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

Sundry Print Report

12/29/2023

Well Name: POKER LAKE UNIT 13 DTD	**Well Location:** T24S / R30E / SEC 24 / NENW /	**County or Parish/State:**
Well Number: 216H	**Type of Well:** OIL WELL	**Allottee or Tribe Name:**
Lease Number: NMNM030453	**Unit or CA Name:**	**Unit or CA Number:** NMNM71016X
US Well Number:	**Well Status:** Approved Application for Permit to Drill	**Operator:** XTO ENERGY INCORPORATED

Notice of Intent

Sundry ID: 2762577

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 11/21/2023

Time Sundry Submitted: 11:19

Date proposed operation will begin: 11/22/2023

Procedure Description: ** Surface Hole Change, First and Last Take Point Changes, Bottom Hole Location Change, Drilling Plan Change, Directional Plan Change, Casing/Cement Change. XTO Energy, Inc. requests permission to make the following changes to the original APD: SHL: fr/590'FNL & 2495'FWL to 589'FNL & 2440'FWL, Section 24-T24S-R30E FTP: fr/100'FNL & 2530'FEL to 100'FNL & 2550'FWL LTP: fr/100'FSL & 2530'FEL to 100'FSL & 2550'FWL BHL: fr/50'FSL & 2530'FEL to 50'FSL & 2550'FWL, Section 25-T24S-R30E Additionally, XTO Energy, Inc. respectfully requests permission to downsize the surface, intermediate and production hole, casing, and cement based on the attached drilling program. Due to the downsize 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 Directional Plan MBS

NOI Attachments

Procedure Description

PLU_13_DTD_216H_Sundry_Attachments_20231213132028.pdf

Well Name: POKER LAKE UNIT 13 DTD

Well Location: T24S / R30E / SEC 24 / NENW /

County or Parish/State:

Well Number: 216H

Type of Well: OIL WELL

Allottee or Tribe Name:

Lease Number: NMNM030453

Unit or CA Name:

Unit or CA Number: NMNM71016X

US Well Number:

Well Status: Approved Application for Permit to Drill

Operator: XTO ENERGY INCORPORATED

Conditions of Approval

Additional

Sec_24_24S_30E_NMP_Sundry_2762577_Poker_Lake_Unit_13_DTD_216H_COAs_20231226110034.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: KRISTEN HOUSTON

Signed on: DEC 13, 2023 01:21 PM

Name: XTO ENERGY INCORPORATED

Title: Regulatory Analyst

Street Address: 6401 HOLIDAY HILL ROAD BLDG 5

City: MIDLAND **State:** TX

Phone: (432) 620-6700

Email address: KRISTEN.HOUSTON@EXXONMOBIL.COM

Field

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CODY LAYTON

BLM POC Title: Assistant Field Manager Lands & Minerals

BLM POC Phone: 5752345959

BLM POC Email Address: clayton@blm.gov

Disposition: Approved

Disposition Date: 12/29/2023

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. NMNM030453

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 13 DTD/216H

2. Name of Operator XTO ENERGY INCORPORATED

9. API Well No.

3a. Address 222777 SPRINGSWOODS VILLAGE PKWY, SPI

3b. Phone No. *(include area code)* (817) 870-2800

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

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* SEC 24/T24S/R30E/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, Bottom Hole Location Change, Drilling Plan Change, Directional Plan Change, Casing/Cement Change.

XTO Energy, Inc. requests permission to make the following changes to the original APD:

SHL: fr/590FNL & 2495FWL to 589FNL & 2440FWL, Section 24-T24S-R30E

FTP: fr/100FNL & 2530FEL to 100FNL & 2550FWL

LTP: fr/100FSL & 2530FEL to 100FSL & 2550FWL

BHL: fr/50FSL & 2530FEL to 50FSL & 2550FWL, Section 25-T24S-R30E

Continued on page 3 additional information

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)* KRISTEN HOUSTON / Ph: (432) 620-6700

Title Regulatory Analyst

Signature (Electronic Submission)

Date 12/13/2023

THE SPACE FOR FEDERAL OR STATE OFICE USE

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

Title Petroleum Engineer

Date 12/29/2023

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

Additionally, XTO Energy, Inc. respectfully requests permission to downsize the surface, intermediate and production hole, casing, and cement based on the attached drilling program. Due to the downsize 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
Directional Plan
MBS

Location of Well

0. SHL: NENW / 590 FNL / 2495 FWL / TWSP: 24S / RANGE: 30E / SECTION: 24 / LAT: 32.209008 / LONG: -103.834907 (TVD: 0 feet, MD: 0 feet)
PPP: NWNE / 100 FNL / 2530 FEL / TWSP: 24S / RANGE: 30E / SECTION: 25 / LAT: 32.18192 / LONG: -103.83386 (TVD: 10639 feet, MD: 16400 feet)
PPP: NWNE / 100 FNL / 2530 FEL / TWSP: 24S / RANGE: 30E / SECTION: 24 / LAT: 32.210352 / LONG: -103.833858 (TVD: 10639 feet, MD: 11100 feet)
BHL: SWSE / 50 FSL / 2530 FEL / TWSP: 24S / RANGE: 30E / SECTION: 25 / LAT: 32.181733 / LONG: -103.833881 (TVD: 10639 feet, MD: 21454 feet)

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO Energy Incorporated
WELL NAME & NO.:	Poker Lake Unit 13 DTD 216H
LOCATION:	Sec 24-24S-30E-NMP
COUNTY:	Eddy County, New Mexico

*Changes approved through engineering via **Sundry 2762577** on 12/26/2023. 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 Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.

B. CASING

1. The **9-5/8** inch surface casing shall be set at approximately 612 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 6336'**

   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 9-5/8" X 7-5/8" 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** (increased tieback due to not meeting 0.422" clearance requirement per 43 CFR 3172) into previous casing string. Operator shall provide method of verification. **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 **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.

BOPE Break Testing Variance

- BOPE Break Testing is ONLY permitted for 5M BOPE or less. **(Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP)**
- BOPE Break Testing is NOT permitted to drilling the production hole section.
- Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation.
- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer **(575-706-2779)** prior to the commencement of any BOPE Break Testing

operations.

- A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
- The BLM is to be contacted (575-361-2822 Eddy County) 4 hours prior to BOPE tests.
- As a minimum, a full BOPE test shall be performed at 21-day intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per Onshore Oil and Gas Order No. 2.
- If in the event break testing is not utilized, then a full BOPE test would be conducted.

Offline Cementing
Contact the BLM prior to the commencement of any offline cementing procedure.

GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

a. Spudding well (minimum of 24 hours)
b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
c. BOPE tests (minimum of 4 hours)

☒ 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
14000089941	97975	WC-015 G-06 S243119C; Bone Spring

[4] Property Code	[5] Property Name	[6] Well Number
	POKER LAKE UNIT 13 DTD	216H

[7] OGRID No.	[8] Operator Name	[9] Elevation
005380	XTO Energy, Inc.	3,464'

