

Well Name: POKER LAKE UNIT 13 DTD	Well Location: T24S / R30E / SEC 24 / NWNW /	County or Parish/State:
Well Number: 116H	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: 2760432

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 11/08/2023

Time Sundry Submitted: 08:59

Date proposed operation will begin: 11/27/2023

Procedure Description: XTO Permian Operating, LLC. respectfully requests approval to make changes to the Approved APD (ID 10400089939) as follows: Surface Hole Change, First and Last Take Point Changes, Bottom Hole Location Change, Drilling Plan Change, Directional Plan Change, Casing/Cement Change. SHL: FROM: 216' FNL & 505' FWL TO: 216' FNL & 470' FWL of Section 24-T24S-R30E FTP: FROM: 100' FNL & 1210' FWL TO: 100' FNL & 1540' FWL of Section 24-T24S-R30E LTP: FROM: 100' FSL & 1210' FWL TO: 100' FSL & 1540' FWL of Section 25-T24S-R30E BHL: FROM: 50' FSL & 1210' FWL TO: 50' FSL & 1540' FWL of Section 25-T24S-R30E HOLE AND CASING SIZES: surface, intermediate and production hole, casing and cement will be downsized 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_116H_Sundry_Attachments_20231214152832.pdf

Well Name: POKER LAKE UNIT 13
DTD

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

County or Parish/State:

Well Number: 116H

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_2760432_Poker_Lake_Unit_13_DTD_116H_COAs_20231226110552.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: RANELL (RUSTY) KLEIN

Signed on: DEC 14, 2023 03:28 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: RANELL.KLEIN@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.

5. Lease Serial No. **NMNM030453**

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator **XTO ENERGY INCORPORATED**

3a. Address **222777 SPRINGWOODS VILLAGE PKWY, SP** 3b. Phone No. (include area code)
(817) 870-2800

4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)
SEC 24/T24S/R30E/NMP

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

8. Well Name and No. **POKER LAKE UNIT 13 DTD/116H**

9. API Well No.

10. Field and Pool or Exploratory Area
WC-015 G-06 S243119C/Bone Spring

11. Country or Parish, State
EDDY/NM

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

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

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

XTO Permian Operating, LLC. respectfully requests approval to make changes to the Approved APD (ID 10400089939) as follows: Surface Hole Change, First and Last Take Point Changes, Bottom Hole Location Change, Drilling Plan Change, Directional Plan Change, Casing/Cement Change.

SHL: FROM: 216 FNL & 505 FWL TO: 216 FNL & 470 FWL of Section 24-T24S-R30E
 FTP: FROM: 100 FNL & 1210 FWL TO: 100 FNL & 1540 FWL of Section 24-T24S-R30E
 LTP: FROM: 100 FSL & 1210 FWL TO: 100 FSL & 1540 FWL of Section 25-T24S-R30E
 BHL: FROM: 50 FSL & 1210 FWL TO: 50 FSL & 1540 FWL of Section 25-T24S-R30E

HOLE AND CASING SIZES: surface, intermediate and production hole, casing and cement will be downsized 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.

Continued on page 3 additional information

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

Regulatory Analyst
Title

Signature (Electronic Submission) Date **12/14/2023**

THE SPACE FOR FEDERAL OR STATE OFFICE USE

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

Petroleum Engineer
Title

12/29/2023
Date

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

Office **CARLSBAD**

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

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

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

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

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

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

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

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

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

Response to this request is mandatory.

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

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

Additional Information

Additional Remarks

Attachments:

C102

Drilling Program

Directional Plan

MBS

Location of Well

0. SHL: NWNW / 216 FNL / 505 FWL / TWSP: 24S / RANGE: 30E / SECTION: 24 / LAT: 32.210045 / LONG: -103.841338 (TVD: 0 feet, MD: 0 feet)

PPP: NWNW / 100 FNL / 1210 FWL / TWSP: 24S / RANGE: 30E / SECTION: 24 / LAT: 32.21036 / LONG: -103.839057 (TVD: 9873 feet, MD: 10265 feet)

BHL: SWSW / 50 FSL / 1210 FWL / TWSP: 24S / RANGE: 30E / SECTION: 25 / LAT: 32.181747 / LONG: -103.839075 (TVD: 9873 feet, MD: 20674 feet)

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO Energy Incorporated
WELL NAME & NO.:	Poker Lake Unit 13 DTD 116H
LOCATION:	Sec 24-24S-30E-NMP
COUNTY:	Eddy County, New Mexico

*Changes approved through engineering via **Sundry 2760432** on 12/26/2023. Any previous COAs not addressed within the updated COAs still apply.*

COA

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

A. HYDROGEN SULFIDE

Hydrogen Sulfide (H₂S) monitors shall be installed prior to drilling out the surface shoe. If H₂S is detected in concentrations greater than 100 ppm, the Hydrogen Sulfide area shall meet 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 596 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 6320'**
 - 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 integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.

5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in **43 CFR part 3170 Subpart 3172 and API STD 53 Sec. 5.3**.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.

- c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. Whenever any seal subject to test pressure is broken, all the tests in **43 CFR part 3170 Subpart 3172** must be followed.
 - e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
 - b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)
 - c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR part 3170 Subpart 3172** with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
 - d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
 - e. The results of the test shall be reported to the appropriate BLM office.

- f. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- g. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per **43 CFR part 3170 Subpart 3172**.

C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

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

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

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

AMENDED REPORT

APD ID
10400089939

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-	² Pool Code 97975	³ Pool Name WC-015 G-06 S243119C; Bone Spring
⁴ Property Code	⁵ Property Name POKER LAKE UNIT 13 DTD	
⁷ OGRID No. 005380	⁸ Operator Name XTO Energy, Inc.	⁶ Well Number 116H
		⁹ Elevation 3,447'

