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

Sundry Print Report

11/17/2023

Well Name: POKER LAKE UNIT 30-19 BS	**Well Location:** T25S / R31E / SEC 30 / NENW /	**County or Parish/State:**
Well Number: 153H	**Type of Well:** CONVENTIONAL GAS WELL	**Allottee or Tribe Name:**
Lease Number: NMLC061634A	**Unit or CA Name:**	**Unit or CA Number:** NMNM71016X
US Well Number: 3001553535	**Well Status:** Approved Application for Permit to Drill	**Operator:** XTO PERMIAN OPERATING LLC

Notice of Intent

Sundry ID: 2759061

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 11/01/2023

Time Sundry Submitted: 10:28

Date proposed operation will begin: 11/22/2023

Procedure Description: ** Surface hole Change, 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 SHL: fr/532'FNL & 2275'FWL to 533'FNL & 2528'FEL FTP: fr/2310'FNL & 1520'FWL to 2115'FNL & 1153'FEL PPP2: 2656' FNL & 2392' FEL LTP: fr/100'FNL & 1520'FWL to 665'FNL & 2435'FWL BHL: fr/50'FNL & 1520'FWL to 578' FNL & 2401'FWL, Section 19-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

NOI Attachments

Procedure Description

PLU_30_19_BS_153H_Sundry_Attachments_20231101102814.pdf

Well Name: POKER LAKE UNIT 30-19 BS	**Well Location:** T25S / R31E / SEC 30 / NENW /	**County or Parish/State:**
Well Number: 153H	**Type of Well:** CONVENTIONAL GAS WELL	**Allottee or Tribe Name:**
Lease Number: NMLC061634A	**Unit or CA Name:**	**Unit or CA Number:** NMNM71016X
US Well Number: 3001553535	**Well Status:** Approved Application for Permit to Drill	**Operator:** XTO PERMIAN OPERATING LLC

Conditions of Approval

Additional

Sec_30_25S_31E_NMP_Sundry_2759061_Poker_Lake_Unit_30_19_BS_153H_COAs_20231116134849.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: NOV 01, 2023 10:28 AM

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: 11/17/2023

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. NMLC061634A

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/153H

2. Name of Operator XTO PERMIAN OPERATING LLC

9. API Well No. 3001553535

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/BONE SPRING

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
	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☑ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

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

** Surface hole Change, 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

SHL: fr/532FNL & 2275FWL to 533FNL & 2528FEL

FTP: fr/2310FNL & 1520FWL to 2115FNL & 1153FEL

PPP2: 2656 FNL & 2392 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 11/01/2023

THE SPACE FOR FEDERAL OR STATE OFICE USE

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

Title Petroleum Engineer

Date 11/17/2023

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 & 1520FWL to 665FNL & 2435FWL

BHL: fr/50FNL & 1520FWL to 578 FNL & 2401FWL, Section 19-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

Location of Well

0. SHL: NENW / 532 FNL / 2275 FWL / TWSP: 25S / RANGE: 31E / SECTION: 30 / LAT: 32.107069 / LONG: -103.818683 (TVD: 0 feet, MD: 0 feet)
PPP: SENW / 2310 FNL / 1520 FWL / TWSP: 25S / RANGE: 31E / SECTION: 30 / LAT: 32.102179 / LONG: -103.821112 (TVD: 11740 feet, MD: 12048 feet)
BHL: NENW / 50 FNL / 1520 FWL / TWSP: 25S / RANGE: 31E / SECTION: 19 / LAT: 32.123007 / LONG: -103.821046 (TVD: 12450 feet, MD: 20665 feet)

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO Permian Operating LLC
WELL NAME & NO.:	Poker Lake Unit 30-19 BS 153H
LOCATION:	Sec 30-25S-31E-NMP
COUNTY:	Eddy County, New Mexico

*Changes approved through engineering via **Sundry 2759061** on 11/16/2023. 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 1,123 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- 53535	98220	Purple Sage; Wolfcamp

[4] Property Code	[5] Property Name	[6] Well Number
	POKER LAKE UNIT 30-19 BS	153H

[7] OGRID No.	[8] Operator Name	[9] Elevation
005380	XTO ENERGY, INC.	3,399'

[10] Surface Location

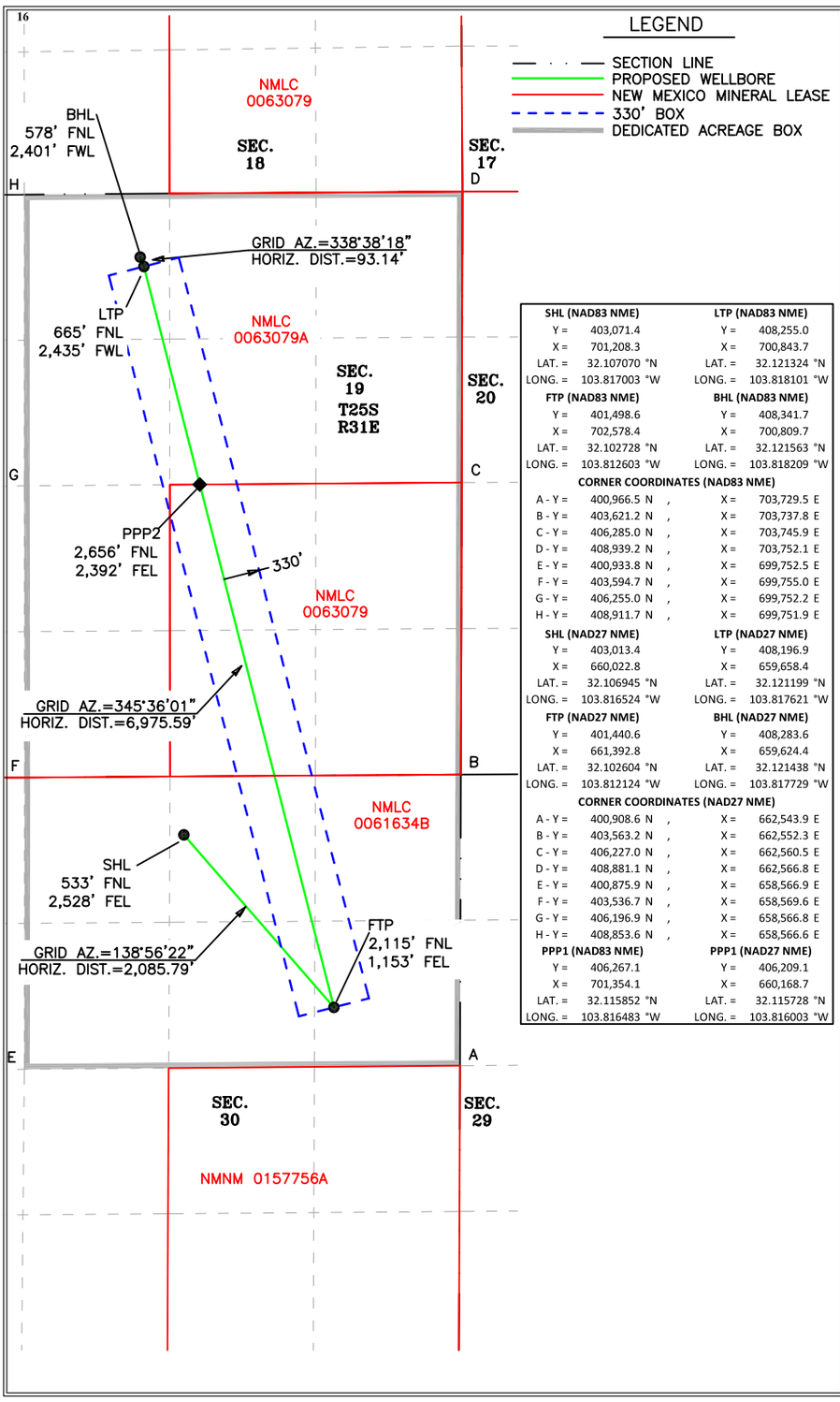
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	30	25 S	31 E		533	NORTH	2,528	EAST	EDDY