[10] Surface Location

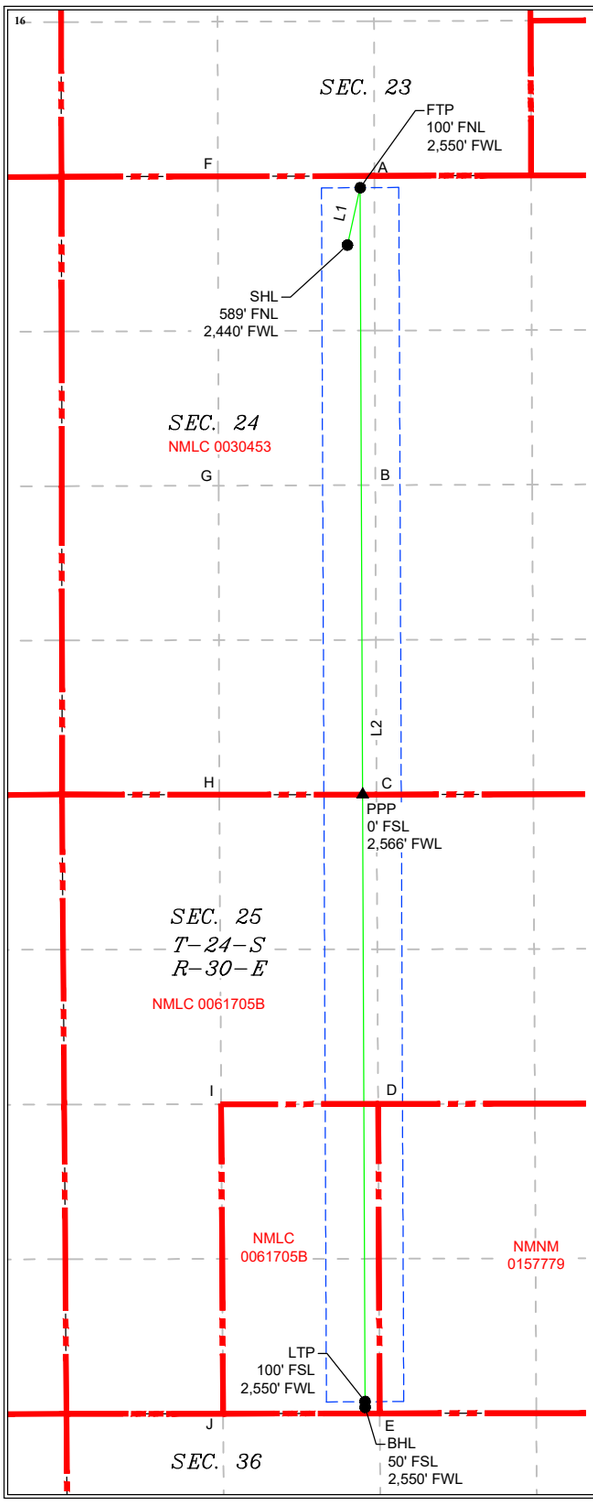
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	24	24S	30E		589	NORTH	2,440	WEST	EDDY

[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
N	25	24S	30E		50	SOUTH	2,550	WEST	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.



LEGEND

- SECTION LINE
- PROPOSED WELL BORE
- NEW MEXICO MINERAL LEASE
- 330' BUFFER
- ALLOCATION AREA

LINE TABLE		
LINE	AZUMITH	LENGTH
L1	012°34'32"	501.09'
L2	179°46'04"	10,411.06'

COORDINATE TABLE

	SHL (NAD 83 NME)	SHL (NAD 27 NME)
Y =	440,129.2 N	440,070.2 N
X =	695,438.2 E	654,254.3 E
LAT. =	32.209010 °N	32.208886 °N
LONG. =	103.835084 °W	103.834599 °W

	FTP (NAD 83 NME)	FTP (NAD 27 NME)
Y =	440,618.3 N	440,559.3 N
X =	695,547.3 E	654,363.4 E
LAT. =	32.210353 °N	32.210229 °N
LONG. =	103.834724 °W	103.834239 °W

	PPP (NAD 83 NME)	PPP (NAD 27 NME)
Y =	435,438.3 N	435,379.4 N
X =	695,568.2 E	654,384.2 E
LAT. =	32.196114 °N	32.195990 °N
LONG. =	103.834734 °W	103.834250 °W

	LTP (NAD 83 NME)	LTP (NAD 27 NME)
Y =	430,257.3 N	430,198.6 N
X =	695,589.1 E	654,404.9 E
LAT. =	32.181872 °N	32.181748 °N
LONG. =	103.834744 °W	103.834260 °W

	BHL (NAD 83 NME)	BHL (NAD 27 NME)
Y =	430,207.3 N	430,148.6 N
X =	695,589.5 E	654,405.3 E
LAT. =	32.181735 °N	32.181611 °N
LONG. =	103.834744 °W	103.834260 °W

CORNER COORDINATES (NAD 83 NME)

A - Y =	440,718.6 N	A - X =	695,668.2 E
B - Y =	438,079.8 N	B - X =	695,677.6 E
C - Y =	435,438.2 N	C - X =	695,687.0 E
D - Y =	432,798.6 N	D - X =	695,700.7 E
E - Y =	430,157.5 N	E - X =	695,714.4 E
F - Y =	440,715.0 N	F - X =	694,332.7 E
G - Y =	438,075.1 N	G - X =	694,339.5 E
H - Y =	435,438.8 N	H - X =	694,344.6 E
I - Y =	432,796.2 N	I - X =	694,360.8 E
J - Y =	430,155.7 N	J - X =	694,377.1 E

CORNER COORDINATES (NAD 27 NME)

A - Y =	440,659.6 N	A - X =	654,484.4 E
B - Y =	438,020.8 N	B - X =	654,493.7 E
C - Y =	435,379.4 N	C - X =	654,503.0 E
D - Y =	432,739.8 N	D - X =	654,516.6 E
E - Y =	430,098.8 N	E - X =	654,530.2 E
F - Y =	440,656.0 N	F - X =	653,148.9 E
G - Y =	438,016.2 N	G - X =	653,155.6 E
H - Y =	435,379.9 N	H - X =	653,160.6 E
I - Y =	432,737.4 N	I - X =	653,176.7 E
J - Y =	430,097.0 N	J - X =	653,192.9 E

[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.

Signature 10/10/2023 Date

Jean A. Cooper
Printed Name

jean.cooper@exxxonmobil.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.

09-27-2023
Date of Survey

Signature and Seal of Professional Surveyor:

MARK DILLON HARP NEW MEXICO 23786 PROFESSIONAL SURVEYOR

MARK DILLON HARP 23786
Certificate Number

KC 618.013003.10-04

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

XTO Energy Inc.
Poker Lake Unit 13 DTD 216H
Projected TD: 21626.24' MD / 10648.15' TVD
SHL: 589' FNL & 2440' FWL , Section 24, T24S, R30E
BHL: 50' FSL & 2550' FWL , Section 25, T24S, R30E
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	512'	Water
Top of Salt	952'	Water
Base of Salt	3968'	Water
Delaware	4172'	Water
Brushy Canyon	6336'	Water/Oil/Gas
Bone Spring	8045'	Water
1st Bone Spring	8980'	Water/Oil/Gas
2nd Bone Spring	9805'	Water/Oil/Gas
3rd Bone Spring	10488'	Water/Oil/Gas
Wolfcamp	11590'	Water/Oil/Gas
Wolfcamp X	11616'	Water/Oil/Gas
Wolfcamp Y	11694'	Water/Oil/Gas
Wolfcamp A	11751'	Water/Oil/Gas
Wolfcamp B	12192'	Water/Oil/Gas
Wolfcamp D	12530'	Water/Oil/Gas
Wolfcamp E	12585'	Water/Oil/Gas
Target/Land Curve	10648'	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 @ 612' (340' 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 9888.67' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 21626.24 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 9588.67 feet).