¹⁰ Surface Location

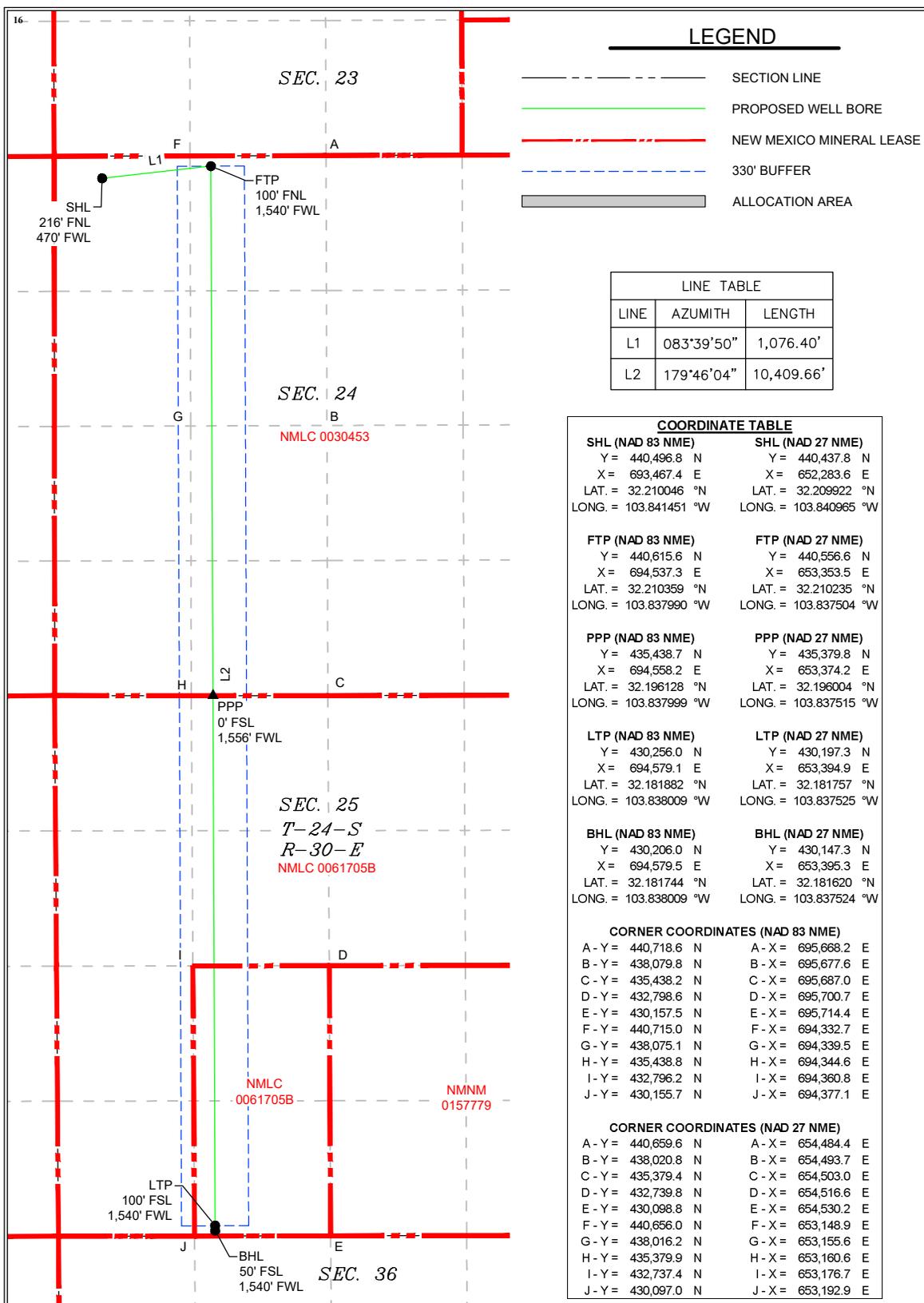
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	24	24S	30E		216	NORTH	470	WEST	EDDY

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	1,540	WEST	EDDY

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



17 OPERATOR CERTIFICATION

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

Jean A. Cooper 10/10/2023
Signature Date

Jean A. Cooper
Printed Name

jean.cooper@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.

09-27-2023
Date of Survey

Signature and Seal of Professional Surveyor:

Mark Dillon Harp

MARK DILLON HARP
NEW MEXICO
23786
PROFESSIONAL SURVEYOR

MARK DILLON HARP 23786
Certificate Number

KC 618.013003.10-03

P:\618.013 XTO Energy - NM\003 Poker Lake Unit\10 - PLU 13 DTD - EDDY\Wells\03 - 116H\DWG\116H C-102.dwg

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

XTO Energy Inc.
Poker Lake Unit 13 DTD 116H
Projected TD: 20892.88' MD / 9876.88' TVD
SHL: 216' FNL & 470' FWL , Section 24, T24S, R30E
BHL: 50' FSL & 1540' 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	496'	Water
Top of Salt	952'	Water
Base of Salt	3927'	Water
Delaware	4125'	Water
Brushy Canyon	6320'	Water/Oil/Gas
Bone Spring	8000'	Water
1st Bone Spring	8949'	Water/Oil/Gas
2nd Bone Spring	9789'	Water/Oil/Gas
3rd Bone Spring	10446'	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	9877'	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 @ 596' (356' 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 9158.27' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 20892.88 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 8858.27 feet).

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0' – 596'	9.625	40	J-55	BTC	New	1.39	10.56	26.43
8.75	0' – 4000'	7.625	29.7	RY P-110	Flush Joint	New	2.72	2.52	2.05
8.75	4000' – 9158.27'	7.625	29.7	HC L-80	Flush Joint	New	1.98	2.01	2.65
6.75	0' – 9058.27'	5.5	20	RY P-110	Semi-Premium	New	1.26	2.14	2.27
6.75	9058.27' - 20892.88'	5.5	20	RY P-110	Semi-Flush	New	1.26	1.96	2.27

- 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 +/- 596'

Lead: 90 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 +/- 9158.27'

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: 260 sxs Class C (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)

TOC: Brushy Canyon @ 6320

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 (6320') 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 +/- 20892.88'

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft3/sx, 15.00 gal/sx water) Top of Cement: 8858.27 feet

Tail: 820 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft3/sx, 8.38 gal/sx water) Top of Cement: 9358.27 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 3477 psi. In any instance where 10M BOP is required by BLM, XTO requests a variance to utilize 5M annular with 10M ram preventers (a common BOP configuration, which allows use of 10M rams in unlikely event that pressures exceed 5M).

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

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

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

hole on each of the wells.

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

6. Proposed Mud Circulation System

INTERVAL	Hole Size	Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)
0' - 596'	12.25	FW/Native	8.4-8.9	35-40	NC
596' - 9158.27'	8.75	FW / Cut Brine / Direct Emulsion	10.2-10.7	30-32	NC
9158.27' - 20892.88'	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 165 to 185 F is anticipated. No H2S is expected but monitors will be in place to detect any H2S occurrences. Should these circumstances be encountered the operator and drilling contractor are prepared to take all necessary steps to ensure safety of all personnel and environment. Lost circulation could occur but is not expected to be a serious problem in this area and hole seepage will be compensated for by additions of small amounts of LCM in the drilling fluid. The maximum anticipated bottom hole pressure for this well is 5650 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 116H

Measured Depth: 20892.88 ft
TVD RKB: 9876.88 ft
Location
Cartographic Reference System: New Mexico East - NAD 27
Northing: 440437.80 ft
Easting: 652283.60 ft
RKB: 3479.00 ft
Ground Level: 3447.00 ft
North Reference: Grid
Convergence Angle: 0.26 Deg