[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
C	19	25 S	31 E		578	NORTH	2,401	WEST	EDDY

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
720			

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



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

SHL (NAD83 NME)		LTP (NAD83 NME)	
Y =	403,071.4	Y =	408,255.0
X =	701,208.3	X =	700,843.7
LAT. =	32.107070 °N	LAT. =	32.121324 °N
LONG. =	103.817003 °W	LONG. =	103.818101 °W
FTP (NAD83 NME)		**BHL (NAD83 NME)**	
Y =	401,498.6	Y =	408,341.7
X =	702,578.4	X =	700,809.7
LAT. =	32.102728 °N	LAT. =	32.121563 °N
LONG. =	103.812603 °W	LONG. =	103.818209 °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 =	400,933.8 N ,	X =	699,752.5 E
F - Y =	403,594.7 N ,	X =	699,755.0 E
G - Y =	406,255.0 N ,	X =	699,752.2 E
H - Y =	408,911.7 N ,	X =	699,751.9 E

SHL (NAD27 NME)		LTP (NAD27 NME)	
Y =	403,013.4	Y =	408,196.9
X =	660,022.8	X =	659,658.4
LAT. =	32.106945 °N	LAT. =	32.121199 °N
LONG. =	103.816524 °W	LONG. =	103.817621 °W
FTP (NAD27 NME)		**BHL (NAD27 NME)**	
Y =	401,440.6	Y =	408,283.6
X =	661,392.8	X =	659,624.4
LAT. =	32.102604 °N	LAT. =	32.121438 °N
LONG. =	103.812124 °W	LONG. =	103.817729 °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 =	400,875.9 N ,	X =	658,566.9 E
F - Y =	403,536.7 N ,	X =	658,569.6 E
G - Y =	406,196.9 N ,	X =	658,566.8 E
H - Y =	408,853.6 N ,	X =	658,566.6 E

PPP1 (NAD83 NME)		PPP1 (NAD27 NME)	
Y =	406,267.1	Y =	406,209.1
X =	701,354.1	X =	660,168.7
LAT. =	32.115852 °N	LAT. =	32.115728 °N
LONG. =	103.816483 °W	LONG. =	103.816003 °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/KC 2019082918

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 153H
Projected TD: 20023.67' MD / 11783' TVD
SHL: 533' FNL & 2528' FEL , Section 30, T25S, R31E
BHL: 578' FNL & 2401' FWL , Section 19, 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	1023'	Water
Top of Salt	1383'	Water
Base of Salt	4015'	Water
Delaware	4202'	Water
Brushy Canyon	6781'	Water/Oil/Gas
Bone Spring	8111'	Water
1st Bone Spring	9064'	Water/Oil/Gas
2nd Bone Spring	9714'	Water/Oil/Gas
3rd Bone Spring	11058'	Water/Oil/Gas
Wolfcamp	11446'	Water/Oil/Gas
Wolfcamp X	11477'	Water/Oil/Gas
Wolfcamp Y	11578'	Water/Oil/Gas
Wolfcamp A	11587'	Water/Oil/Gas
Target/Land Curve	11783'	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 @ 1123' (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 11632.95' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 20023.67 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 11332.95 feet).

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0' – 1123'	9.625	40	J-55	BTC	New	1.09	5.61	14.02
8.75	0' – 4000'	7.625	29.7	RY P-110	Flush Joint	New	1.87	2.52	1.62
8.75	4000' – 11632.95'	7.625	29.7	HC L-80	Flush Joint	New	1.36	1.58	1.79
6.75	0' – 11532.95'	5.5	20	RY P-110	Semi-Premium	New	1.26	1.48	2.08
6.75	11532.95' - 20023.67'	5.5	20	RY P-110	Semi-Flush	New	1.26	1.45	2.08

· 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 +/- 1123'

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 +/- 11632.95'
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: 450 sxs Class C (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)
TOC: Brushy Canyon @ 6781
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 (6781') 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 +/- 20023.67'

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft3/sx, 15.00 gal/sx water) Top of Cement: 11332.95 feet
Tail: 580 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft3/sx, 8.38 gal/sx water) Top of Cement: 11832.95 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 10M Hydril and a 13-5/8" minimum 10M Double Ram BOP. MASP should not exceed 5067 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, 10M bradenhead and flange, the BOP test will be limited to 10000 psi. When nippling up on the 7.625, the BOP will be tested to a minimum of 10000 psi. All BOP tests will include a low pressure test as per BLM regulations. The 10M BOP diagrams are attached. Blind rams will be functioned tested each trip, pipe rams will be functioned tested each 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' - 1123'	12.25	FW/Native	8.4-8.9	35-40	NC
1123' - 11632.95'	8.75	FW / Cut Brine / Direct Emulsion	10.2-10.7	30-32	NC
11632.95' - 20023.67'	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 180 to 200 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 7659 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 153H

Measured Depth:	20023.67 ft	**Site:**	30-19
TVD RKB:	11773.00 ft	**Slot:**	POKER LAKE UNIT 30-19 BS 153H
Location			
Cartographic Reference System:	New Mexico East - NAD 27		
Northing:	403013.40 ft		
Easting:	660022.80 ft		
RKB:	3431.00 ft		
Ground Level:	3389.00 ft		
North Reference:	Grid		
Convergence Angle:	0.27 Deg		

Plan Sections POKER LAKE UNIT 30-19 BS 153H

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	10.00	0.00	0.00	0.00	0.00	0.00	
1100.00	0.00	0.00	1110.00	0.00	0.00	0.00	0.00	0.00	
2924.15	36.48	145.67	2813.36	-463.58	316.64	2.00	0.00	2.00	
5652.00	36.48	145.67	5006.64	-1802.92	1231.44	0.00	0.00	0.00	
7476.15	0.00	0.00	6710.00	-2266.50	1548.08	-2.00	0.00	2.00	
11832.95	0.00	0.00	11066.80	-2266.50	1548.08	0.00	0.00	0.00	
12957.95	90.00	345.60	11783.00	-1572.80	1370.00	8.00	0.00	8.00	FTP 9
19933.32	90.00	345.60	11783.00	5183.50	-364.40	0.00	0.00	0.00	LTP 9
20023.67	90.00	345.60	11783.00	5271.01	-386.86	0.00	0.00	0.00	BHL 9