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0' – 612'	9.625	40	J-55	BTC	New	1.29	10.29	25.74
8.75	0' – 4000'	7.625	29.7	RY P-110	Flush Joint	New	2.52	2.52	1.90
8.75	4000' – 9888.67'	7.625	29.7	HC L-80	Flush Joint	New	1.84	1.86	2.32
6.75	0' – 9788.67'	5.5	20	RY P-110	Semi-Premium	New	1.26	1.98	2.16
6.75	9788.67' - 21626.24'	5.5	20	RY P-110	Semi-Flush	New	1.26	1.82	2.16

· 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 +/- 612'

Lead: 100 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 +/- 9888.67'
1st Stage
Optional Lead: 340 sxs Class C (mixed at 10.5 ppg, 2.77 ft3/sx, 15.59 gal/sx water)
TOC: Surface
Tail: 330 sxs Class C (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)
TOC: Brushy Canyon @ 6336
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: 710 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 (6336') 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 +/- 21626.24'

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft3/sx, 15.00 gal/sx water) Top of Cement: 9588.67 feet
Tail: 820 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft3/sx, 8.38 gal/sx water) Top of Cement: 10088.67 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 3748 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' - 612'	12.25	FW/Native	8.4-8.9	35-40	NC
612' - 9888.67'	8.75	FW / Cut Brine / Direct Emulsion	10.2-10.7	30-32	NC
9888.67' - 21626.24'	6.75	OBM	11-11.5	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 170 to 190 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 6091 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 13 DTD 216H

Measured Depth:	21626.24 ft	**Site:**	B
TVD RKB:	10648.15 ft	**Slot:**	POKER LAKE UNIT 13 DTD 216H
Location			
Cartographic Reference System:	New Mexico East - NAD 27		
Northing:	440070.20 ft		
Easting:	654254.30 ft		
RKB:	3496.00 ft		
Ground Level:	3464.00 ft		
North Reference:	Grid		
Convergence Angle:	0.27 Deg		

Plan Sections POKER LAKE UNIT 13 DTD 216H

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	0.00	0.00	0.00	0.00	0.00	0.00	
1200.00	0.00	0.00	1200.00	0.00	0.00	0.00	0.00	0.00	
1983.85	15.68	5.04	1974.11	106.16	9.36	2.00	0.00	2.00	
5672.87	15.68	5.04	5525.89	1099.13	96.87	0.00	0.00	0.00	
6456.72	0.00	0.00	6300.00	1205.29	106.23	-2.00	0.00	2.00	
10088.67	0.00	0.00	9931.95	1205.29	106.23	0.00	0.00	0.00	
11213.67	90.00	179.77	10648.15	489.10	109.10	8.00	0.00	8.00	FTP 4
21574.45	90.00	179.77	10648.15	-9871.60	150.60	0.00	0.00	0.00	LTP 4
21626.24	90.00	179.77	10648.15	-9923.38	150.81	0.00	0.00	0.00	BHL 4

Position Uncertainty POKER LAKE UNIT 13 DTD 216H

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	2.326	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	2.375	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	2.445	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	2.487	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	2.533	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	2.583	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	2.637	0.000	0.000	4.752	3.849	128.859	MWD+IFR1+MS
1200.000	0.000	0.000	1200.000	4.779	0.000	4.589	0.000	2.694	0.000	0.000	5.119	4.207	128.954	MWD+IFR1+MS
1300.000	2.000	5.037	1299.980	5.382	0.000	4.874	0.000	2.754	0.000	0.000	5.641	4.574	125.686	MWD+IFR1+MS
1400.000	4.000	5.037	1399.838	6.146	0.000	5.238	0.000	2.817	0.000	0.000	6.384	4.958	119.905	MWD+IFR1+MS
1500.000	6.000	5.037	1499.452	6.836	0.000	5.601	0.000	2.885	0.000	0.000	7.076	5.321	117.027	MWD+IFR1+MS
1600.000	8.000	5.037	1598.702	7.472	0.000	5.962	0.000	2.960	0.000	0.000	7.725	5.677	115.346	MWD+IFR1+MS
1700.000	10.000	5.037	1697.465	8.064	0.000	6.322	0.000	3.045	0.000	0.000	8.338	6.031	114.259	MWD+IFR1+MS
1800.000	12.000	5.037	1795.623	8.621	0.000	6.681	0.000	3.141	0.000	0.000	8.920	6.383	113.510	MWD+IFR1+MS
1900.000	14.000	5.037	1893.055	9.148	0.000	7.042	0.000	3.250	0.000	0.000	9.477	6.736	112.974	MWD+IFR1+MS
1983.851	15.677	5.037	1974.107	9.501	0.000	7.339	0.000	3.339	0.000	0.000	9.861	7.033	112.706	MWD+IFR1+MS
2000.000	15.677	5.037	1989.655	9.546	0.000	7.393	0.000	3.347	0.000	0.000	9.905	7.090	112.685	MWD+IFR1+MS
2100.000	15.677	5.037	2085.935	9.827	0.000	7.743	0.000	3.435	0.000	0.000	10.174	7.449	112.767	MWD+IFR1+MS
2200.000	15.677	5.037	2182.215	10.129	0.000	8.111	0.000	3.530	0.000	0.000	10.468	7.819	113.075	MWD+IFR1+MS
2300.000	15.677	5.037	2278.495	10.438	0.000	8.481	0.000	3.628	0.000	0.000	10.769	8.190	113.378	MWD+IFR1+MS
2400.000	15.677	5.037	2374.775	10.753	0.000	8.853	0.000	3.731	0.000	0.000	11.075	8.563	113.676	MWD+IFR1+MS
2500.000	15.677	5.037	2471.055	11.074	0.000	9.226	0.000	3.836	0.000	0.000	11.387	8.938	113.967	MWD+IFR1+MS
2600.000	15.677	5.037	2567.335	11.401	0.000	9.601	0.000	3.944	0.000	0.000	11.704	9.313	114.253	MWD+IFR1+MS
2700.000	15.677	5.037	2663.615	11.733	0.000	9.977	0.000	4.055	0.000	0.000	12.025	9.690	114.534	MWD+IFR1+MS
2800.000	15.677	5.037	2759.895	12.069	0.000	10.355	0.000	4.169	0.000	0.000	12.350	10.068	114.809	MWD+IFR1+MS
2900.000	15.677	5.037	2856.175	12.410	0.000	10.733	0.000	4.285	0.000	0.000	12.680	10.447	115.079	MWD+IFR1+MS