Site: A
Slot: POKER LAKE UNIT 13
 DTD 116H

Plan Sections POKER LAKE UNIT 13 DTD 116H

Measured Depth (ft)	Inclination (Deg)	Azimuth (Deg)	TVD RKB (ft)	Y Offset (ft)	X Offset (ft)	Build	Turn	Dogleg	Target
						Rate (Deg/100ft)	Rate (Deg/100ft)	Rate (Deg/100ft)	
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	
2089.33	17.79	51.96	2075.11	84.39	107.84	2.00	0.00	2.00	
5628.26	17.79	51.96	5444.89	750.60	959.20	0.00	0.00	0.00	
6517.59	0.00	0.00	6320.00	834.99	1067.04	-2.00	0.00	2.00	
9358.27	0.00	0.00	9160.68	834.99	1067.04	0.00	0.00	0.00	
10483.27	90.00	179.77	9876.88	118.80	1069.90	8.00	0.00	8.00	FTP 3
20842.65	90.00	179.77	9876.88	-10240.50	1111.30	0.00	0.00	0.00	LTP 3
20892.88	90.00	179.77	9876.88	-10290.72	1111.50	0.00	0.00	0.00	BHL 3

Position Uncertainty POKER LAKE UNIT 13 DTD 116H

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	2.693	0.000	0.000	5.119	4.207	128.954	MWD+IFR1+MS
1300.000	2.000	51.956	1299.980	5.601	0.000	4.618	0.000	2.753	0.000	0.000	5.623	4.593	133.491	MWD+IFR1+MS
1400.000	4.000	51.956	1399.838	6.327	0.000	5.004	0.000	2.816	0.000	0.000	6.337	5.004	-38.812	MWD+IFR1+MS
1500.000	6.000	51.956	1499.452	6.988	0.000	5.386	0.000	2.884	0.000	0.000	7.015	5.380	-34.877	MWD+IFR1+MS
1600.000	8.000	51.956	1598.702	7.601	0.000	5.765	0.000	2.960	0.000	0.000	7.655	5.745	-32.577	MWD+IFR1+MS
1700.000	10.000	51.956	1697.465	8.174	0.000	6.143	0.000	3.044	0.000	0.000	8.261	6.106	-31.089	MWD+IFR1+MS
1800.000	12.000	51.956	1795.623	8.715	0.000	6.519	0.000	3.140	0.000	0.000	8.838	6.465	-30.051	MWD+IFR1+MS
1900.000	14.000	51.956	1893.055	9.229	0.000	6.896	0.000	3.250	0.000	0.000	9.390	6.825	-29.284	MWD+IFR1+MS
2000.000	16.000	51.956	1989.643	9.718	0.000	7.273	0.000	3.373	0.000	0.000	9.920	7.188	-28.691	MWD+IFR1+MS
2089.326	17.787	51.956	2075.111	10.089	0.000	7.608	0.000	3.485	0.000	0.000	10.333	7.514	-28.362	MWD+IFR1+MS
2100.000	17.787	51.956	2085.275	10.118	0.000	7.646	0.000	3.488	0.000	0.000	10.363	7.552	-28.380	MWD+IFR1+MS
2200.000	17.787	51.956	2180.495	10.392	0.000	8.013	0.000	3.582	0.000	0.000	10.624	7.924	-28.359	MWD+IFR1+MS
2300.000	17.787	51.956	2275.715	10.688	0.000	8.399	0.000	3.684	0.000	0.000	10.907	8.310	-28.078	MWD+IFR1+MS
2400.000	17.787	51.956	2370.935	10.991	0.000	8.787	0.000	3.790	0.000	0.000	11.197	8.697	-27.798	MWD+IFR1+MS
2500.000	17.787	51.956	2466.155	11.302	0.000	9.177	0.000	3.901	0.000	0.000	11.494	9.087	-27.520	MWD+IFR1+MS
2600.000	17.787	51.956	2561.375	11.620	0.000	9.569	0.000	4.014	0.000	0.000	11.798	9.478	-27.243	MWD+IFR1+MS
2700.000	17.787	51.956	2656.595	11.943	0.000	9.962	0.000	4.132	0.000	0.000	12.107	9.871	-26.967	MWD+IFR1+MS
2800.000	17.787	51.956	2751.815	12.273	0.000	10.357	0.000	4.253	0.000	0.000	12.421	10.265	-26.692	MWD+IFR1+MS
2900.000	17.787	51.956	2847.036	12.608	0.000	10.752	0.000	4.376	0.000	0.000	12.740	10.660	-26.416	MWD+IFR1+MS