Position Uncertainty POKER LAKE UNIT 30-19 BS 153H

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	145.666	1199.980	4.405	0.000	4.968	-0.000	2.691	0.000	0.000	5.040	4.324	126.460	MWD+IFR1+MS
1300.000	4.000	145.666	1299.838	5.260	0.000	5.281	-0.000	2.752	0.000	0.000	5.601	4.927	101.229	MWD+IFR1+MS
1400.000	6.000	145.666	1399.452	6.010	0.000	5.600	-0.000	2.817	0.000	0.000	6.279	5.315	87.525	MWD+IFR1+MS
1500.000	8.000	145.666	1498.702	6.688	0.000	5.925	-0.000	2.890	0.000	0.000	6.948	5.651	81.845	MWD+IFR1+MS
1600.000	10.000	145.666	1597.465	7.314	0.000	6.257	-0.000	2.973	0.000	0.000	7.584	5.977	79.022	MWD+IFR1+MS
1700.000	12.000	145.666	1695.623	7.898	0.000	6.595	-0.000	3.068	0.000	0.000	8.187	6.305	77.404	MWD+IFR1+MS
1800.000	14.000	145.666	1793.055	8.448	0.000	6.941	-0.000	3.176	0.000	0.000	8.762	6.639	76.398	MWD+IFR1+MS
1900.000	16.000	145.666	1889.643	8.971	0.000	7.295	-0.000	3.299	0.000	0.000	9.313	6.982	75.749	MWD+IFR1+MS
2000.000	18.000	145.666	1985.268	9.469	0.000	7.659	-0.000	3.439	0.000	0.000	9.843	7.334	75.334	MWD+IFR1+MS
2100.000	20.000	145.666	2079.816	9.948	0.000	8.034	-0.000	3.597	0.000	0.000	10.355	7.696	75.086	MWD+IFR1+MS
2200.000	22.000	145.666	2173.169	10.408	0.000	8.420	-0.000	3.774	0.000	0.000	10.852	8.071	74.969	MWD+IFR1+MS
2300.000	24.000	145.666	2265.215	10.853	0.000	8.819	-0.000	3.970	0.000	0.000	11.335	8.459	74.965	MWD+IFR1+MS
2400.000	26.000	145.666	2355.841	11.284	0.000	9.233	-0.000	4.188	0.000	0.000	11.806	8.862	75.065	MWD+IFR1+MS
2500.000	28.000	145.666	2444.937	11.703	0.000	9.662	-0.000	4.427	0.000	0.000	12.267	9.279	75.268	MWD+IFR1+MS
2600.000	30.000	145.666	2532.394	12.111	0.000	10.107	-0.000	4.687	0.000	0.000	12.718	9.713	75.580	MWD+IFR1+MS
2700.000	32.000	145.666	2618.107	12.510	0.000	10.571	-0.000	4.971	0.000	0.000	13.160	10.163	76.011	MWD+IFR1+MS
2800.000	34.000	145.666	2701.970	12.900	0.000	11.053	-0.000	5.276	0.000	0.000	13.595	10.630	76.582	MWD+IFR1+MS
2900.000	36.000	145.666	2783.881	13.283	0.000	11.554	-0.000	5.605	0.000	0.000	14.024	11.115	77.317	MWD+IFR1+MS
2924.146	36.483	145.666	2803.355	13.329	0.000	11.674	-0.000	5.646	0.000	0.000	14.098	11.234	77.545	MWD+IFR1+MS

3000.000	36.483	145.666	2864.344	13.594	0.000	12.059	-0.000	5.799	0.000	0.000	14.322	11.612	78.496	MWD+IFR1+MS
3100.000	36.483	145.666	2944.748	13.956	0.000	12.588	-0.000	6.017	0.000	0.000	14.633	12.123	80.108	MWD+IFR1+MS
3200.000	36.483	145.666	3025.151	14.334	0.000	13.131	-0.000	6.248	0.000	0.000	14.961	12.640	82.064	MWD+IFR1+MS
3300.000	36.483	145.666	3105.555	14.723	0.000	13.684	-0.000	6.489	0.000	0.000	15.304	13.159	84.370	MWD+IFR1+MS
3400.000	36.483	145.666	3185.958	15.122	0.000	14.244	-0.000	6.739	0.000	0.000	15.662	13.677	87.081	MWD+IFR1+MS
3500.000	36.483	145.666	3266.361	15.530	0.000	14.811	-0.000	6.996	0.000	0.000	16.038	14.192	90.240	MWD+IFR1+MS
3600.000	36.483	145.666	3346.765	15.947	0.000	15.385	-0.000	7.261	0.000	0.000	16.433	14.699	93.860	MWD+IFR1+MS
3700.000	36.483	145.666	3427.168	16.372	0.000	15.965	-0.000	7.531	0.000	0.000	16.850	15.196	97.900	MWD+IFR1+MS
3800.000	36.483	145.666	3507.572	16.805	0.000	16.549	-0.000	7.807	0.000	0.000	17.290	15.680	102.243	MWD+IFR1+MS
3900.000	36.483	145.666	3587.975	17.244	0.000	17.138	-0.000	8.089	0.000	0.000	17.755	16.150	106.703	MWD+IFR1+MS
4000.000	36.483	145.666	3668.378	17.690	0.000	17.732	-0.000	8.374	0.000	0.000	18.244	16.604	111.061	MWD+IFR1+MS
4100.000	36.483	145.666	3748.782	18.141	0.000	18.328	-0.000	8.664	0.000	0.000	18.755	17.045	115.129	MWD+IFR1+MS
4200.000	36.483	145.666	3829.185	18.598	0.000	18.929	-0.000	8.958	0.000	0.000	19.285	17.473	118.787	MWD+IFR1+MS
4300.000	36.483	145.666	3909.589	19.060	0.000	19.532	-0.000	9.255	0.000	0.000	19.832	17.892	121.990	MWD+IFR1+MS
4400.000	36.483	145.666	3989.992	19.526	0.000	20.138	-0.000	9.556	0.000	0.000	20.392	18.304	124.748	MWD+IFR1+MS
4500.000	36.483	145.666	4070.395	19.997	0.000	20.747	-0.000	9.859	0.000	0.000	20.964	18.711	127.105	MWD+IFR1+MS
4600.000	36.483	145.666	4150.799	20.472	0.000	21.358	-0.000	10.165	0.000	0.000	21.544	19.115	129.115	MWD+IFR1+MS
4700.000	36.483	145.666	4231.202	20.951	0.000	21.971	-0.000	10.473	0.000	0.000	22.133	19.516	130.832	MWD+IFR1+MS
4800.000	36.483	145.666	4311.606	21.433	0.000	22.586	-0.000	10.784	0.000	0.000	22.727	19.916	132.305	MWD+IFR1+MS
4900.000	36.483	145.666	4392.009	21.919	0.000	23.202	-0.000	11.097	0.000	0.000	23.326	20.316	133.574	MWD+IFR1+MS
5000.000	36.483	145.666	4472.413	22.408	0.000	23.821	-0.000	11.412	0.000	0.000	23.930	20.716	134.675	MWD+IFR1+MS
5100.000	36.483	145.666	4552.816	22.899	0.000	24.441	-0.000	11.729	0.000	0.000	24.537	21.117	-44.364	MWD+IFR1+MS
5200.000	36.483	145.666	4633.219	23.393	0.000	25.062	-0.000	12.047	0.000	0.000	25.148	21.518	-43.521	MWD+IFR1+MS
5300.000	36.483	145.666	4713.623	23.890	0.000	25.685	-0.000	12.367	0.000	0.000	25.761	21.920	-42.776	MWD+IFR1+MS
5400.000	36.483	145.666	4794.026	24.389	0.000	26.309	-0.000	12.689	0.000	0.000	26.377	22.323	-42.115	MWD+IFR1+MS
5500.000	36.483	145.666	4874.430	24.891	0.000	26.934	-0.000	13.012	0.000	0.000	26.995	22.727	-41.525	MWD+IFR1+MS
5600.000	36.483	145.666	4954.833	25.394	0.000	27.560	-0.000	13.336	0.000	0.000	27.615	23.132	-40.996	MWD+IFR1+MS
5652.002	36.483	145.666	4996.645	25.654	0.000	27.882	-0.000	13.504	0.000	0.000	27.935	23.342	-40.719	MWD+IFR1+MS
5700.000	35.523	145.666	5035.474	25.958	0.000	28.178	-0.000	13.659	0.000	0.000	28.227	23.536	-40.481	MWD+IFR1+MS
5800.000	33.523	145.666	5117.859	26.612	0.000	28.784	-0.000	14.001	0.000	0.000	28.831	23.979	-40.196	MWD+IFR1+MS
5900.000	31.523	145.666	5202.173	27.269	0.000	29.374	-0.000	14.347	0.000	0.000	29.420	24.455	-40.105	MWD+IFR1+MS
6000.000	29.523	145.666	5288.311	27.880	0.000	29.944	-0.000	14.667	0.000	0.000	29.990	24.934	-40.048	MWD+IFR1+MS
6100.000	27.523	145.666	5376.169	28.444	0.000	30.493	-0.000	14.961	0.000	0.000	30.539	25.411	-40.021	MWD+IFR1+MS