3000.000	15.677	5.037	2952.455	12.754	0.000	11.113	0.000	4.404	0.000	0.000	13.013	10.827	115.343	MWD+IFR1+MS
3100.000	15.677	5.037	3048.735	13.102	0.000	11.493	0.000	4.525	0.000	0.000	13.349	11.207	115.602	MWD+IFR1+MS
3200.000	15.677	5.037	3145.016	13.453	0.000	11.874	0.000	4.648	0.000	0.000	13.689	11.588	115.856	MWD+IFR1+MS
3300.000	15.677	5.037	3241.296	13.807	0.000	12.256	0.000	4.773	0.000	0.000	14.031	11.970	116.105	MWD+IFR1+MS
3400.000	15.677	5.037	3337.576	14.164	0.000	12.638	0.000	4.900	0.000	0.000	14.376	12.352	116.349	MWD+IFR1+MS
3500.000	15.677	5.037	3433.856	14.524	0.000	13.021	0.000	5.029	0.000	0.000	14.723	12.735	116.588	MWD+IFR1+MS
3600.000	15.677	5.037	3530.136	14.886	0.000	13.404	0.000	5.159	0.000	0.000	15.073	13.118	116.822	MWD+IFR1+MS
3700.000	15.677	5.037	3626.416	15.250	0.000	13.788	0.000	5.292	0.000	0.000	15.425	13.502	117.051	MWD+IFR1+MS
3800.000	15.677	5.037	3722.696	15.617	0.000	14.173	0.000	5.426	0.000	0.000	15.778	13.886	117.275	MWD+IFR1+MS
3900.000	15.677	5.037	3818.976	15.985	0.000	14.557	0.000	5.562	0.000	0.000	16.134	14.270	117.495	MWD+IFR1+MS
4000.000	15.677	5.037	3915.256	16.355	0.000	14.942	0.000	5.699	0.000	0.000	16.492	14.655	117.709	MWD+IFR1+MS
4100.000	15.677	5.037	4011.536	16.727	0.000	15.328	0.000	5.838	0.000	0.000	16.851	15.040	117.920	MWD+IFR1+MS
4200.000	15.677	5.037	4107.816	17.101	0.000	15.714	0.000	5.979	0.000	0.000	17.211	15.426	118.125	MWD+IFR1+MS
4300.000	15.677	5.037	4204.096	17.475	0.000	16.100	0.000	6.121	0.000	0.000	17.573	15.811	118.326	MWD+IFR1+MS
4400.000	15.677	5.037	4300.376	17.852	0.000	16.486	0.000	6.264	0.000	0.000	17.937	16.197	118.523	MWD+IFR1+MS
4500.000	15.677	5.037	4396.656	18.229	0.000	16.872	0.000	6.410	0.000	0.000	18.301	16.584	118.716	MWD+IFR1+MS
4600.000	15.677	5.037	4492.936	18.608	0.000	17.259	0.000	6.557	0.000	0.000	18.667	16.970	118.904	MWD+IFR1+MS
4700.000	15.677	5.037	4589.216	18.988	0.000	17.646	0.000	6.705	0.000	0.000	19.034	17.357	119.087	MWD+IFR1+MS
4800.000	15.677	5.037	4685.496	19.369	0.000	18.034	0.000	6.855	0.000	0.000	19.402	17.743	119.267	MWD+IFR1+MS
4900.000	15.677	5.037	4781.776	19.751	0.000	18.421	0.000	7.006	0.000	0.000	19.771	18.130	119.442	MWD+IFR1+MS
5000.000	15.677	5.037	4878.056	20.134	0.000	18.809	0.000	7.159	0.000	0.000	20.141	18.518	119.613	MWD+IFR1+MS
5100.000	15.677	5.037	4974.336	20.518	0.000	19.196	0.000	7.314	0.000	0.000	20.512	18.905	119.780	MWD+IFR1+MS
5200.000	15.677	5.037	5070.616	20.903	0.000	19.584	0.000	7.470	0.000	0.000	20.884	19.293	119.943	MWD+IFR1+MS
5300.000	15.677	5.037	5166.896	21.288	0.000	19.972	0.000	7.628	0.000	0.000	21.256	19.680	120.102	MWD+IFR1+MS
5400.000	15.677	5.037	5263.176	21.675	0.000	20.361	0.000	7.787	0.000	0.000	21.630	20.068	120.256	MWD+IFR1+MS
5500.000	15.677	5.037	5359.456	22.062	0.000	20.749	0.000	7.948	0.000	0.000	22.004	20.456	120.407	MWD+IFR1+MS
5600.000	15.677	5.037	5455.736	22.450	0.000	21.137	0.000	8.110	0.000	0.000	22.379	20.844	120.554	MWD+IFR1+MS
5672.868	15.677	5.037	5525.893	22.730	0.000	21.418	0.000	8.229	0.000	0.000	22.648	21.126	120.592	MWD+IFR1+MS
5700.000	15.134	5.037	5552.050	22.847	0.000	21.521	0.000	8.274	0.000	0.000	22.746	21.231	120.581	MWD+IFR1+MS
5800.000	13.134	5.037	5649.018	23.302	0.000	21.900	0.000	8.443	0.000	0.000	23.151	21.614	120.192	MWD+IFR1+MS
5900.000	11.134	5.037	5746.779	23.791	0.000	22.278	0.000	8.613	0.000	0.000	23.619	21.994	119.374	MWD+IFR1+MS
6000.000	9.134	5.037	5845.214	24.241	0.000	22.649	0.000	8.773	0.000	0.000	24.080	22.366	118.642	MWD+IFR1+MS
6100.000	7.134	5.037	5944.202	24.653	0.000	23.014	0.000	8.923	0.000	0.000	24.532	22.730	117.991	MWD+IFR1+MS

6200.000	5.134	5.037	6043.625	25.026	0.000	23.370	0.000	9.065	0.000	0.000	24.976	23.087	117.415	MWD+IFR1+MS
6300.000	3.134	5.037	6143.359	25.360	0.000	23.720	0.000	9.200	0.000	0.000	25.411	23.436	116.910	MWD+IFR1+MS
6400.000	1.134	5.037	6243.285	25.655	0.000	24.061	0.000	9.329	0.000	0.000	25.835	23.776	116.471	MWD+IFR1+MS
6456.719	0.000	0.000	6300.000	25.636	0.000	24.386	0.000	9.400	0.000	0.000	26.030	23.964	116.368	MWD+IFR1+MS
6500.000	0.000	0.000	6343.281	25.771	0.000	24.526	0.000	9.454	0.000	0.000	26.164	24.107	116.356	MWD+IFR1+MS
6600.000	0.000	0.000	6443.281	26.084	0.000	24.854	0.000	9.581	0.000	0.000	26.474	24.438	116.408	MWD+IFR1+MS
6700.000	0.000	0.000	6543.281	26.402	0.000	25.187	0.000	9.710	0.000	0.000	26.792	24.771	116.517	MWD+IFR1+MS
6800.000	0.000	0.000	6643.281	26.720	0.000	25.520	0.000	9.842	0.000	0.000	27.111	25.104	116.625	MWD+IFR1+MS
6900.000	0.000	0.000	6743.281	27.040	0.000	25.854	0.000	9.977	0.000	0.000	27.431	25.438	116.733	MWD+IFR1+MS
7000.000	0.000	0.000	6843.281	27.360	0.000	26.189	0.000	10.114	0.000	0.000	27.752	25.773	116.839	MWD+IFR1+MS
7100.000	0.000	0.000	6943.281	27.681	0.000	26.524	0.000	10.255	0.000	0.000	28.073	26.108	116.944	MWD+IFR1+MS
7200.000	0.000	0.000	7043.281	28.004	0.000	26.860	0.000	10.398	0.000	0.000	28.396	26.444	117.048	MWD+IFR1+MS
7300.000	0.000	0.000	7143.281	28.327	0.000	27.196	0.000	10.544	0.000	0.000	28.720	26.781	117.150	MWD+IFR1+MS
7400.000	0.000	0.000	7243.281	28.651	0.000	27.533	0.000	10.694	0.000	0.000	29.044	27.118	117.252	MWD+IFR1+MS
7500.000	0.000	0.000	7343.281	28.976	0.000	27.870	0.000	10.846	0.000	0.000	29.369	27.455	117.353	MWD+IFR1+MS
7600.000	0.000	0.000	7443.281	29.301	0.000	28.208	0.000	11.001	0.000	0.000	29.695	27.793	117.452	MWD+IFR1+MS
7700.000	0.000	0.000	7543.281	29.627	0.000	28.547	0.000	11.159	0.000	0.000	30.022	28.132	117.551	MWD+IFR1+MS
7800.000	0.000	0.000	7643.281	29.955	0.000	28.886	0.000	11.320	0.000	0.000	30.349	28.471	117.648	MWD+IFR1+MS
7900.000	0.000	0.000	7743.281	30.282	0.000	29.225	0.000	11.484	0.000	0.000	30.677	28.810	117.745	MWD+IFR1+MS
8000.000	0.000	0.000	7843.281	30.611	0.000	29.565	0.000	11.651	0.000	0.000	31.006	29.150	117.840	MWD+IFR1+MS
8100.000	0.000	0.000	7943.281	30.940	0.000	29.905	0.000	11.821	0.000	0.000	31.335	29.491	117.935	MWD+IFR1+MS
8200.000	0.000	0.000	8043.281	31.270	0.000	30.246	0.000	11.994	0.000	0.000	31.665	29.831	118.028	MWD+IFR1+MS
8300.000	0.000	0.000	8143.281	31.600	0.000	30.587	0.000	12.170	0.000	0.000	31.996	30.173	118.121	MWD+IFR1+MS
8400.000	0.000	0.000	8243.281	31.931	0.000	30.929	0.000	12.349	0.000	0.000	32.327	30.514	118.212	MWD+IFR1+MS
8500.000	0.000	0.000	8343.281	32.263	0.000	31.271	0.000	12.532	0.000	0.000	32.659	30.856	118.303	MWD+IFR1+MS
8600.000	0.000	0.000	8443.281	32.595	0.000	31.613	0.000	12.717	0.000	0.000	32.992	31.198	118.393	MWD+IFR1+MS
8700.000	0.000	0.000	8543.281	32.928	0.000	31.955	0.000	12.906	0.000	0.000	33.325	31.541	118.482	MWD+IFR1+MS
8800.000	0.000	0.000	8643.281	33.261	0.000	32.298	0.000	13.097	0.000	0.000	33.658	31.884	118.570	MWD+IFR1+MS
8900.000	0.000	0.000	8743.281	33.595	0.000	32.642	0.000	13.292	0.000	0.000	33.992	32.227	118.657	MWD+IFR1+MS
9000.000	0.000	0.000	8843.281	33.929	0.000	32.985	0.000	13.490	0.000	0.000	34.327	32.571	118.743	MWD+IFR1+MS
9100.000	0.000	0.000	8943.281	34.264	0.000	33.329	0.000	13.691	0.000	0.000	34.662	32.915	118.828	MWD+IFR1+MS
9200.000	0.000	0.000	9043.281	34.599	0.000	33.673	0.000	13.896	0.000	0.000	34.997	33.259	118.913	MWD+IFR1+MS
9300.000	0.000	0.000	9143.281	34.935	0.000	34.018	0.000	14.103	0.000	0.000	35.333	33.604	118.996	MWD+IFR1+MS