3000.000	17.787	51.956	2942.256	12.948	0.000	11.148	0.000	4.503	0.000	0.000	13.063	11.056	-26.142	MWD+IFR1+MS
3100.000	17.787	51.956	3037.476	13.292	0.000	11.546	0.000	4.632	0.000	0.000	13.391	11.453	-25.867	MWD+IFR1+MS
3200.000	17.787	51.956	3132.696	13.640	0.000	11.944	0.000	4.763	0.000	0.000	13.723	11.851	-25.591	MWD+IFR1+MS
3300.000	17.787	51.956	3227.916	13.993	0.000	12.343	0.000	4.897	0.000	0.000	14.058	12.249	-25.316	MWD+IFR1+MS
3400.000	17.787	51.956	3323.136	14.348	0.000	12.743	0.000	5.033	0.000	0.000	14.396	12.648	-25.039	MWD+IFR1+MS
3500.000	17.787	51.956	3418.356	14.708	0.000	13.143	0.000	5.172	0.000	0.000	14.738	13.048	-24.761	MWD+IFR1+MS
3600.000	17.787	51.956	3513.576	15.070	0.000	13.544	0.000	5.312	0.000	0.000	15.083	13.449	-24.482	MWD+IFR1+MS
3700.000	17.787	51.956	3608.797	15.435	0.000	13.945	0.000	5.454	0.000	0.000	15.430	13.849	-24.202	MWD+IFR1+MS
3800.000	17.787	51.956	3704.017	15.803	0.000	14.347	0.000	5.598	0.000	0.000	15.780	14.251	-23.919	MWD+IFR1+MS
3900.000	17.787	51.956	3799.237	16.173	0.000	14.749	0.000	5.744	0.000	0.000	16.132	14.653	-23.635	MWD+IFR1+MS
4000.000	17.787	51.956	3894.457	16.546	0.000	15.151	0.000	5.892	0.000	0.000	16.487	15.055	-23.347	MWD+IFR1+MS
4100.000	17.787	51.956	3989.677	16.921	0.000	15.554	0.000	6.041	0.000	0.000	16.843	15.458	-23.057	MWD+IFR1+MS
4200.000	17.787	51.956	4084.897	17.298	0.000	15.957	0.000	6.192	0.000	0.000	17.202	15.860	-22.764	MWD+IFR1+MS
4300.000	17.787	51.956	4180.117	17.676	0.000	16.361	0.000	6.345	0.000	0.000	17.562	16.264	-22.468	MWD+IFR1+MS
4400.000	17.787	51.956	4275.337	18.057	0.000	16.765	0.000	6.499	0.000	0.000	17.925	16.667	-22.168	MWD+IFR1+MS
4500.000	17.787	51.956	4370.558	18.439	0.000	17.169	0.000	6.655	0.000	0.000	18.288	17.071	-21.863	MWD+IFR1+MS
4600.000	17.787	51.956	4465.778	18.823	0.000	17.573	0.000	6.812	0.000	0.000	18.654	17.475	-21.554	MWD+IFR1+MS
4700.000	17.787	51.956	4560.998	19.208	0.000	17.978	0.000	6.971	0.000	0.000	19.021	17.879	-21.240	MWD+IFR1+MS
4800.000	17.787	51.956	4656.218	19.594	0.000	18.382	0.000	7.131	0.000	0.000	19.389	18.284	-20.921	MWD+IFR1+MS
4900.000	17.787	51.956	4751.438	19.982	0.000	18.787	0.000	7.293	0.000	0.000	19.758	18.689	-20.596	MWD+IFR1+MS
5000.000	17.787	51.956	4846.658	20.371	0.000	19.192	0.000	7.457	0.000	0.000	20.129	19.094	-20.264	MWD+IFR1+MS
5100.000	17.787	51.956	4941.878	20.761	0.000	19.598	0.000	7.622	0.000	0.000	20.501	19.499	-19.926	MWD+IFR1+MS
5200.000	17.787	51.956	5037.098	21.153	0.000	20.003	0.000	7.789	0.000	0.000	20.874	19.904	-19.581	MWD+IFR1+MS
5300.000	17.787	51.956	5132.319	21.545	0.000	20.409	0.000	7.957	0.000	0.000	21.248	20.309	-19.227	MWD+IFR1+MS
5400.000	17.787	51.956	5227.539	21.939	0.000	20.815	0.000	8.126	0.000	0.000	21.624	20.715	-18.865	MWD+IFR1+MS
5500.000	17.787	51.956	5322.759	22.333	0.000	21.221	0.000	8.298	0.000	0.000	22.000	21.120	-18.494	MWD+IFR1+MS
5600.000	17.787	51.956	5417.979	22.728	0.000	21.627	0.000	8.470	0.000	0.000	22.377	21.526	-18.113	MWD+IFR1+MS
5628.261	17.787	51.956	5444.889	22.838	0.000	21.739	0.000	8.519	0.000	0.000	22.481	21.640	-18.112	MWD+IFR1+MS
5700.000	16.352	51.956	5513.466	23.161	0.000	22.024	0.000	8.644	0.000	0.000	22.751	21.927	-18.154	MWD+IFR1+MS
5800.000	14.352	51.956	5609.893	23.654	0.000	22.418	0.000	8.828	0.000	0.000	23.197	22.320	-18.717	MWD+IFR1+MS
5900.000	12.352	51.956	5707.185	24.140	0.000	22.805	0.000	9.004	0.000	0.000	23.667	22.705	-19.382	MWD+IFR1+MS
6000.000	10.352	51.956	5805.224	24.585	0.000	23.183	0.000	9.168	0.000	0.000	24.129	23.080	-19.961	MWD+IFR1+MS
6100.000	8.352	51.956	5903.890	24.992	0.000	23.552	0.000	9.321	0.000	0.000	24.583	23.446	-20.460	MWD+IFR1+MS

6200.000	6.352	51.956	6003.063	25.358	0.000	23.912	0.000	9.464	0.000	0.000	25.028	23.803	-20.881	MWD+IFR1+MS
6300.000	4.352	51.956	6102.622	25.684	0.000	24.262	0.000	9.599	0.000	0.000	25.463	24.150	-21.231	MWD+IFR1+MS
6400.000	2.352	51.956	6202.446	25.970	0.000	24.603	0.000	9.727	0.000	0.000	25.887	24.487	-21.515	MWD+IFR1+MS
6500.000	0.352	51.956	6302.413	26.217	0.000	24.935	0.000	9.850	0.000	0.000	26.299	24.815	-21.737	MWD+IFR1+MS
6517.587	0.000	0.000	6320.000	25.080	0.000	26.154	0.000	9.871	0.000	0.000	26.352	24.872	-21.749	MWD+IFR1+MS
6600.000	0.000	0.000	6402.413	25.345	0.000	26.399	0.000	9.970	0.000	0.000	26.595	25.139	-21.837	MWD+IFR1+MS
6700.000	0.000	0.000	6502.413	25.671	0.000	26.702	0.000	10.093	0.000	0.000	26.899	25.464	-22.023	MWD+IFR1+MS
6800.000	0.000	0.000	6602.413	25.998	0.000	27.007	0.000	10.219	0.000	0.000	27.205	25.791	-22.243	MWD+IFR1+MS
6900.000	0.000	0.000	6702.413	26.327	0.000	27.313	0.000	10.348	0.000	0.000	27.512	26.118	-22.464	MWD+IFR1+MS
7000.000	0.000	0.000	6802.413	26.656	0.000	27.621	0.000	10.479	0.000	0.000	27.821	26.447	-22.687	MWD+IFR1+MS
7100.000	0.000	0.000	6902.413	26.985	0.000	27.930	0.000	10.613	0.000	0.000	28.131	26.776	-22.910	MWD+IFR1+MS
7200.000	0.000	0.000	7002.413	27.316	0.000	28.240	0.000	10.750	0.000	0.000	28.443	27.105	-23.134	MWD+IFR1+MS
7300.000	0.000	0.000	7102.413	27.647	0.000	28.552	0.000	10.891	0.000	0.000	28.755	27.436	-23.359	MWD+IFR1+MS
7400.000	0.000	0.000	7202.413	27.979	0.000	28.864	0.000	11.034	0.000	0.000	29.069	27.766	-23.586	MWD+IFR1+MS
7500.000	0.000	0.000	7302.413	28.312	0.000	29.178	0.000	11.180	0.000	0.000	29.383	28.098	-23.812	MWD+IFR1+MS
7600.000	0.000	0.000	7402.413	28.645	0.000	29.492	0.000	11.329	0.000	0.000	29.699	28.430	-24.040	MWD+IFR1+MS
7700.000	0.000	0.000	7502.413	28.978	0.000	29.808	0.000	11.481	0.000	0.000	30.015	28.763	-24.269	MWD+IFR1+MS
7800.000	0.000	0.000	7602.413	29.313	0.000	30.124	0.000	11.636	0.000	0.000	30.333	29.096	-24.498	MWD+IFR1+MS
7900.000	0.000	0.000	7702.413	29.648	0.000	30.441	0.000	11.794	0.000	0.000	30.652	29.430	-24.728	MWD+IFR1+MS
8000.000	0.000	0.000	7802.413	29.983	0.000	30.760	0.000	11.955	0.000	0.000	30.971	29.765	-24.959	MWD+IFR1+MS
8100.000	0.000	0.000	7902.413	30.319	0.000	31.079	0.000	12.120	0.000	0.000	31.291	30.100	-25.190	MWD+IFR1+MS
8200.000	0.000	0.000	8002.413	30.656	0.000	31.399	0.000	12.287	0.000	0.000	31.613	30.435	-25.422	MWD+IFR1+MS
8300.000	0.000	0.000	8102.413	30.993	0.000	31.720	0.000	12.458	0.000	0.000	31.935	30.771	-25.655	MWD+IFR1+MS
8400.000	0.000	0.000	8202.413	31.330	0.000	32.041	0.000	12.631	0.000	0.000	32.257	31.108	-25.889	MWD+IFR1+MS
8500.000	0.000	0.000	8302.413	31.668	0.000	32.364	0.000	12.808	0.000	0.000	32.581	31.445	-26.123	MWD+IFR1+MS
8600.000	0.000	0.000	8402.413	32.006	0.000	32.687	0.000	12.988	0.000	0.000	32.905	31.782	-26.357	MWD+IFR1+MS
8700.000	0.000	0.000	8502.413	32.345	0.000	33.011	0.000	13.172	0.000	0.000	33.230	32.120	-26.592	MWD+IFR1+MS
8800.000	0.000	0.000	8602.413	32.684	0.000	33.335	0.000	13.358	0.000	0.000	33.556	32.458	-26.828	MWD+IFR1+MS
8900.000	0.000	0.000	8702.413	33.024	0.000	33.661	0.000	13.548	0.000	0.000	33.883	32.796	-27.064	MWD+IFR1+MS
9000.000	0.000	0.000	8802.413	33.364	0.000	33.987	0.000	13.741	0.000	0.000	34.210	33.135	-27.300	MWD+IFR1+MS
9100.000	0.000	0.000	8902.413	33.704	0.000	34.313	0.000	13.937	0.000	0.000	34.538	33.474	-27.537	MWD+IFR1+MS
9200.000	0.000	0.000	9002.413	34.045	0.000	34.640	0.000	14.136	0.000	0.000	34.866	33.814	-27.775	MWD+IFR1+MS
9300.000	0.000	0.000	9102.413	34.386	0.000	34.968	0.000	14.338	0.000	0.000	35.195	34.154	-28.012	MWD+IFR1+MS

