

Well Name: POKER LAKE UNIT 13 DTD	Well Location: T24S / R30E / SEC 24 / NWNW /	County or Parish/State:
Well Number: 114H	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: 2760430

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 11/08/2023	Time Sundry Submitted: 08:54
Date proposed operation will begin: 11/27/2023	

Procedure Description: XTO Energy, Inc. respectfully requests approval to make changes to the Approved APD (ID 10400089897) 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: 156' FNL & 505' FWL TO: 156' FNL & 470' FWL of Section 24-T24S-R30E FTP: FROM: 100' FNL & 990' FWL TO: 100' FNL & 730' FWL of Section 24-T24S-R30E LTP: FROM: 100' FSL & 990' FWL TO: 100' FSL & 730' FWL of Section 25-T24S-R30E BHL: FROM: 50' FSL & 990' FWL TO: 50' FSL & 730' 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_114H_Sundry_Attachments_20231214152946.pdf

Well Name: POKER LAKE UNIT 13 DTD	Well Location: T24S / R30E / SEC 24 / NWNW /	County or Parish/State:
Well Number: 114H	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
Sundry_2760430_COAs_20231226111024.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 03:30 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		7. If Unit of CA/Agreement, Name and/or No.
1. Type of Well		NMNM71016X
<input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No.
2. Name of Operator		POKER LAKE UNIT 13 DTD/114H
3a. Address		9. API Well No.
222777 SPRINGWOODS VILLAGE PKWY, SP	3b. Phone No. (include area code)	10. Field and Pool or Exploratory Area
	(817) 870-2800	WC-015 G-06 S243119C/Bone Spring
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		11. Country or Parish, State
SEC 24/T24S/R30E/NMP		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 recompleat 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 recompleation 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.)

XTO Energy, Inc. respectfully requests approval to make changes to the Approved APD (ID 10400089897) 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: 156 FNL & 505 FWL TO: 156 FNL & 470 FWL of Section 24-T24S-R30E
FTP: FROM: 100 FNL & 990 FWL TO: 100 FNL & 730 FWL of Section 24-T24S-R30E
LTP: FROM: 100 FSL & 990 FWL TO: 100 FSL & 730 FWL of Section 25-T24S-R30E
BHL: FROM: 50 FSL & 990 FWL TO: 50 FSL & 730 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)	Regulatory Analyst	
RANEL (RUSTY) KLEIN / Ph: (432) 620-6700	Title	
(Electronic Submission)	Date	12/14/2023
Signature		

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Petroleum Engineer	12/29/2023
CHRISTOPHER WALLS / Ph: (575) 234-2234 / Approved	Title	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 / 156 FNL / 505 FWL / TWSP: 24S / RANGE: 30E / SECTION: 24 / LAT: 32.21021 / LONG: -103.841337 (TVD: 0 feet, MD: 0 feet)

PPP: NWNW / 100 FNL / 990 FWL / TWSP: 24S / RANGE: 30E / SECTION: 24 / LAT: 32.210362 / LONG: -103.839768 (TVD: 10615 feet, MD: 10981 feet)

BHL: SWSW / 50 FSL / 990 FWL / TWSP: 24S / RANGE: 30E / SECTION: 25 / LAT: 32.181749 / LONG: -103.839786 (TVD: 10615 feet, MD: 21389 feet)

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO Energy Incorporated
WELL NAME & NO.:	Poker Lake Unit 13 DTD 114H
LOCATION:	Sec 24-24S-30E-NMP
COUNTY:	Eddy County, New Mexico

*Changes approved through engineering via **Sundry 2760430** 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 595 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 6330'**
 - 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
10400089897

WELL LOCATION AND ACREAGE DEDICATION PLAT

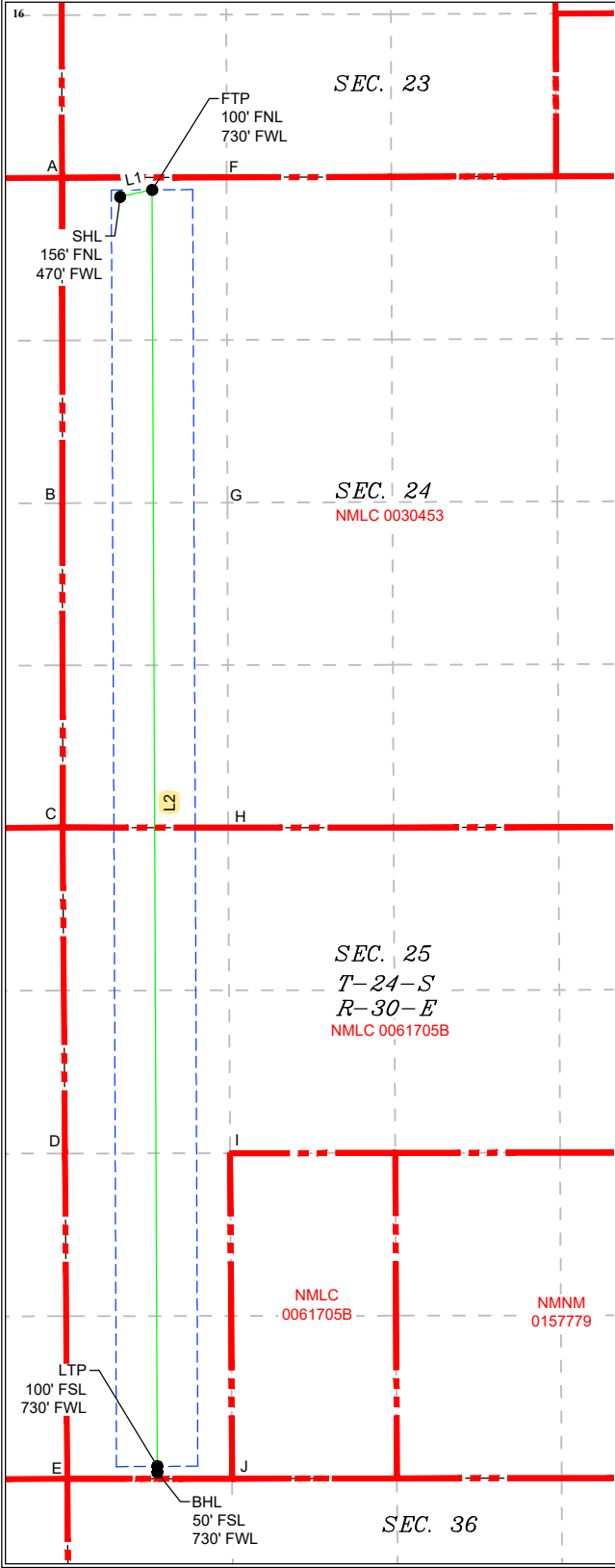
¹ API Number 30-015-	² Pool Code 97975	³ Pool Name WC-015 G-06 S243119C; Bone Spring
⁴ Property Code	⁵ Property Name POKER LAKE UNIT 13 DTD	⁶ Well Number 114H
⁷ OGRID No. 005380	⁸ Operator Name XTO Energy, Inc.	⁹ Elevation 3,447'