9400.000	0.000	0.000	9243.281	35.271	0.000	34.363	0.000	14.314	0.000	0.000	35.670	33.948	119.079	MWD+IFR1+MS
9500.000	0.000	0.000	9343.281	35.607	0.000	34.708	0.000	14.528	0.000	0.000	36.006	34.294	119.161	MWD+IFR1+MS
9600.000	0.000	0.000	9443.281	35.944	0.000	35.053	0.000	14.745	0.000	0.000	36.344	34.639	119.242	MWD+IFR1+MS
9700.000	0.000	0.000	9543.281	36.282	0.000	35.399	0.000	14.965	0.000	0.000	36.681	34.985	119.323	MWD+IFR1+MS
9800.000	0.000	0.000	9643.281	36.619	0.000	35.745	0.000	15.188	0.000	0.000	37.019	35.330	119.403	MWD+IFR1+MS
9900.000	0.000	0.000	9743.281	36.958	0.000	36.091	0.000	15.415	0.000	0.000	37.358	35.676	119.481	MWD+IFR1+MS
10000.000	0.000	0.000	9843.281	37.296	0.000	36.437	0.000	15.645	0.000	0.000	37.697	36.023	119.559	MWD+IFR1+MS
10088.671	0.000	0.000	9931.953	37.596	0.000	36.744	0.000	15.851	0.000	0.000	37.996	36.330	119.612	MWD+IFR1+MS
10100.000	0.906	179.771	9943.281	37.555	0.000	36.786	-0.000	15.878	0.000	0.000	38.031	36.367	119.617	MWD+IFR1+MS
10200.000	8.906	179.771	10042.833	37.236	0.000	37.088	-0.000	16.121	0.000	0.000	38.598	36.728	115.504	MWD+IFR1+MS
10300.000	16.906	179.771	10140.228	37.126	0.000	37.369	-0.000	16.466	0.000	0.000	39.797	37.107	107.657	MWD+IFR1+MS
10400.000	24.906	179.771	10233.569	36.478	0.000	37.621	-0.000	16.990	0.000	0.000	40.895	37.398	104.096	MWD+IFR1+MS
10500.000	32.906	179.771	10321.039	35.377	0.000	37.844	-0.000	17.751	0.000	0.000	41.834	37.637	102.266	MWD+IFR1+MS
10600.000	40.906	179.771	10400.936	33.936	0.000	38.035	-0.000	18.771	0.000	0.000	42.596	37.834	101.282	MWD+IFR1+MS
10700.000	48.906	179.771	10471.704	32.304	0.000	38.193	-0.000	20.040	0.000	0.000	43.177	37.992	100.777	MWD+IFR1+MS
10800.000	56.906	179.771	10531.967	30.667	0.000	38.320	-0.000	21.519	0.000	0.000	43.586	38.114	100.573	MWD+IFR1+MS
10900.000	64.906	179.771	10580.552	29.249	0.000	38.414	-0.000	23.156	0.000	0.000	43.844	38.202	100.564	MWD+IFR1+MS
11000.000	72.906	179.771	10616.512	28.287	0.000	38.477	-0.000	24.889	0.000	0.000	43.980	38.258	100.670	MWD+IFR1+MS
11100.000	80.906	179.771	10639.148	27.995	0.000	38.509	-0.000	26.656	0.000	0.000	44.030	38.283	100.813	MWD+IFR1+MS
11200.000	88.906	179.771	10648.020	28.499	0.000	38.510	-0.000	28.398	0.000	0.000	44.038	38.280	100.905	MWD+IFR1+MS
11213.671	90.000	179.771	10648.150	28.433	0.000	38.507	-0.000	28.433	0.000	0.000	44.038	38.276	100.905	MWD+IFR1+MS
11300.000	90.000	179.771	10648.150	28.614	0.000	38.493	-0.000	28.614	0.000	0.000	44.040	38.261	100.921	MWD+IFR1+MS
11400.000	90.000	179.771	10648.150	28.835	0.000	38.495	-0.000	28.835	0.000	0.000	44.043	38.261	100.971	MWD+IFR1+MS
11500.000	90.000	179.771	10648.150	29.077	0.000	38.513	-0.000	29.077	0.000	0.000	44.047	38.276	101.047	MWD+IFR1+MS
11600.000	90.000	179.771	10648.150	29.338	0.000	38.546	-0.000	29.338	0.000	0.000	44.051	38.306	101.150	MWD+IFR1+MS
11700.000	90.000	179.771	10648.150	29.617	0.000	38.594	-0.000	29.617	0.000	0.000	44.057	38.350	101.280	MWD+IFR1+MS
11800.000	90.000	179.771	10648.150	29.914	0.000	38.657	-0.000	29.914	0.000	0.000	44.065	38.409	101.439	MWD+IFR1+MS
11900.000	90.000	179.771	10648.150	30.229	0.000	38.735	-0.000	30.229	0.000	0.000	44.073	38.483	101.629	MWD+IFR1+MS
12000.000	90.000	179.771	10648.150	30.560	0.000	38.829	-0.000	30.560	0.000	0.000	44.082	38.571	101.852	MWD+IFR1+MS
12100.000	90.000	179.771	10648.150	30.908	0.000	38.937	-0.000	30.908	0.000	0.000	44.093	38.673	102.110	MWD+IFR1+MS
12200.000	90.000	179.771	10648.150	31.272	0.000	39.059	-0.000	31.272	0.000	0.000	44.105	38.788	102.408	MWD+IFR1+MS
12300.000	90.000	179.771	10648.150	31.651	0.000	39.197	-0.000	31.651	0.000	0.000	44.119	38.918	102.749	MWD+IFR1+MS
12400.000	90.000	179.771	10648.150	32.045	0.000	39.348	-0.000	32.045	0.000	0.000	44.134	39.061	103.138	MWD+IFR1+MS