9358.270	0.000	0.000	9160.683	34.583	0.000	35.158	0.000	14.458	0.000	0.000	35.384	34.352	-28.092	MWD+IFR1+MS
9400.000	3.338	179.771	9202.389	34.494	0.000	35.290	-0.000	14.543	0.000	0.000	35.512	34.492	-28.234	MWD+IFR1+MS
9500.000	11.338	179.771	9301.490	34.483	0.000	35.576	-0.000	14.778	0.000	0.000	36.035	35.138	133.939	MWD+IFR1+MS
9600.000	19.338	179.771	9397.849	34.556	0.000	35.845	-0.000	15.169	0.000	0.000	37.146	35.647	110.847	MWD+IFR1+MS
9700.000	27.338	179.771	9489.593	34.140	0.000	36.089	-0.000	15.786	0.000	0.000	38.267	35.945	103.976	MWD+IFR1+MS
9800.000	35.338	179.771	9574.935	33.313	0.000	36.307	-0.000	16.678	0.000	0.000	39.228	36.180	101.317	MWD+IFR1+MS
9900.000	43.338	179.771	9652.213	32.180	0.000	36.498	-0.000	17.853	0.000	0.000	40.002	36.376	100.125	MWD+IFR1+MS
10000.000	51.338	179.771	9719.925	30.874	0.000	36.662	-0.000	19.281	0.000	0.000	40.586	36.536	99.645	MWD+IFR1+MS
10100.000	59.338	179.771	9776.752	29.561	0.000	36.797	-0.000	20.910	0.000	0.000	40.994	36.663	99.601	MWD+IFR1+MS
10200.000	67.338	179.771	9821.587	28.432	0.000	36.904	-0.000	22.676	0.000	0.000	41.250	36.758	99.868	MWD+IFR1+MS
10300.000	75.338	179.771	9853.559	27.687	0.000	36.984	-0.000	24.514	0.000	0.000	41.387	36.821	100.366	MWD+IFR1+MS
10400.000	83.338	179.771	9872.045	27.502	0.000	37.036	-0.000	26.358	0.000	0.000	41.446	36.852	101.012	MWD+IFR1+MS
10483.270	90.000	179.771	9876.880	27.466	0.000	37.057	-0.000	27.466	0.000	0.000	41.467	36.853	101.570	MWD+IFR1+MS
10500.000	90.000	179.771	9876.880	27.509	0.000	37.059	-0.000	27.509	0.000	0.000	41.471	36.850	101.678	MWD+IFR1+MS
10600.000	90.000	179.771	9876.880	27.738	0.000	37.082	-0.000	27.738	0.000	0.000	41.496	36.848	102.361	MWD+IFR1+MS
10700.000	90.000	179.771	9876.880	27.991	0.000	37.124	-0.000	27.991	0.000	0.000	41.523	36.862	103.083	MWD+IFR1+MS
10800.000	90.000	179.771	9876.880	28.264	0.000	37.182	-0.000	28.264	0.000	0.000	41.553	36.890	103.841	MWD+IFR1+MS
10900.000	90.000	179.771	9876.880	28.556	0.000	37.255	-0.000	28.556	0.000	0.000	41.585	36.931	104.640	MWD+IFR1+MS
11000.000	90.000	179.771	9876.880	28.866	0.000	37.344	-0.000	28.866	0.000	0.000	41.621	36.984	105.486	MWD+IFR1+MS
11100.000	90.000	179.771	9876.880	29.193	0.000	37.448	-0.000	29.193	0.000	0.000	41.661	37.050	106.385	MWD+IFR1+MS
11200.000	90.000	179.771	9876.880	29.538	0.000	37.568	-0.000	29.538	0.000	0.000	41.704	37.128	107.342	MWD+IFR1+MS
11300.000	90.000	179.771	9876.880	29.900	0.000	37.703	-0.000	29.900	0.000	0.000	41.752	37.217	108.363	MWD+IFR1+MS
11400.000	90.000	179.771	9876.880	30.278	0.000	37.853	-0.000	30.278	0.000	0.000	41.804	37.317	109.456	MWD+IFR1+MS
11500.000	90.000	179.771	9876.880	30.671	0.000	38.017	-0.000	30.671	0.000	0.000	41.862	37.426	110.628	MWD+IFR1+MS
11600.000	90.000	179.771	9876.880	31.079	0.000	38.196	-0.000	31.079	0.000	0.000	41.926	37.545	111.884	MWD+IFR1+MS
11700.000	90.000	179.771	9876.880	31.501	0.000	38.390	-0.000	31.501	0.000	0.000	41.996	37.672	113.233	MWD+IFR1+MS
11800.000	90.000	179.771	9876.880	31.937	0.000	38.598	-0.000	31.937	0.000	0.000	42.074	37.807	114.680	MWD+IFR1+MS
11900.000	90.000	179.771	9876.880	32.386	0.000	38.820	-0.000	32.386	0.000	0.000	42.159	37.947	116.230	MWD+IFR1+MS
12000.000	90.000	179.771	9876.880	32.848	0.000	39.056	-0.000	32.848	0.000	0.000	42.255	38.093	117.887	MWD+IFR1+MS
12100.000	90.000	179.771	9876.880	33.322	0.000	39.305	-0.000	33.322	0.000	0.000	42.360	38.242	119.653	MWD+IFR1+MS
12200.000	90.000	179.771	9876.880	33.807	0.000	39.567	-0.000	33.807	0.000	0.000	42.477	38.394	121.526	MWD+IFR1+MS
12300.000	90.000	179.771	9876.880	34.303	0.000	39.842	-0.000	34.303	0.000	0.000	42.607	38.546	123.500	MWD+IFR1+MS
12400.000	90.000	179.771	9876.880	34.810	0.000	40.130	-0.000	34.810	0.000	0.000	42.750	38.698	125.566	MWD+IFR1+MS