6200.000	25.523	145.666	5465.640	28.961	0.000	31.021	-0.000	15.232	0.000	0.000	31.068	25.887	-40.022	MWD+IFR1+MS
6300.000	23.523	145.666	5556.615	29.430	0.000	31.527	-0.000	15.479	0.000	0.000	31.575	26.359	-40.049	MWD+IFR1+MS
6400.000	21.523	145.666	5648.983	29.850	0.000	32.012	-0.000	15.705	0.000	0.000	32.060	26.825	-40.099	MWD+IFR1+MS
6500.000	19.523	145.666	5742.631	30.221	0.000	32.475	-0.000	15.911	0.000	0.000	32.524	27.285	-40.173	MWD+IFR1+MS
6600.000	17.523	145.666	5837.446	30.543	0.000	32.915	-0.000	16.097	0.000	0.000	32.967	27.736	-40.268	MWD+IFR1+MS
6700.000	15.523	145.666	5933.312	30.815	0.000	33.334	-0.000	16.266	0.000	0.000	33.388	28.178	-40.385	MWD+IFR1+MS
6800.000	13.523	145.666	6030.111	31.038	0.000	33.731	-0.000	16.418	0.000	0.000	33.787	28.609	-40.522	MWD+IFR1+MS
6900.000	11.523	145.666	6127.727	31.210	0.000	34.107	-0.000	16.555	0.000	0.000	34.165	29.028	-40.679	MWD+IFR1+MS
7000.000	9.523	145.666	6226.041	31.334	0.000	34.462	-0.000	16.679	0.000	0.000	34.523	29.434	-40.857	MWD+IFR1+MS
7100.000	7.523	145.666	6324.931	31.408	0.000	34.796	-0.000	16.792	0.000	0.000	34.860	29.826	-41.053	MWD+IFR1+MS
7200.000	5.523	145.666	6424.279	31.433	0.000	35.110	-0.000	16.894	0.000	0.000	35.178	30.204	-41.268	MWD+IFR1+MS
7300.000	3.523	145.666	6523.962	31.411	0.000	35.405	-0.000	16.988	0.000	0.000	35.476	30.566	-41.501	MWD+IFR1+MS
7400.000	1.523	145.666	6623.860	31.341	0.000	35.680	-0.000	17.075	0.000	0.000	35.755	30.913	-41.752	MWD+IFR1+MS
7476.149	0.000	0.000	6700.000	33.329	0.000	33.880	0.000	17.137	0.000	0.000	35.936	31.101	-41.721	MWD+IFR1+MS
7500.000	0.000	0.000	6723.851	33.384	0.000	33.932	0.000	17.156	0.000	0.000	35.988	31.156	-41.741	MWD+IFR1+MS
7600.000	0.000	0.000	6823.851	33.615	0.000	34.150	0.000	17.239	0.000	0.000	36.209	31.387	-41.808	MWD+IFR1+MS
7700.000	0.000	0.000	6923.851	33.852	0.000	34.374	0.000	17.323	0.000	0.000	36.438	31.620	-41.878	MWD+IFR1+MS
7800.000	0.000	0.000	7023.851	34.090	0.000	34.601	0.000	17.410	0.000	0.000	36.669	31.855	-41.948	MWD+IFR1+MS
7900.000	0.000	0.000	7123.851	34.331	0.000	34.829	0.000	17.500	0.000	0.000	36.902	32.092	-42.017	MWD+IFR1+MS
8000.000	0.000	0.000	7223.851	34.573	0.000	35.060	0.000	17.593	0.000	0.000	37.137	32.332	-42.085	MWD+IFR1+MS
8100.000	0.000	0.000	7323.851	34.818	0.000	35.293	0.000	17.688	0.000	0.000	37.374	32.574	-42.152	MWD+IFR1+MS
8200.000	0.000	0.000	7423.851	35.064	0.000	35.528	0.000	17.787	0.000	0.000	37.613	32.818	-42.219	MWD+IFR1+MS
8300.000	0.000	0.000	7523.851	35.313	0.000	35.765	0.000	17.888	0.000	0.000	37.854	33.064	-42.284	MWD+IFR1+MS
8400.000	0.000	0.000	7623.851	35.563	0.000	36.004	0.000	17.992	0.000	0.000	38.097	33.312	-42.349	MWD+IFR1+MS
8500.000	0.000	0.000	7723.851	35.816	0.000	36.246	0.000	18.099	0.000	0.000	38.341	33.562	-42.413	MWD+IFR1+MS
8600.000	0.000	0.000	7823.851	36.070	0.000	36.489	0.000	18.209	0.000	0.000	38.588	33.814	-42.477	MWD+IFR1+MS
8700.000	0.000	0.000	7923.851	36.325	0.000	36.733	0.000	18.322	0.000	0.000	38.836	34.068	-42.540	MWD+IFR1+MS
8800.000	0.000	0.000	8023.851	36.583	0.000	36.980	0.000	18.438	0.000	0.000	39.086	34.324	-42.602	MWD+IFR1+MS
8900.000	0.000	0.000	8123.851	36.842	0.000	37.229	0.000	18.557	0.000	0.000	39.337	34.582	-42.663	MWD+IFR1+MS
9000.000	0.000	0.000	8223.851	37.103	0.000	37.479	0.000	18.680	0.000	0.000	39.591	34.841	-42.724	MWD+IFR1+MS
9100.000	0.000	0.000	8323.851	37.365	0.000	37.731	0.000	18.805	0.000	0.000	39.845	35.102	-42.784	MWD+IFR1+MS
9200.000	0.000	0.000	8423.851	37.629	0.000	37.985	0.000	18.934	0.000	0.000	40.102	35.365	-42.843	MWD+IFR1+MS
9300.000	0.000	0.000	8523.851	37.895	0.000	38.240	0.000	19.066	0.000	0.000	40.360	35.629	-42.902	MWD+IFR1+MS