12500.000	90.000	179.771	10648.150	32.453	0.000	39.514	-0.000	32.453	0.000	0.000	44.151	39.216	103.582	MWD+IFR1+MS
12600.000	90.000	179.771	10648.150	32.875	0.000	39.694	-0.000	32.875	0.000	0.000	44.170	39.385	104.088	MWD+IFR1+MS
12700.000	90.000	179.771	10648.150	33.309	0.000	39.888	-0.000	33.309	0.000	0.000	44.191	39.566	104.666	MWD+IFR1+MS
12800.000	90.000	179.771	10648.150	33.757	0.000	40.096	-0.000	33.757	0.000	0.000	44.215	39.759	105.325	MWD+IFR1+MS
12900.000	90.000	179.771	10648.150	34.217	0.000	40.317	-0.000	34.217	0.000	0.000	44.241	39.963	106.080	MWD+IFR1+MS
13000.000	90.000	179.771	10648.150	34.688	0.000	40.551	-0.000	34.688	0.000	0.000	44.270	40.178	106.949	MWD+IFR1+MS
13100.000	90.000	179.771	10648.150	35.170	0.000	40.798	-0.000	35.170	0.000	0.000	44.303	40.402	107.950	MWD+IFR1+MS
13200.000	90.000	179.771	10648.150	35.664	0.000	41.059	-0.000	35.664	0.000	0.000	44.341	40.636	109.110	MWD+IFR1+MS
13300.000	90.000	179.771	10648.150	36.167	0.000	41.331	-0.000	36.167	0.000	0.000	44.383	40.877	110.459	MWD+IFR1+MS
13400.000	90.000	179.771	10648.150	36.681	0.000	41.616	-0.000	36.681	0.000	0.000	44.433	41.125	112.036	MWD+IFR1+MS
13500.000	90.000	179.771	10648.150	37.203	0.000	41.913	-0.000	37.203	0.000	0.000	44.490	41.377	113.884	MWD+IFR1+MS
13600.000	90.000	179.771	10648.150	37.735	0.000	42.222	-0.000	37.735	0.000	0.000	44.557	41.632	116.055	MWD+IFR1+MS
13700.000	90.000	179.771	10648.150	38.276	0.000	42.542	-0.000	38.276	0.000	0.000	44.637	41.887	118.602	MWD+IFR1+MS
13800.000	90.000	179.771	10648.150	38.825	0.000	42.874	-0.000	38.825	0.000	0.000	44.732	42.137	121.572	MWD+IFR1+MS
13900.000	90.000	179.771	10648.150	39.382	0.000	43.216	-0.000	39.382	0.000	0.000	44.847	42.380	124.993	MWD+IFR1+MS
14000.000	90.000	179.771	10648.150	39.947	0.000	43.569	-0.000	39.947	0.000	0.000	44.985	42.610	128.849	MWD+IFR1+MS
14100.000	90.000	179.771	10648.150	40.519	0.000	43.933	-0.000	40.519	0.000	0.000	45.152	42.823	133.055	MWD+IFR1+MS
14200.000	90.000	179.771	10648.150	41.098	0.000	44.307	-0.000	41.098	0.000	0.000	45.350	43.016	-42.544	MWD+IFR1+MS
14300.000	90.000	179.771	10648.150	41.683	0.000	44.691	-0.000	41.683	0.000	0.000	45.581	43.186	-38.154	MWD+IFR1+MS
14400.000	90.000	179.771	10648.150	42.276	0.000	45.085	-0.000	42.276	0.000	0.000	45.846	43.333	-33.975	MWD+IFR1+MS
14500.000	90.000	179.771	10648.150	42.874	0.000	45.488	-0.000	42.874	0.000	0.000	46.141	43.458	-30.157	MWD+IFR1+MS
14600.000	90.000	179.771	10648.150	43.478	0.000	45.901	-0.000	43.478	0.000	0.000	46.465	43.566	-26.776	MWD+IFR1+MS
14700.000	90.000	179.771	10648.150	44.088	0.000	46.322	-0.000	44.088	0.000	0.000	46.814	43.658	-23.840	MWD+IFR1+MS
14800.000	90.000	179.771	10648.150	44.704	0.000	46.752	-0.000	44.704	0.000	0.000	47.184	43.737	-21.320	MWD+IFR1+MS
14900.000	90.000	179.771	10648.150	45.324	0.000	47.191	-0.000	45.324	0.000	0.000	47.573	43.807	-19.168	MWD+IFR1+MS
15000.000	90.000	179.771	10648.150	45.950	0.000	47.638	-0.000	45.950	0.000	0.000	47.979	43.869	-17.329	MWD+IFR1+MS
15100.000	90.000	179.771	10648.150	46.581	0.000	48.093	-0.000	46.581	0.000	0.000	48.399	43.926	-15.753	MWD+IFR1+MS
15200.000	90.000	179.771	10648.150	47.216	0.000	48.555	-0.000	47.216	0.000	0.000	48.833	43.977	-14.396	MWD+IFR1+MS
15300.000	90.000	179.771	10648.150	47.855	0.000	49.026	-0.000	47.855	0.000	0.000	49.278	44.025	-13.222	MWD+IFR1+MS
15400.000	90.000	179.771	10648.150	48.499	0.000	49.503	-0.000	48.499	0.000	0.000	49.734	44.070	-12.199	MWD+IFR1+MS
15500.000	90.000	179.771	10648.150	49.147	0.000	49.988	-0.000	49.147	0.000	0.000	50.200	44.112	-11.303	MWD+IFR1+MS
15600.000	90.000	179.771	10648.150	49.799	0.000	50.480	-0.000	49.799	0.000	0.000	50.675	44.153	-10.514	MWD+IFR1+MS
15700.000	90.000	179.771	10648.150	50.455	0.000	50.979	-0.000	50.455	0.000	0.000	51.159	44.192	-9.815	MWD+IFR1+MS