12500.000	90.000	179.771	9876.880	35.328	0.000	40.431	-0.000	35.328	0.000	0.000	42.908	38.848	127.710	MWD+IFR1+MS
12600.000	90.000	179.771	9876.880	35.855	0.000	40.744	-0.000	35.855	0.000	0.000	43.083	38.995	129.912	MWD+IFR1+MS
12700.000	90.000	179.771	9876.880	36.391	0.000	41.068	-0.000	36.391	0.000	0.000	43.274	39.137	132.150	MWD+IFR1+MS
12800.000	90.000	179.771	9876.880	36.936	0.000	41.404	-0.000	36.936	0.000	0.000	43.483	39.274	134.398	MWD+IFR1+MS
12900.000	90.000	179.771	9876.880	37.490	0.000	41.752	-0.000	37.490	0.000	0.000	43.709	39.404	-43.370	MWD+IFR1+MS
13000.000	90.000	179.771	9876.880	38.051	0.000	42.110	-0.000	38.051	0.000	0.000	43.955	39.528	-41.179	MWD+IFR1+MS
13100.000	90.000	179.771	9876.880	38.621	0.000	42.479	-0.000	38.621	0.000	0.000	44.218	39.645	-39.052	MWD+IFR1+MS
13200.000	90.000	179.771	9876.880	39.198	0.000	42.859	-0.000	39.198	0.000	0.000	44.500	39.755	-37.006	MWD+IFR1+MS
13300.000	90.000	179.771	9876.880	39.782	0.000	43.249	-0.000	39.782	0.000	0.000	44.799	39.857	-35.057	MWD+IFR1+MS
13400.000	90.000	179.771	9876.880	40.373	0.000	43.649	-0.000	40.373	0.000	0.000	45.115	39.954	-33.213	MWD+IFR1+MS
13500.000	90.000	179.771	9876.880	40.970	0.000	44.059	-0.000	40.970	0.000	0.000	45.448	40.044	-31.480	MWD+IFR1+MS
13600.000	90.000	179.771	9876.880	41.574	0.000	44.478	-0.000	41.574	0.000	0.000	45.796	40.128	-29.859	MWD+IFR1+MS
13700.000	90.000	179.771	9876.880	42.184	0.000	44.906	-0.000	42.184	0.000	0.000	46.160	40.207	-28.348	MWD+IFR1+MS
13800.000	90.000	179.771	9876.880	42.799	0.000	45.343	-0.000	42.799	0.000	0.000	46.537	40.282	-26.943	MWD+IFR1+MS
13900.000	90.000	179.771	9876.880	43.420	0.000	45.788	-0.000	43.420	0.000	0.000	46.928	40.352	-25.641	MWD+IFR1+MS
14000.000	90.000	179.771	9876.880	44.046	0.000	46.242	-0.000	44.046	0.000	0.000	47.332	40.418	-24.433	MWD+IFR1+MS
14100.000	90.000	179.771	9876.880	44.677	0.000	46.705	-0.000	44.677	0.000	0.000	47.748	40.481	-23.314	MWD+IFR1+MS
14200.000	90.000	179.771	9876.880	45.313	0.000	47.175	-0.000	45.313	0.000	0.000	48.176	40.541	-22.278	MWD+IFR1+MS
14300.000	90.000	179.771	9876.880	45.953	0.000	47.652	-0.000	45.953	0.000	0.000	48.614	40.598	-21.317	MWD+IFR1+MS
14400.000	90.000	179.771	9876.880	46.598	0.000	48.137	-0.000	46.598	0.000	0.000	49.063	40.653	-20.426	MWD+IFR1+MS
14500.000	90.000	179.771	9876.880	47.247	0.000	48.630	-0.000	47.247	0.000	0.000	49.521	40.706	-19.598	MWD+IFR1+MS
14600.000	90.000	179.771	9876.880	47.900	0.000	49.129	-0.000	47.900	0.000	0.000	49.989	40.757	-18.829	MWD+IFR1+MS
14700.000	90.000	179.771	9876.880	48.557	0.000	49.635	-0.000	48.557	0.000	0.000	50.466	40.807	-18.113	MWD+IFR1+MS
14800.000	90.000	179.771	9876.880	49.218	0.000	50.148	-0.000	49.218	0.000	0.000	50.951	40.855	-17.445	MWD+IFR1+MS
14900.000	90.000	179.771	9876.880	49.882	0.000	50.667	-0.000	49.882	0.000	0.000	51.444	40.902	-16.821	MWD+IFR1+MS
15000.000	90.000	179.771	9876.880	50.550	0.000	51.192	-0.000	50.550	0.000	0.000	51.945	40.948	-16.238	MWD+IFR1+MS
15100.000	90.000	179.771	9876.880	51.221	0.000	51.723	-0.000	51.221	0.000	0.000	52.454	40.993	-15.692	MWD+IFR1+MS
15200.000	90.000	179.771	9876.880	51.896	0.000	52.260	-0.000	51.896	0.000	0.000	52.970	41.037	-15.181	MWD+IFR1+MS
15300.000	90.000	179.771	9876.880	52.573	0.000	52.803	-0.000	52.573	0.000	0.000	53.492	41.081	-14.700	MWD+IFR1+MS
15400.000	90.000	179.771	9876.880	53.253	0.000	53.351	-0.000	53.253	0.000	0.000	54.022	41.124	-14.247	MWD+IFR1+MS
15500.000	90.000	179.771	9876.880	53.937	0.000	53.904	-0.000	53.937	0.000	0.000	54.557	41.167	-13.821	MWD+IFR1+MS
15600.000	90.000	179.771	9876.880	54.622	0.000	54.463	-0.000	54.622	0.000	0.000	55.099	41.209	-13.420	MWD+IFR1+MS
15700.000	90.000	179.771	9876.880	55.311	0.000	55.027	-0.000	55.311	0.000	0.000	55.646	41.251	-13.040	MWD+IFR1+MS