9400.000	0.000	0.000	8623.851	38.162	0.000	38.498	0.000	19.202	0.000	0.000	40.619	35.895	-42.960	MWD+IFR1+MS
9500.000	0.000	0.000	8723.851	38.431	0.000	38.756	0.000	19.341	0.000	0.000	40.880	36.163	-43.017	MWD+IFR1+MS
9600.000	0.000	0.000	8823.851	38.701	0.000	39.017	0.000	19.483	0.000	0.000	41.143	36.432	-43.074	MWD+IFR1+MS
9700.000	0.000	0.000	8923.851	38.972	0.000	39.278	0.000	19.629	0.000	0.000	41.407	36.703	-43.130	MWD+IFR1+MS
9800.000	0.000	0.000	9023.851	39.245	0.000	39.542	0.000	19.778	0.000	0.000	41.672	36.975	-43.186	MWD+IFR1+MS
9900.000	0.000	0.000	9123.851	39.519	0.000	39.807	0.000	19.931	0.000	0.000	41.939	37.249	-43.240	MWD+IFR1+MS
10000.000	0.000	0.000	9223.851	39.795	0.000	40.073	0.000	20.087	0.000	0.000	42.207	37.524	-43.295	MWD+IFR1+MS
10100.000	0.000	0.000	9323.851	40.072	0.000	40.341	0.000	20.246	0.000	0.000	42.477	37.800	-43.349	MWD+IFR1+MS
10200.000	0.000	0.000	9423.851	40.350	0.000	40.610	0.000	20.410	0.000	0.000	42.747	38.078	-43.402	MWD+IFR1+MS
10300.000	0.000	0.000	9523.851	40.629	0.000	40.880	0.000	20.576	0.000	0.000	43.020	38.357	-43.454	MWD+IFR1+MS
10400.000	0.000	0.000	9623.851	40.910	0.000	41.152	0.000	20.747	0.000	0.000	43.293	38.638	-43.507	MWD+IFR1+MS
10500.000	0.000	0.000	9723.851	41.192	0.000	41.425	0.000	20.921	0.000	0.000	43.567	38.919	-43.558	MWD+IFR1+MS
10600.000	0.000	0.000	9823.851	41.475	0.000	41.700	0.000	21.099	0.000	0.000	43.843	39.202	-43.609	MWD+IFR1+MS
10700.000	0.000	0.000	9923.851	41.759	0.000	41.976	0.000	21.280	0.000	0.000	44.120	39.487	-43.660	MWD+IFR1+MS
10800.000	0.000	0.000	10023.851	42.045	0.000	42.253	0.000	21.465	0.000	0.000	44.398	39.772	-43.710	MWD+IFR1+MS
10900.000	0.000	0.000	10123.851	42.331	0.000	42.531	0.000	21.654	0.000	0.000	44.678	40.058	-43.759	MWD+IFR1+MS
11000.000	0.000	0.000	10223.851	42.619	0.000	42.810	0.000	21.847	0.000	0.000	44.958	40.346	-43.808	MWD+IFR1+MS
11100.000	0.000	0.000	10323.851	42.907	0.000	43.091	0.000	22.043	0.000	0.000	45.240	40.635	-43.856	MWD+IFR1+MS
11200.000	0.000	0.000	10423.851	43.197	0.000	43.372	0.000	22.243	0.000	0.000	45.522	40.925	-43.904	MWD+IFR1+MS
11300.000	0.000	0.000	10523.851	43.488	0.000	43.655	0.000	22.447	0.000	0.000	45.806	41.216	-43.952	MWD+IFR1+MS
11400.000	0.000	0.000	10623.851	43.779	0.000	43.939	0.000	22.654	0.000	0.000	46.091	41.508	-43.999	MWD+IFR1+MS
11500.000	0.000	0.000	10723.851	44.072	0.000	44.224	0.000	22.866	0.000	0.000	46.377	41.801	-44.045	MWD+IFR1+MS
11600.000	0.000	0.000	10823.851	44.366	0.000	44.510	0.000	23.081	0.000	0.000	46.664	42.095	-44.092	MWD+IFR1+MS
11700.000	0.000	0.000	10923.851	44.660	0.000	44.797	0.000	23.300	0.000	0.000	46.951	42.390	-44.137	MWD+IFR1+MS
11800.000	0.000	0.000	11023.851	44.956	0.000	45.086	0.000	23.523	0.000	0.000	47.240	42.686	-44.182	MWD+IFR1+MS
11832.951	0.000	0.000	11056.803	45.052	0.000	45.180	0.000	23.597	0.000	0.000	47.333	42.784	-44.197	MWD+IFR1+MS
11900.000	5.364	345.603	11123.753	43.050	0.000	46.435	0.000	23.747	0.000	0.000	47.532	43.007	-44.510	MWD+IFR1+MS
12000.000	13.364	345.603	11222.341	41.812	0.000	46.690	0.000	24.003	0.000	0.000	47.992	43.691	131.606	MWD+IFR1+MS
12100.000	21.364	345.603	11317.706	40.379	0.000	46.923	0.000	24.379	0.000	0.000	48.558	44.399	126.148	MWD+IFR1+MS
12200.000	29.364	345.603	11407.993	38.578	0.000	47.133	0.000	24.924	0.000	0.000	49.115	44.931	121.470	MWD+IFR1+MS
12300.000	37.364	345.603	11491.445	36.583	0.000	47.320	0.000	25.678	0.000	0.000	49.622	45.317	117.958	MWD+IFR1+MS
12400.000	45.364	345.603	11566.437	34.612	0.000	47.486	0.000	26.654	0.000	0.000	50.047	45.592	115.634	MWD+IFR1+MS
12500.000	53.364	345.603	11631.509	32.926	0.000	47.631	0.000	27.844	0.000	0.000	50.373	45.781	114.326	MWD+IFR1+MS