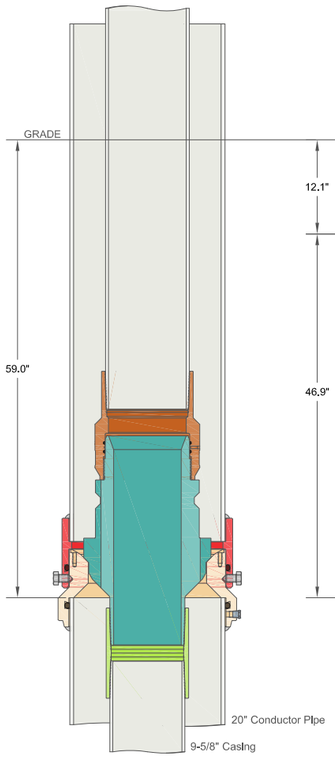
15800.000	90.000	179.771	10648.150	51.114	0.000	51.484	-0.000	51.114	0.000	0.000	51.651	44.231	-9.193	MWD+IFR1+MS
15900.000	90.000	179.771	10648.150	51.777	0.000	51.995	-0.000	51.777	0.000	0.000	52.151	44.268	-8.636	MWD+IFR1+MS
16000.000	90.000	179.771	10648.150	52.443	0.000	52.513	-0.000	52.443	0.000	0.000	52.658	44.305	-8.136	MWD+IFR1+MS
16100.000	90.000	179.771	10648.150	53.112	0.000	53.036	-0.000	53.112	0.000	0.000	53.173	44.341	-7.684	MWD+IFR1+MS
16200.000	90.000	179.771	10648.150	53.785	0.000	53.566	-0.000	53.785	0.000	0.000	53.694	44.377	-7.274	MWD+IFR1+MS
16300.000	90.000	179.771	10648.150	54.460	0.000	54.101	-0.000	54.460	0.000	0.000	54.221	44.412	-6.901	MWD+IFR1+MS
16400.000	90.000	179.771	10648.150	55.139	0.000	54.641	-0.000	55.139	0.000	0.000	54.755	44.447	-6.561	MWD+IFR1+MS
16500.000	90.000	179.771	10648.150	55.820	0.000	55.187	-0.000	55.820	0.000	0.000	55.295	44.483	-6.249	MWD+IFR1+MS
16600.000	90.000	179.771	10648.150	56.504	0.000	55.738	-0.000	56.504	0.000	0.000	55.840	44.518	-5.962	MWD+IFR1+MS
16700.000	90.000	179.771	10648.150	57.190	0.000	56.294	-0.000	57.190	0.000	0.000	56.391	44.554	-5.698	MWD+IFR1+MS
16800.000	90.000	179.771	10648.150	57.879	0.000	56.855	-0.000	57.879	0.000	0.000	56.947	44.589	-5.454	MWD+IFR1+MS
16900.000	90.000	179.771	10648.150	58.571	0.000	57.421	-0.000	58.571	0.000	0.000	57.508	44.625	-5.228	MWD+IFR1+MS
17000.000	90.000	179.771	10648.150	59.264	0.000	57.991	-0.000	59.264	0.000	0.000	58.074	44.660	-5.018	MWD+IFR1+MS
17100.000	90.000	179.771	10648.150	59.960	0.000	58.566	-0.000	59.960	0.000	0.000	58.645	44.697	-4.823	MWD+IFR1+MS
17200.000	90.000	179.771	10648.150	60.659	0.000	59.145	-0.000	60.659	0.000	0.000	59.220	44.733	-4.641	MWD+IFR1+MS
17300.000	90.000	179.771	10648.150	61.359	0.000	59.728	-0.000	61.359	0.000	0.000	59.800	44.769	-4.471	MWD+IFR1+MS
17400.000	90.000	179.771	10648.150	62.061	0.000	60.315	-0.000	62.061	0.000	0.000	60.384	44.806	-4.312	MWD+IFR1+MS
17500.000	90.000	179.771	10648.150	62.765	0.000	60.907	-0.000	62.765	0.000	0.000	60.972	44.843	-4.162	MWD+IFR1+MS
17600.000	90.000	179.771	10648.150	63.471	0.000	61.502	-0.000	63.471	0.000	0.000	61.565	44.881	-4.022	MWD+IFR1+MS
17700.000	90.000	179.771	10648.150	64.179	0.000	62.100	-0.000	64.179	0.000	0.000	62.161	44.919	-3.890	MWD+IFR1+MS
17800.000	90.000	179.771	10648.150	64.889	0.000	62.703	-0.000	64.889	0.000	0.000	62.761	44.957	-3.766	MWD+IFR1+MS
17900.000	90.000	179.771	10648.150	65.600	0.000	63.309	-0.000	65.600	0.000	0.000	63.365	44.996	-3.648	MWD+IFR1+MS
18000.000	90.000	179.771	10648.150	66.313	0.000	63.918	-0.000	66.313	0.000	0.000	63.972	45.035	-3.538	MWD+IFR1+MS
18100.000	90.000	179.771	10648.150	67.028	0.000	64.531	-0.000	67.028	0.000	0.000	64.583	45.074	-3.433	MWD+IFR1+MS
18200.000	90.000	179.771	10648.150	67.744	0.000	65.147	-0.000	67.744	0.000	0.000	65.197	45.114	-3.333	MWD+IFR1+MS
18300.000	90.000	179.771	10648.150	68.462	0.000	65.766	-0.000	68.462	0.000	0.000	65.814	45.154	-3.239	MWD+IFR1+MS
18400.000	90.000	179.771	10648.150	69.181	0.000	66.388	-0.000	69.181	0.000	0.000	66.434	45.194	-3.150	MWD+IFR1+MS
18500.000	90.000	179.771	10648.150	69.902	0.000	67.013	-0.000	69.902	0.000	0.000	67.058	45.235	-3.065	MWD+IFR1+MS
18600.000	90.000	179.771	10648.150	70.624	0.000	67.641	-0.000	70.624	0.000	0.000	67.684	45.277	-2.984	MWD+IFR1+MS
18700.000	90.000	179.771	10648.150	71.347	0.000	68.272	-0.000	71.347	0.000	0.000	68.314	45.319	-2.907	MWD+IFR1+MS
18800.000	90.000	179.771	10648.150	72.072	0.000	68.905	-0.000	72.072	0.000	0.000	68.946	45.361	-2.833	MWD+IFR1+MS
18900.000	90.000	179.771	10648.150	72.797	0.000	69.541	-0.000	72.797	0.000	0.000	69.581	45.404	-2.763	MWD+IFR1+MS
19000.000	90.000	179.771	10648.150	73.525	0.000	70.180	-0.000	73.525	0.000	0.000	70.218	45.447	-2.696	MWD+IFR1+MS