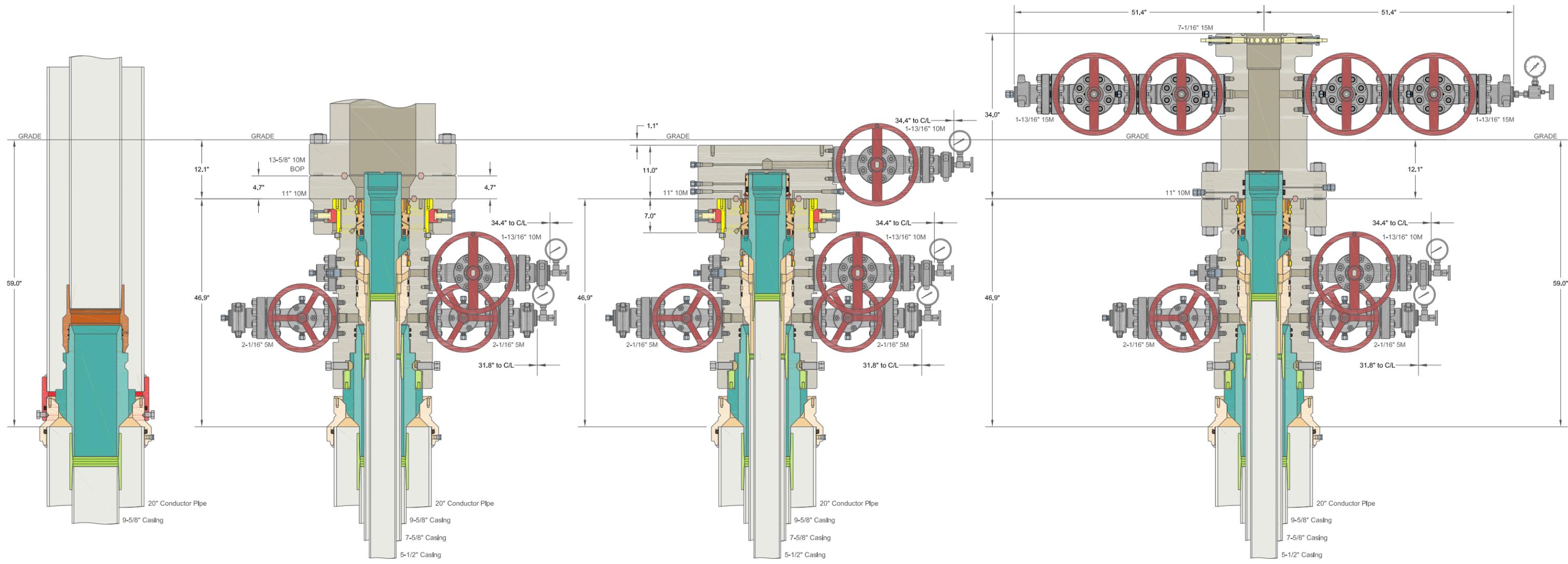
15800.000	90.000	179.771	9876.880	56.002	0.000	55.595	-0.000	56.002	0.000	0.000	56.199	41.293	-12.681	MWD+IFR1+MS
15900.000	90.000	179.771	9876.880	56.696	0.000	56.168	-0.000	56.696	0.000	0.000	56.758	41.335	-12.341	MWD+IFR1+MS
16000.000	90.000	179.771	9876.880	57.392	0.000	56.745	-0.000	57.392	0.000	0.000	57.321	41.376	-12.019	MWD+IFR1+MS
16100.000	90.000	179.771	9876.880	58.090	0.000	57.327	-0.000	58.090	0.000	0.000	57.890	41.417	-11.713	MWD+IFR1+MS
16200.000	90.000	179.771	9876.880	58.790	0.000	57.914	-0.000	58.790	0.000	0.000	58.464	41.459	-11.422	MWD+IFR1+MS
16300.000	90.000	179.771	9876.880	59.492	0.000	58.504	-0.000	59.492	0.000	0.000	59.042	41.500	-11.145	MWD+IFR1+MS
16400.000	90.000	179.771	9876.880	60.197	0.000	59.098	-0.000	60.197	0.000	0.000	59.625	41.541	-10.881	MWD+IFR1+MS
16500.000	90.000	179.771	9876.880	60.903	0.000	59.697	-0.000	60.903	0.000	0.000	60.212	41.583	-10.630	MWD+IFR1+MS
16600.000	90.000	179.771	9876.880	61.612	0.000	60.299	-0.000	61.612	0.000	0.000	60.804	41.624	-10.390	MWD+IFR1+MS
16700.000	90.000	179.771	9876.880	62.322	0.000	60.904	-0.000	62.322	0.000	0.000	61.399	41.666	-10.161	MWD+IFR1+MS
16800.000	90.000	179.771	9876.880	63.034	0.000	61.514	-0.000	63.034	0.000	0.000	61.999	41.708	-9.942	MWD+IFR1+MS
16900.000	90.000	179.771	9876.880	63.747	0.000	62.127	-0.000	63.747	0.000	0.000	62.602	41.750	-9.732	MWD+IFR1+MS
17000.000	90.000	179.771	9876.880	64.463	0.000	62.743	-0.000	64.463	0.000	0.000	63.209	41.792	-9.531	MWD+IFR1+MS
17100.000	90.000	179.771	9876.880	65.180	0.000	63.362	-0.000	65.180	0.000	0.000	63.820	41.834	-9.338	MWD+IFR1+MS
17200.000	90.000	179.771	9876.880	65.898	0.000	63.984	-0.000	65.898	0.000	0.000	64.434	41.877	-9.153	MWD+IFR1+MS
17300.000	90.000	179.771	9876.880	66.618	0.000	64.610	-0.000	66.618	0.000	0.000	65.051	41.920	-8.976	MWD+IFR1+MS
17400.000	90.000	179.771	9876.880	67.339	0.000	65.239	-0.000	67.339	0.000	0.000	65.672	41.963	-8.805	MWD+IFR1+MS
17500.000	90.000	179.771	9876.880	68.062	0.000	65.870	-0.000	68.062	0.000	0.000	66.296	42.006	-8.641	MWD+IFR1+MS
17600.000	90.000	179.771	9876.880	68.786	0.000	66.504	-0.000	68.786	0.000	0.000	66.923	42.050	-8.483	MWD+IFR1+MS
17700.000	90.000	179.771	9876.880	69.512	0.000	67.141	-0.000	69.512	0.000	0.000	67.553	42.093	-8.330	MWD+IFR1+MS
17800.000	90.000	179.771	9876.880	70.238	0.000	67.781	-0.000	70.238	0.000	0.000	68.186	42.138	-8.184	MWD+IFR1+MS
17900.000	90.000	179.771	9876.880	70.966	0.000	68.423	-0.000	70.966	0.000	0.000	68.821	42.182	-8.042	MWD+IFR1+MS
18000.000	90.000	179.771	9876.880	71.696	0.000	69.068	-0.000	71.696	0.000	0.000	69.460	42.227	-7.906	MWD+IFR1+MS
18100.000	90.000	179.771	9876.880	72.426	0.000	69.715	-0.000	72.426	0.000	0.000	70.101	42.272	-7.774	MWD+IFR1+MS
18200.000	90.000	179.771	9876.880	73.157	0.000	70.365	-0.000	73.157	0.000	0.000	70.744	42.317	-7.646	MWD+IFR1+MS
18300.000	90.000	179.771	9876.880	73.890	0.000	71.017	-0.000	73.890	0.000	0.000	71.390	42.363	-7.523	MWD+IFR1+MS
18400.000	90.000	179.771	9876.880	74.624	0.000	71.671	-0.000	74.624	0.000	0.000	72.039	42.409	-7.404	MWD+IFR1+MS
18500.000	90.000	179.771	9876.880	75.358	0.000	72.327	-0.000	75.358	0.000	0.000	72.690	42.456	-7.289	MWD+IFR1+MS
18600.000	90.000	179.771	9876.880	76.094	0.000	72.985	-0.000	76.094	0.000	0.000	73.343	42.502	-7.177	MWD+IFR1+MS
18700.000	90.000	179.771	9876.880	76.831	0.000	73.646	-0.000	76.831	0.000	0.000	73.998	42.549	-7.069	MWD+IFR1+MS
18800.000	90.000	179.771	9876.880	77.568	0.000	74.308	-0.000	77.568	0.000	0.000	74.656	42.597	-6.964	MWD+IFR1+MS
18900.000	90.000	179.771	9876.880	78.307	0.000	74.973	-0.000	78.307	0.000	0.000	75.315	42.645	-6.863	MWD+IFR1+MS
19000.000	90.000	179.771	9876.880	79.046	0.000	75.639	-0.000	79.046	0.000	0.000	75.977	42.693	-6.764	MWD+IFR1+MS