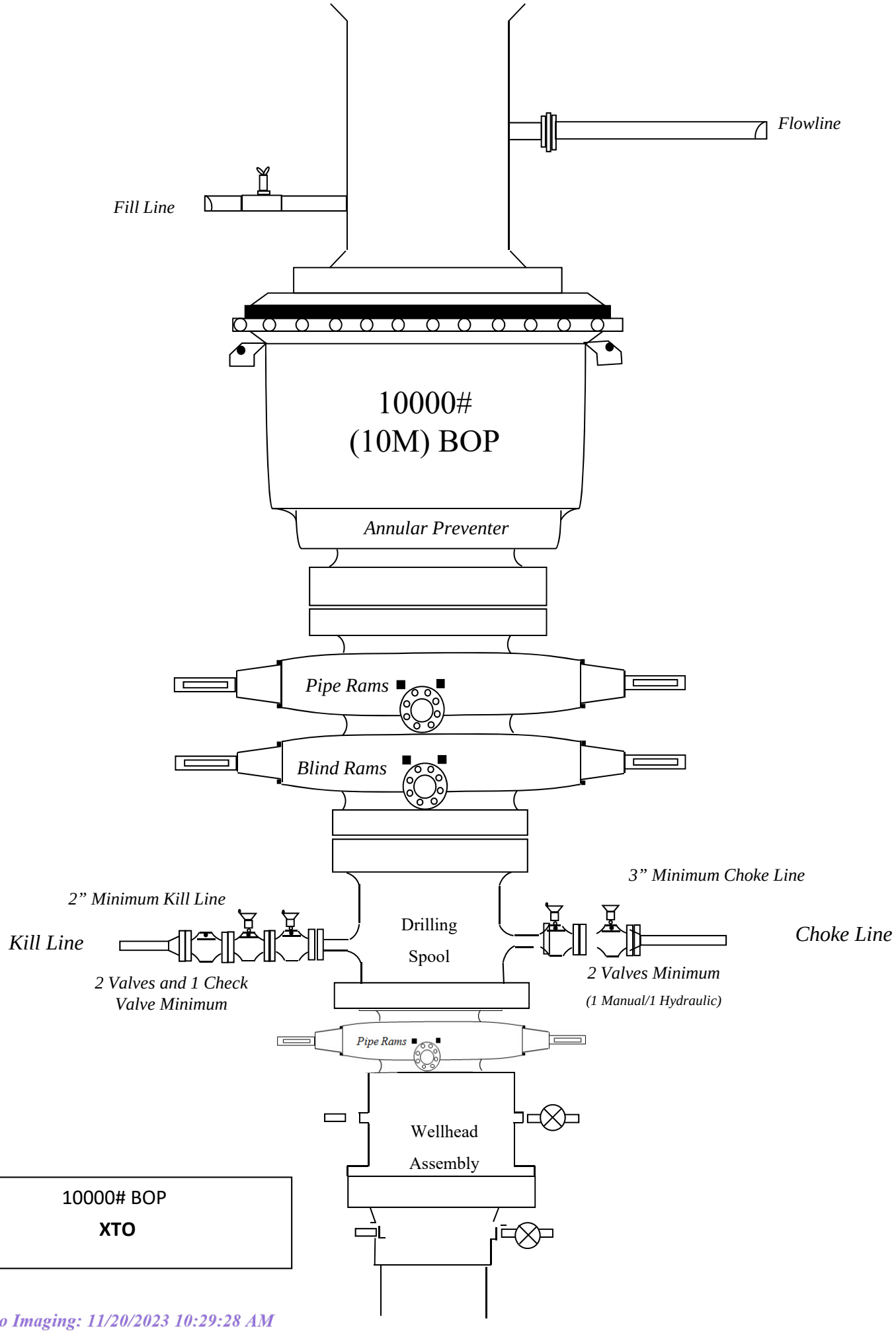
12600.000	61.364	345.603	11685.396	31.801	0.000	47.755	0.000	29.216	0.000	0.000	50.600	45.905	113.806	MWD+IFR1+MS
12700.000	69.364	345.603	11727.047	31.479	0.000	47.859	0.000	30.727	0.000	0.000	50.739	45.980	113.841	MWD+IFR1+MS
12800.000	77.364	345.603	11755.653	32.094	0.000	47.942	0.000	32.322	0.000	0.000	50.809	46.022	114.192	MWD+IFR1+MS
12900.000	85.364	345.603	11770.657	33.626	0.000	48.001	0.000	33.944	0.000	0.000	50.833	46.049	114.608	MWD+IFR1+MS
12957.951	90.000	345.603	11773.000	34.413	0.000	48.022	0.000	34.413	0.000	0.000	50.834	46.063	114.756	MWD+IFR1+MS
13000.000	90.000	345.603	11773.000	34.584	0.000	48.035	0.000	34.584	0.000	0.000	50.834	46.074	114.832	MWD+IFR1+MS
13100.000	90.000	345.603	11773.000	34.954	0.000	48.082	0.000	34.954	0.000	0.000	50.841	46.112	115.113	MWD+IFR1+MS
13200.000	90.000	345.603	11773.000	35.340	0.000	48.148	0.000	35.340	0.000	0.000	50.855	46.161	115.509	MWD+IFR1+MS
13300.000	90.000	345.603	11773.000	35.739	0.000	48.232	0.000	35.739	0.000	0.000	50.878	46.220	116.011	MWD+IFR1+MS
13400.000	90.000	345.603	11773.000	36.151	0.000	48.333	0.000	36.151	0.000	0.000	50.908	46.289	116.623	MWD+IFR1+MS
13500.000	90.000	345.603	11773.000	36.575	0.000	48.451	0.000	36.575	0.000	0.000	50.947	46.368	117.346	MWD+IFR1+MS
13600.000	90.000	345.603	11773.000	37.011	0.000	48.586	0.000	37.011	0.000	0.000	50.996	46.454	118.185	MWD+IFR1+MS
13700.000	90.000	345.603	11773.000	37.458	0.000	48.738	0.000	37.458	0.000	0.000	51.054	46.549	119.140	MWD+IFR1+MS
13800.000	90.000	345.603	11773.000	37.916	0.000	48.907	0.000	37.916	0.000	0.000	51.123	46.650	120.213	MWD+IFR1+MS
13900.000	90.000	345.603	11773.000	38.385	0.000	49.092	0.000	38.385	0.000	0.000	51.203	46.756	121.402	MWD+IFR1+MS
14000.000	90.000	345.603	11773.000	38.864	0.000	49.293	0.000	38.864	0.000	0.000	51.296	46.867	122.705	MWD+IFR1+MS
14100.000	90.000	345.603	11773.000	39.353	0.000	49.511	0.000	39.353	0.000	0.000	51.403	46.981	124.117	MWD+IFR1+MS
14200.000	90.000	345.603	11773.000	39.851	0.000	49.744	0.000	39.851	0.000	0.000	51.524	47.096	125.627	MWD+IFR1+MS
14300.000	90.000	345.603	11773.000	40.358	0.000	49.994	0.000	40.358	0.000	0.000	51.661	47.213	127.226	MWD+IFR1+MS
14400.000	90.000	345.603	11773.000	40.874	0.000	50.258	0.000	40.874	0.000	0.000	51.815	47.328	128.897	MWD+IFR1+MS
14500.000	90.000	345.603	11773.000	41.399	0.000	50.538	0.000	41.399	0.000	0.000	51.987	47.442	130.622	MWD+IFR1+MS
14600.000	90.000	345.603	11773.000	41.931	0.000	50.833	0.000	41.931	0.000	0.000	52.177	47.553	132.381	MWD+IFR1+MS
14700.000	90.000	345.603	11773.000	42.472	0.000	51.142	0.000	42.472	0.000	0.000	52.385	47.660	134.152	MWD+IFR1+MS
14800.000	90.000	345.603	11773.000	43.020	0.000	51.466	0.000	43.020	0.000	0.000	52.614	47.763	-44.085	MWD+IFR1+MS
14900.000	90.000	345.603	11773.000	43.575	0.000	51.805	0.000	43.575	0.000	0.000	52.862	47.861	-42.352	MWD+IFR1+MS
15000.000	90.000	345.603	11773.000	44.137	0.000	52.157	0.000	44.137	0.000	0.000	53.130	47.954	-40.666	MWD+IFR1+MS
15100.000	90.000	345.603	11773.000	44.706	0.000	52.522	0.000	44.706	0.000	0.000	53.417	48.041	-39.041	MWD+IFR1+MS
15200.000	90.000	345.603	11773.000	45.282	0.000	52.901	0.000	45.282	0.000	0.000	53.724	48.123	-37.490	MWD+IFR1+MS
15300.000	90.000	345.603	11773.000	45.863	0.000	53.293	0.000	45.863	0.000	0.000	54.050	48.199	-36.019	MWD+IFR1+MS
15400.000	90.000	345.603	11773.000	46.451	0.000	53.698	0.000	46.451	0.000	0.000	54.394	48.271	-34.633	MWD+IFR1+MS
15500.000	90.000	345.603	11773.000	47.044	0.000	54.115	0.000	47.044	0.000	0.000	54.755	48.338	-33.335	MWD+IFR1+MS
15600.000	90.000	345.603	11773.000	47.643	0.000	54.545	0.000	47.643	0.000	0.000	55.134	48.401	-32.123	MWD+IFR1+MS
15700.000	90.000	345.603	11773.000	48.247	0.000	54.986	0.000	48.247	0.000	0.000	55.529	48.459	-30.997	MWD+IFR1+MS