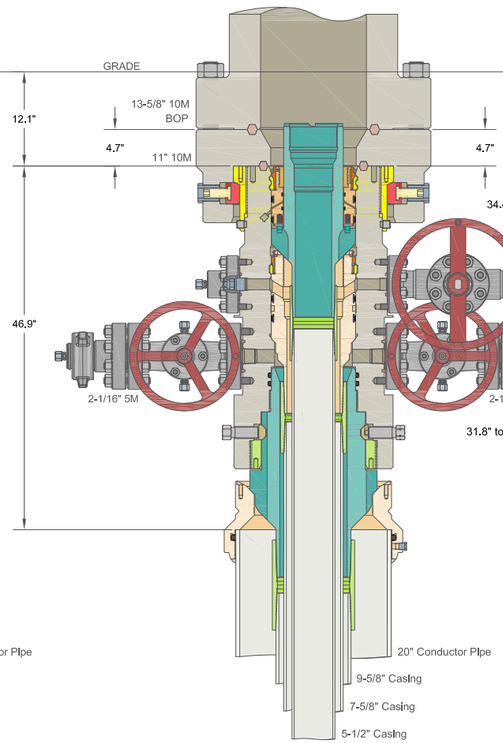
19100.000	90.000	179.771	10648.150	74.253	0.000	70.821	-0.000	74.253	0.000	0.000	70.858	45.490	-2.632	MWD+IFR1+MS
19200.000	90.000	179.771	10648.150	74.982	0.000	71.465	-0.000	74.982	0.000	0.000	71.501	45.534	-2.571	MWD+IFR1+MS
19300.000	90.000	179.771	10648.150	75.713	0.000	72.111	-0.000	75.713	0.000	0.000	72.146	45.579	-2.512	MWD+IFR1+MS
19400.000	90.000	179.771	10648.150	76.444	0.000	72.760	-0.000	76.444	0.000	0.000	72.793	45.623	-2.456	MWD+IFR1+MS
19500.000	90.000	179.771	10648.150	77.177	0.000	73.410	-0.000	77.177	0.000	0.000	73.443	45.669	-2.402	MWD+IFR1+MS
19600.000	90.000	179.771	10648.150	77.910	0.000	74.063	-0.000	77.910	0.000	0.000	74.094	45.715	-2.351	MWD+IFR1+MS
19700.000	90.000	179.771	10648.150	78.645	0.000	74.718	-0.000	78.645	0.000	0.000	74.749	45.761	-2.301	MWD+IFR1+MS
19800.000	90.000	179.771	10648.150	79.380	0.000	75.375	-0.000	79.380	0.000	0.000	75.405	45.807	-2.253	MWD+IFR1+MS
19900.000	90.000	179.771	10648.150	80.117	0.000	76.034	-0.000	80.117	0.000	0.000	76.063	45.854	-2.208	MWD+IFR1+MS
20000.000	90.000	179.771	10648.150	80.854	0.000	76.695	-0.000	80.854	0.000	0.000	76.723	45.902	-2.164	MWD+IFR1+MS
20100.000	90.000	179.771	10648.150	81.593	0.000	77.358	-0.000	81.593	0.000	0.000	77.385	45.950	-2.121	MWD+IFR1+MS
20200.000	90.000	179.771	10648.150	82.332	0.000	78.023	-0.000	82.332	0.000	0.000	78.050	45.998	-2.080	MWD+IFR1+MS
20300.000	90.000	179.771	10648.150	83.072	0.000	78.690	-0.000	83.072	0.000	0.000	78.715	46.047	-2.041	MWD+IFR1+MS
20400.000	90.000	179.771	10648.150	83.812	0.000	79.358	-0.000	83.812	0.000	0.000	79.383	46.097	-2.003	MWD+IFR1+MS
20500.000	90.000	179.771	10648.150	84.554	0.000	80.028	-0.000	84.554	0.000	0.000	80.053	46.146	-1.966	MWD+IFR1+MS
20600.000	90.000	179.771	10648.150	85.296	0.000	80.700	-0.000	85.296	0.000	0.000	80.724	46.197	-1.931	MWD+IFR1+MS
20700.000	90.000	179.771	10648.150	86.039	0.000	81.374	-0.000	86.039	0.000	0.000	81.397	46.247	-1.897	MWD+IFR1+MS
20800.000	90.000	179.771	10648.150	86.783	0.000	82.049	-0.000	86.783	0.000	0.000	82.072	46.299	-1.864	MWD+IFR1+MS
20900.000	90.000	179.771	10648.150	87.528	0.000	82.726	-0.000	87.528	0.000	0.000	82.748	46.350	-1.832	MWD+IFR1+MS
21000.000	90.000	179.771	10648.150	88.273	0.000	83.404	-0.000	88.273	0.000	0.000	83.425	46.402	-1.801	MWD+IFR1+MS
21100.000	90.000	179.771	10648.150	89.019	0.000	84.084	-0.000	89.019	0.000	0.000	84.105	46.455	-1.771	MWD+IFR1+MS
21200.000	90.000	179.771	10648.150	89.766	0.000	84.765	-0.000	89.766	0.000	0.000	84.785	46.508	-1.742	MWD+IFR1+MS
21300.000	90.000	179.771	10648.150	90.513	0.000	85.447	-0.000	90.513	0.000	0.000	85.468	46.561	-1.714	MWD+IFR1+MS
21400.000	90.000	179.771	10648.150	91.261	0.000	86.131	-0.000	91.261	0.000	0.000	86.151	46.615	-1.687	MWD+IFR1+MS
21500.000	90.000	179.771	10648.150	92.009	0.000	86.817	-0.000	92.009	0.000	0.000	86.836	46.669	-1.661	MWD+IFR1+MS
21574.455	90.000	179.771	10648.150	92.566	0.000	87.327	-0.000	92.566	0.000	0.000	87.346	46.710	-1.642	MWD+IFR1+MS
21600.000	90.000	179.771	10648.150	92.757	0.000	87.502	-0.000	92.757	0.000	0.000	87.520	46.724	-1.635	MWD+IFR1+MS
21626.236	90.000	179.771	10648.150	92.953	0.000	87.681	-0.000	92.953	0.000	0.000	87.700	46.738	-1.629	MWD+IFR1+MS

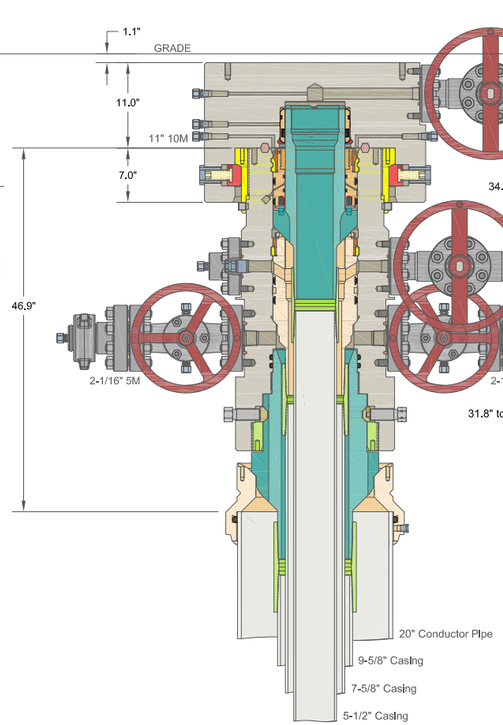
Plan Targets POKER LAKE UNIT 13 DTD 216H

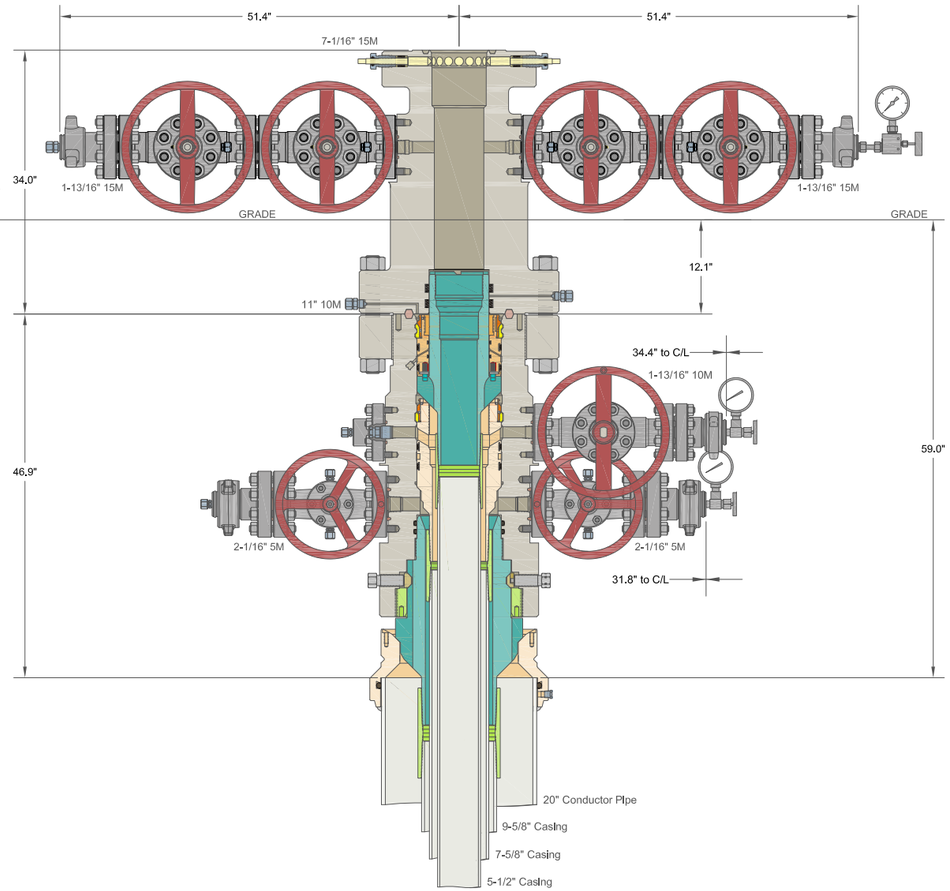
Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
FTP 4	11213.67	440559.30	654363.40	7152.15	RECTANGLE

LTP 4	21574.45	430198.60	654404.90	7152.15	RECTANGLE
BHL 4	21624.46	430148.60	654405.30	7152.15	RECTANGLE









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 298539

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 298539
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	All original COA's still apply.	1/9/2024