19100.000	90.000	179.771	9876.880	79.786	0.000	76.307	-0.000	79.786	0.000	0.000	76.640	42.741	-6.668	MWD+IFR1+MS
19200.000	90.000	179.771	9876.880	80.527	0.000	76.978	-0.000	80.527	0.000	0.000	77.306	42.790	-6.575	MWD+IFR1+MS
19300.000	90.000	179.771	9876.880	81.269	0.000	77.649	-0.000	81.269	0.000	0.000	77.973	42.840	-6.485	MWD+IFR1+MS
19400.000	90.000	179.771	9876.880	82.012	0.000	78.323	-0.000	82.012	0.000	0.000	78.642	42.889	-6.397	MWD+IFR1+MS
19500.000	90.000	179.771	9876.880	82.755	0.000	78.998	-0.000	82.755	0.000	0.000	79.313	42.939	-6.312	MWD+IFR1+MS
19600.000	90.000	179.771	9876.880	83.500	0.000	79.675	-0.000	83.500	0.000	0.000	79.986	42.990	-6.229	MWD+IFR1+MS
19700.000	90.000	179.771	9876.880	84.245	0.000	80.353	-0.000	84.245	0.000	0.000	80.661	43.041	-6.148	MWD+IFR1+MS
19800.000	90.000	179.771	9876.880	84.990	0.000	81.033	-0.000	84.990	0.000	0.000	81.337	43.092	-6.070	MWD+IFR1+MS
19900.000	90.000	179.771	9876.880	85.737	0.000	81.715	-0.000	85.737	0.000	0.000	82.014	43.144	-5.993	MWD+IFR1+MS
20000.000	90.000	179.771	9876.880	86.484	0.000	82.398	-0.000	86.484	0.000	0.000	82.694	43.195	-5.919	MWD+IFR1+MS
20100.000	90.000	179.771	9876.880	87.232	0.000	83.082	-0.000	87.232	0.000	0.000	83.374	43.248	-5.846	MWD+IFR1+MS
20200.000	90.000	179.771	9876.880	87.980	0.000	83.768	-0.000	87.980	0.000	0.000	84.057	43.301	-5.775	MWD+IFR1+MS
20300.000	90.000	179.771	9876.880	88.729	0.000	84.455	-0.000	88.729	0.000	0.000	84.740	43.354	-5.706	MWD+IFR1+MS
20400.000	90.000	179.771	9876.880	89.479	0.000	85.143	-0.000	89.479	0.000	0.000	85.426	43.407	-5.639	MWD+IFR1+MS
20500.000	90.000	179.771	9876.880	90.229	0.000	85.833	-0.000	90.229	0.000	0.000	86.112	43.461	-5.574	MWD+IFR1+MS
20600.000	90.000	179.771	9876.880	90.980	0.000	86.524	-0.000	90.980	0.000	0.000	86.800	43.515	-5.510	MWD+IFR1+MS
20700.000	90.000	179.771	9876.880	91.731	0.000	87.217	-0.000	91.731	0.000	0.000	87.489	43.570	-5.447	MWD+IFR1+MS
20800.000	90.000	179.771	9876.880	92.483	0.000	87.910	-0.000	92.483	0.000	0.000	88.180	43.625	-5.386	MWD+IFR1+MS
20842.653	90.000	179.771	9876.880	92.803	0.000	88.205	-0.000	92.803	0.000	0.000	88.473	43.649	-5.361	MWD+IFR1+MS
20892.877	90.000	179.771	9876.880	93.180	0.000	88.553	-0.000	93.180	0.000	0.000	88.820	43.677	-5.331	MWD+IFR1+MS

Plan Targets

POKER LAKE UNIT 13 DTD 116H

Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
FTP 3	10483.22	440556.60	653353.50	6397.88	RECTANGLE
LTP 3	20842.65	430197.30	653394.90	6397.88	RECTANGLE
BHL 3	20892.65	430147.30	653395.30	6397.88	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
		APPRV	31MAR22
		DRAWING NO.	HBE0000479

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

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

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

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

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

CONDITIONS

Action 298536

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 298536
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	All original COA's still apply.	1/19/2024