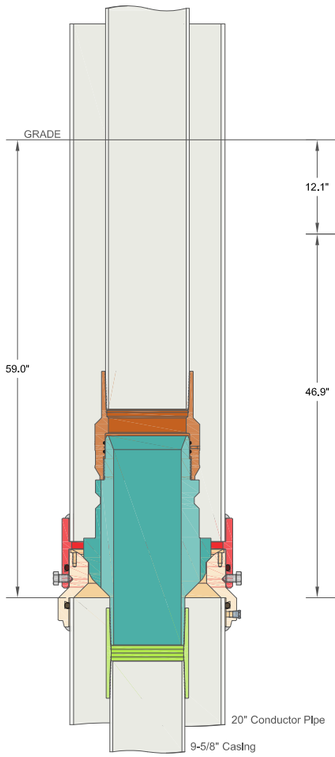
Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
FTP 4	10753.79	401442.00	661602.80	6697.00	RECTANGLE
LTP 4	20727.09	411415.30	661591.20	6697.00	RECTANGLE
BHL 4	20826.11	411514.30	661591.20	6697.00	RECTANGLE

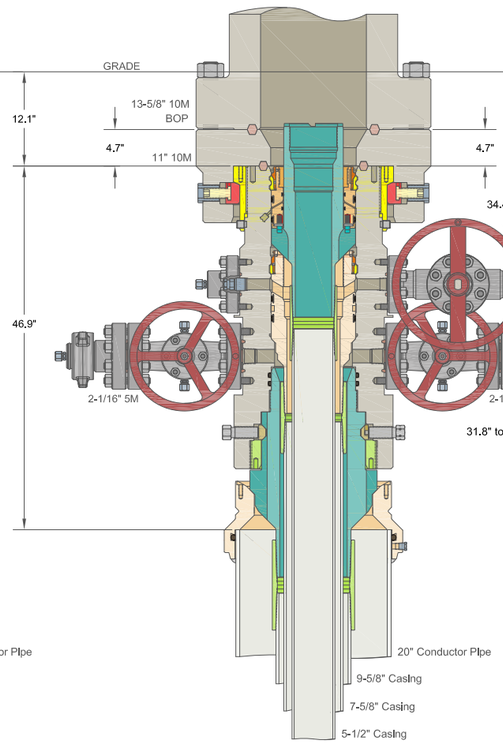


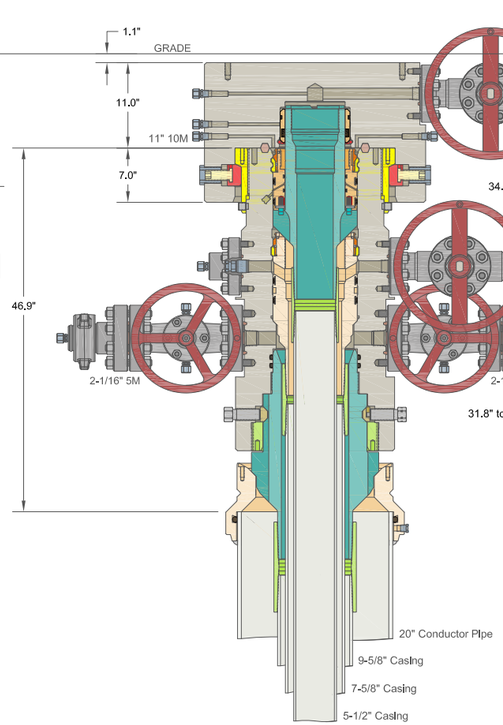
10000# BOP

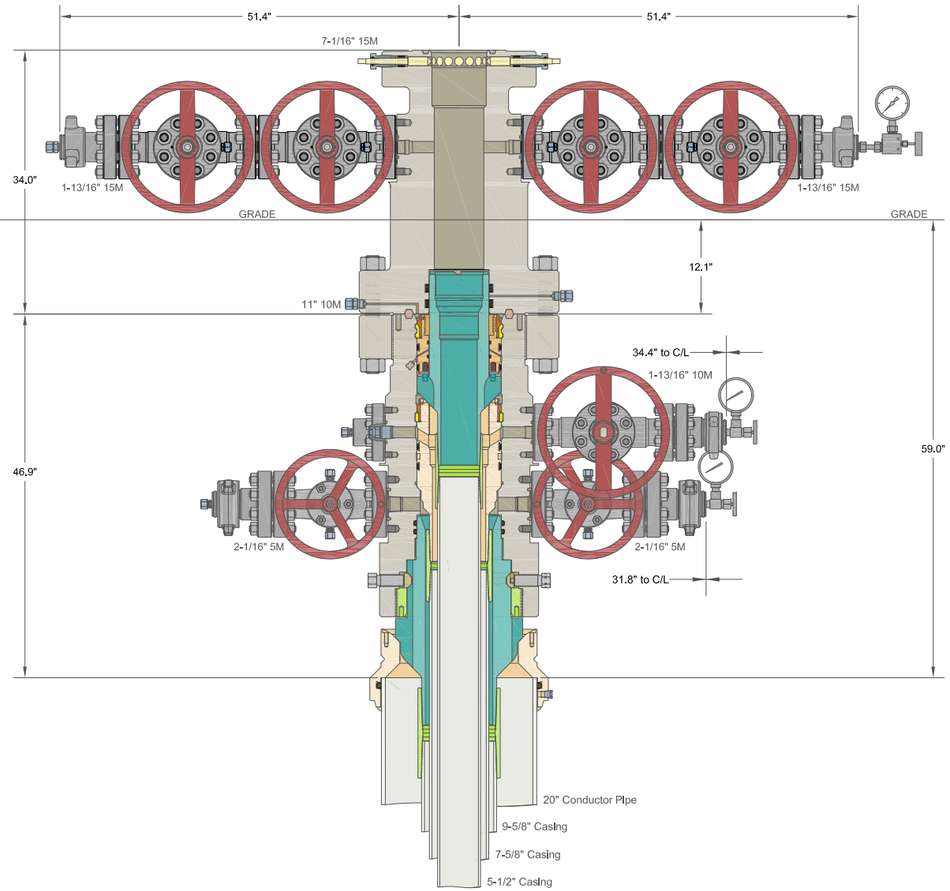
XTO


Mud Tanks
40'-50' from wellbore
Mud Tanks
Shaker
Mud-Gas Separator
To Flare 150'
(Bleed line)
Buffer Tank
Bleed line to burn area (150')
3" Min.
(Not connected to buffer tank)
To mud gas separator
3" minimum
To mud gas separator
3" minimum
Choke Isolation Valve
Choke Isolation Valve
Adjustable Choke
3" min
3" min
REMOTELY OPERATED Adjustable Choke
Remote Operated Choke
HCR (Required)
BOP Outlet
10M Choke Manifold Diagram
XTO
Drilling Operations
Choke Manifold
10M Service









ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC

XTO ENERGY INC
DELAWARE BASIN

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

DRAWN	VJK	31MAR22
APPRV		
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 290476

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 290476
	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