15800.000	90.000	345.603	11773.000	48.857	0.000	55.439	0.000	48.857	0.000	0.000	55.940	48.515	-29.951	MWD+IFR1+MS
15900.000	90.000	345.603	11773.000	49.471	0.000	55.903	0.000	49.471	0.000	0.000	56.365	48.567	-28.982	MWD+IFR1+MS
16000.000	90.000	345.603	11773.000	50.090	0.000	56.379	0.000	50.090	0.000	0.000	56.806	48.616	-28.086	MWD+IFR1+MS
16100.000	90.000	345.603	11773.000	50.713	0.000	56.865	0.000	50.713	0.000	0.000	57.260	48.663	-27.257	MWD+IFR1+MS
16200.000	90.000	345.603	11773.000	51.341	0.000	57.361	0.000	51.341	0.000	0.000	57.728	48.707	-26.491	MWD+IFR1+MS
16300.000	90.000	345.603	11773.000	51.974	0.000	57.868	0.000	51.974	0.000	0.000	58.208	48.749	-25.782	MWD+IFR1+MS
16400.000	90.000	345.603	11773.000	52.610	0.000	58.385	0.000	52.610	0.000	0.000	58.700	48.790	-25.127	MWD+IFR1+MS
16500.000	90.000	345.603	11773.000	53.251	0.000	58.912	0.000	53.251	0.000	0.000	59.205	48.829	-24.520	MWD+IFR1+MS
16600.000	90.000	345.603	11773.000	53.895	0.000	59.448	0.000	53.895	0.000	0.000	59.720	48.867	-23.958	MWD+IFR1+MS
16700.000	90.000	345.603	11773.000	54.543	0.000	59.993	0.000	54.543	0.000	0.000	60.247	48.904	-23.437	MWD+IFR1+MS
16800.000	90.000	345.603	11773.000	55.194	0.000	60.547	0.000	55.194	0.000	0.000	60.784	48.940	-22.953	MWD+IFR1+MS
16900.000	90.000	345.603	11773.000	55.849	0.000	61.110	0.000	55.849	0.000	0.000	61.331	48.975	-22.504	MWD+IFR1+MS
17000.000	90.000	345.603	11773.000	56.507	0.000	61.681	0.000	56.507	0.000	0.000	61.888	49.009	-22.086	MWD+IFR1+MS
17100.000	90.000	345.603	11773.000	57.168	0.000	62.261	0.000	57.168	0.000	0.000	62.454	49.043	-21.696	MWD+IFR1+MS
17200.000	90.000	345.603	11773.000	57.833	0.000	62.848	0.000	57.833	0.000	0.000	63.029	49.076	-21.334	MWD+IFR1+MS
17300.000	90.000	345.603	11773.000	58.500	0.000	63.444	0.000	58.500	0.000	0.000	63.613	49.109	-20.995	MWD+IFR1+MS
17400.000	90.000	345.603	11773.000	59.171	0.000	64.046	0.000	59.171	0.000	0.000	64.206	49.141	-20.679	MWD+IFR1+MS
17500.000	90.000	345.603	11773.000	59.844	0.000	64.657	0.000	59.844	0.000	0.000	64.806	49.173	-20.383	MWD+IFR1+MS
17600.000	90.000	345.603	11773.000	60.519	0.000	65.274	0.000	60.519	0.000	0.000	65.415	49.205	-20.105	MWD+IFR1+MS
17700.000	90.000	345.603	11773.000	61.198	0.000	65.898	0.000	61.198	0.000	0.000	66.031	49.237	-19.845	MWD+IFR1+MS
17800.000	90.000	345.603	11773.000	61.879	0.000	66.530	0.000	61.879	0.000	0.000	66.654	49.269	-19.601	MWD+IFR1+MS
17900.000	90.000	345.603	11773.000	62.562	0.000	67.167	0.000	62.562	0.000	0.000	67.284	49.301	-19.372	MWD+IFR1+MS
18000.000	90.000	345.603	11773.000	63.248	0.000	67.811	0.000	63.248	0.000	0.000	67.922	49.333	-19.156	MWD+IFR1+MS
18100.000	90.000	345.603	11773.000	63.936	0.000	68.461	0.000	63.936	0.000	0.000	68.566	49.365	-18.953	MWD+IFR1+MS
18200.000	90.000	345.603	11773.000	64.626	0.000	69.118	0.000	64.626	0.000	0.000	69.216	49.397	-18.762	MWD+IFR1+MS
18300.000	90.000	345.603	11773.000	65.318	0.000	69.780	0.000	65.318	0.000	0.000	69.873	49.430	-18.581	MWD+IFR1+MS
18400.000	90.000	345.603	11773.000	66.013	0.000	70.448	0.000	66.013	0.000	0.000	70.535	49.462	-18.411	MWD+IFR1+MS
18500.000	90.000	345.603	11773.000	66.709	0.000	71.121	0.000	66.709	0.000	0.000	71.204	49.495	-18.249	MWD+IFR1+MS
18600.000	90.000	345.603	11773.000	67.407	0.000	71.800	0.000	67.407	0.000	0.000	71.878	49.528	-18.097	MWD+IFR1+MS
18700.000	90.000	345.603	11773.000	68.108	0.000	72.483	0.000	68.108	0.000	0.000	72.558	49.561	-17.952	MWD+IFR1+MS
18800.000	90.000	345.603	11773.000	68.810	0.000	73.172	0.000	68.810	0.000	0.000	73.243	49.595	-17.815	MWD+IFR1+MS
18900.000	90.000	345.603	11773.000	69.513	0.000	73.866	0.000	69.513	0.000	0.000	73.933	49.629	-17.686	MWD+IFR1+MS
19000.000	90.000	345.603	11773.000	70.219	0.000	74.565	0.000	70.219	0.000	0.000	74.628	49.663	-17.562	MWD+IFR1+MS

19100.000	90.000	345.603	11773.000	70.926	0.000	75.268	0.000	70.926	0.000	0.000	75.328	49.697	-17.445	MWD+IFR1+MS
19200.000	90.000	345.603	11773.000	71.635	0.000	75.976	0.000	71.635	0.000	0.000	76.033	49.732	-17.334	MWD+IFR1+MS
19300.000	90.000	345.603	11773.000	72.345	0.000	76.688	0.000	72.345	0.000	0.000	76.743	49.767	-17.228	MWD+IFR1+MS
19400.000	90.000	345.603	11773.000	73.057	0.000	77.405	0.000	73.057	0.000	0.000	77.457	49.803	-17.127	MWD+IFR1+MS
19500.000	90.000	345.603	11773.000	73.771	0.000	78.126	0.000	73.771	0.000	0.000	78.175	49.839	-17.031	MWD+IFR1+MS
19600.000	90.000	345.603	11773.000	74.485	0.000	78.851	0.000	74.485	0.000	0.000	78.897	49.875	-16.939	MWD+IFR1+MS
19700.000	90.000	345.603	11773.000	75.202	0.000	79.579	0.000	75.202	0.000	0.000	79.624	49.912	-16.851	MWD+IFR1+MS
19800.000	90.000	345.603	11773.000	75.919	0.000	80.312	0.000	75.919	0.000	0.000	80.354	49.949	-16.768	MWD+IFR1+MS
19900.000	90.000	345.603	11773.000	76.638	0.000	81.048	0.000	76.638	0.000	0.000	81.088	49.986	-16.688	MWD+IFR1+MS
19933.318	90.000	345.603	11773.000	76.877	0.000	81.293	0.000	76.877	0.000	0.000	81.332	49.999	-16.662	MWD+IFR1+MS
20000.000	90.000	345.603	11773.000	77.356	0.000	81.785	0.000	77.356	0.000	0.000	81.823	50.024	-16.612	MWD+IFR1+MS
20023.666	90.000	345.603	11773.000	77.526	0.000	81.959	0.000	77.526	0.000	0.000	81.997	50.033	-16.595	MWD+IFR1+MS

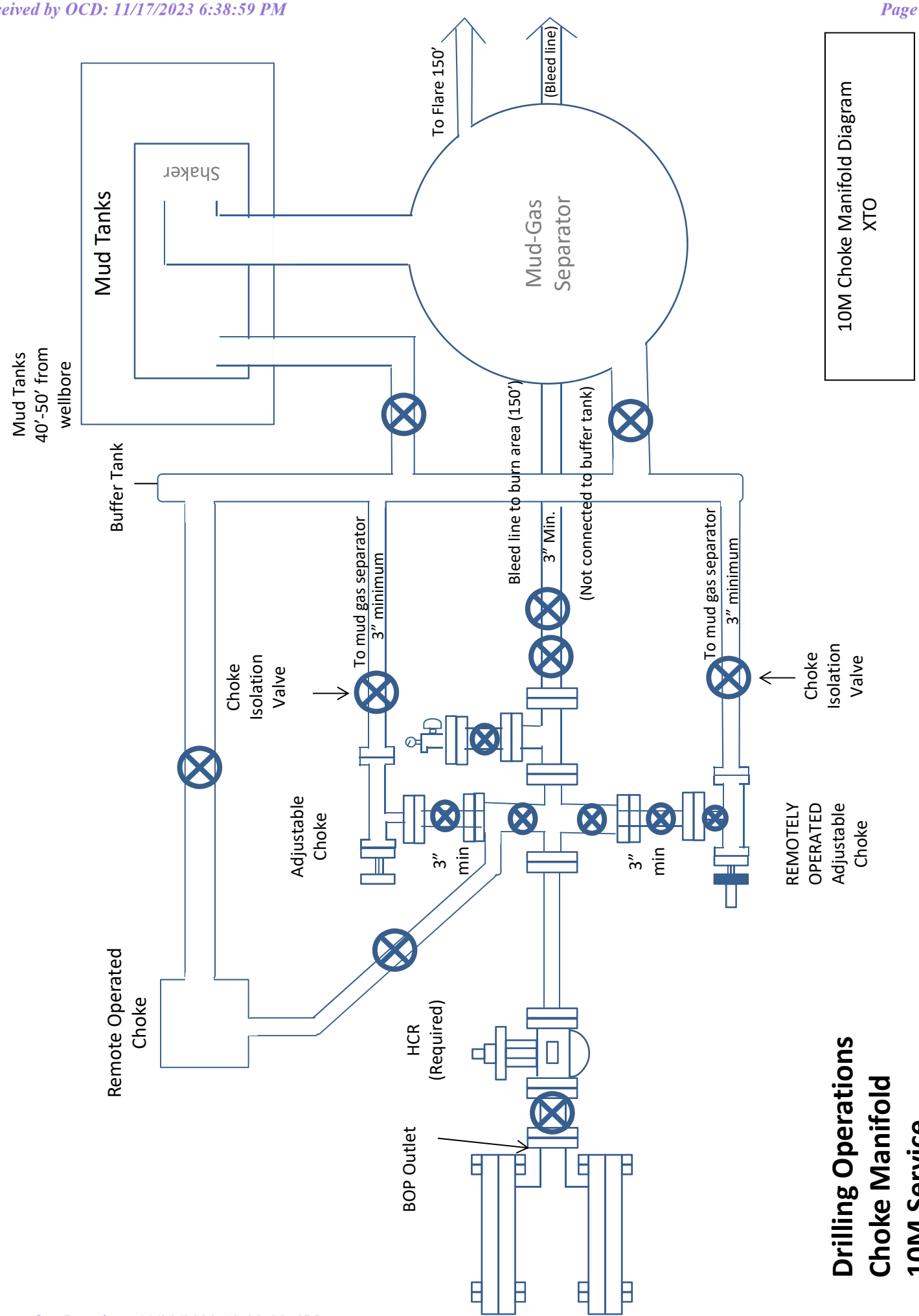
Plan Targets POKER LAKE UNIT 30-19 BS 153H

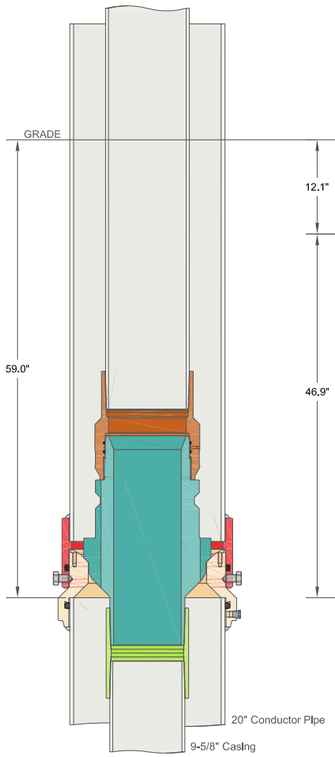
Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
FTP 9	12967.95	401440.60	661392.80	8352.00	RECTANGLE
LTP 9	19943.32	408196.90	659658.40	8352.00	RECTANGLE
BHL 9	20038.95	408283.60	659624.40	8352.00	RECTANGLE

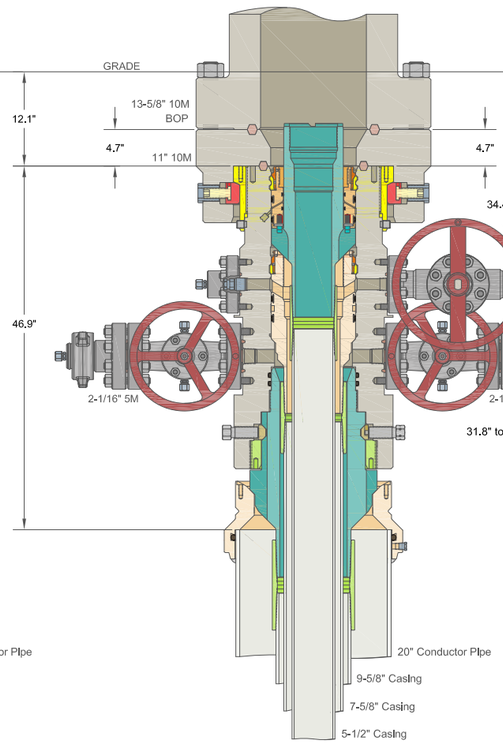


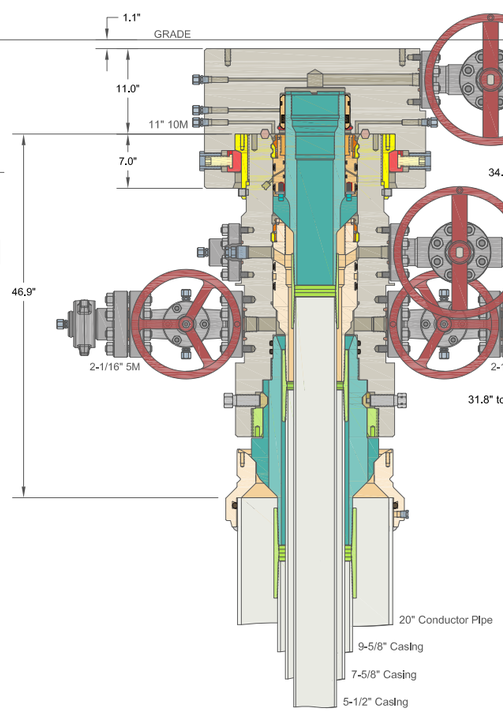
10000# BOP

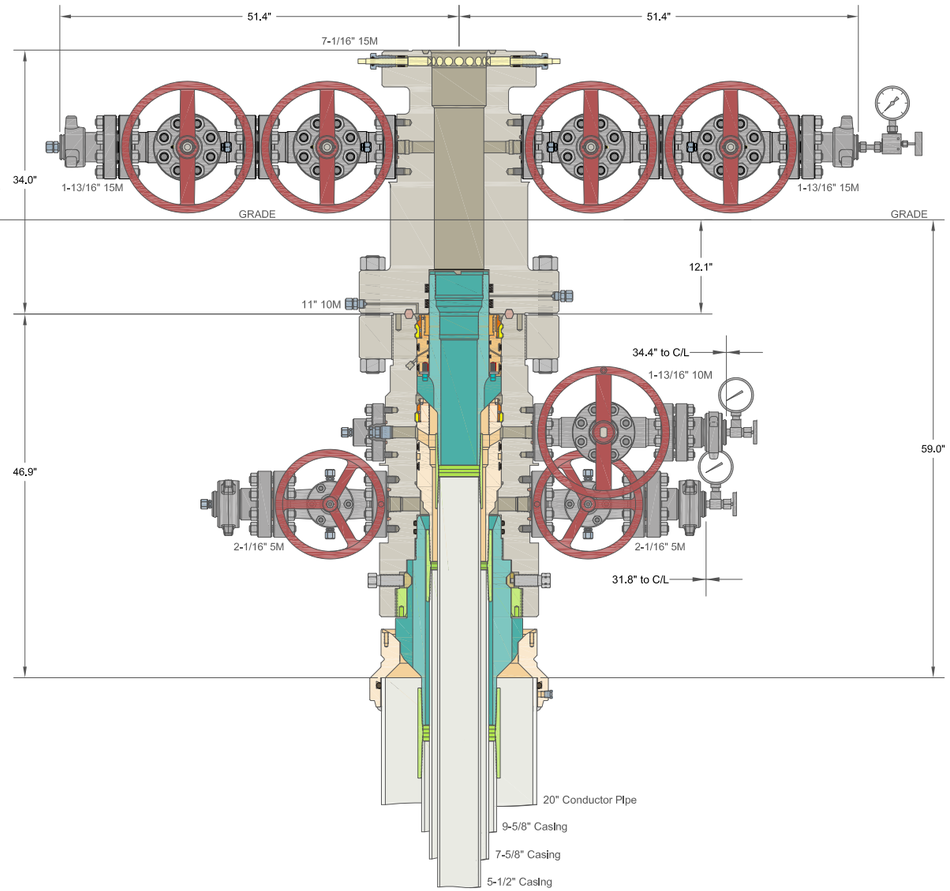
XTO


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 284202

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 284202
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	All original COA's still apply. If cement does not come to surface during cementing, then a CBL is required for that string.	11/20/2023
ward.rikala	This well can not be produced until he NSP is approved.	11/20/2023