¹⁰ Surface Location									
UL or lot no. D	Section 24	Township 24S	Range 30E	Lot Idn	Feet from the 156	North/South line NORTH	Feet from the 470	East/West line WEST	County EDDY

¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. M	Section 25	Township 24S	Range 30E	Lot Idn	Feet from the 50	North/South line SOUTH	Feet from the 730	East/West line WEST	County 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.



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

LINE TABLE		
LINE	AZUMITH	LENGTH
L1	077°42'50"	265.88'
L2	179°46'04"	10,408.53'

COORDINATE TABLE			
SHL (NAD 83 NME)		SHL (NAD 27 NME)	
Y =	440,556.8 N	Y =	440,497.8 N
X =	693,467.5 E	X =	652,283.7 E
LAT. =	32.210211 °N	LAT. =	32.210087 °N
LONG. =	103.841450 °W	LONG. =	103.840964 °W
FTP (NAD 83 NME)		FTP (NAD 27 NME)	
Y =	440,613.4 N	Y =	440,554.4 N
X =	693,727.3 E	X =	652,543.5 E
LAT. =	32.210363 °N	LAT. =	32.210239 °N
LONG. =	103.840609 °W	LONG. =	103.840123 °W
LTP (NAD 83 NME)		LTP (NAD 27 NME)	
Y =	430,254.9 N	Y =	430,196.2 N
X =	693,769.1 E	X =	652,584.9 E
LAT. =	32.181889 °N	LAT. =	32.181765 °N
LONG. =	103.840627 °W	LONG. =	103.840143 °W
BHL (NAD 83 NME)		BHL (NAD 27 NME)	
Y =	430,204.9 N	Y =	430,146.2 N
X =	693,769.4 E	X =	652,585.3 E
LAT. =	32.181751 °N	LAT. =	32.181627 °N
LONG. =	103.840627 °W	LONG. =	103.840142 °W
CORNER COORDINATES (NAD 83 NME)			
A - Y =	440,711.4 N	A - X =	692,997.1 E
B - Y =	438,070.5 N	B - X =	693,001.3 E
C - Y =	435,439.4 N	C - X =	693,002.2 E
D - Y =	432,793.8 N	D - X =	693,020.9 E
E - Y =	430,154.0 N	E - X =	693,039.8 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 =	440,652.4 N	A - X =	651,813.3 E
B - Y =	438,011.6 N	B - X =	651,817.4 E
C - Y =	435,380.5 N	C - X =	651,818.3 E
D - Y =	432,734.9 N	D - X =	651,836.8 E
E - Y =	430,095.2 N	E - X =	651,855.6 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: Date: 10/10/2023

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 23786
Certificate Number

KC 618.013003.10-01

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

XTO Energy Inc.
Poker Lake Unit 13 DTD 114H
Projected TD: 21491.62' MD / 10606' TVD
SHL: 156' FNL & 470' FWL , Section 24, T24S, R30E
BHL: 50' FSL & 730' 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	495'	Water
Top of Salt	952'	Water
Base of Salt	3922'	Water
Delaware	4119'	Water
Brushy Canyon	6330'	Water/Oil/Gas
Bone Spring	7987'	Water
1st Bone Spring	8940'	Water/Oil/Gas
2nd Bone Spring	9778'	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	10606'	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 @ 595' (357' 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 9758.33' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 21491.62 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 9458.33 feet).

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0' – 595'	9.625	40	J-55	BTC	New	1.30	10.58	26.47
8.75	0' – 4000'	7.625	29.7	RY P-110	Flush Joint	New	2.53	2.52	1.93
8.75	4000' – 9758.33'	7.625	29.7	HC L-80	Flush Joint	New	1.84	1.88	2.37
6.75	0' – 9658.33'	5.5	20	RY P-110	Semi-Premium	New	1.26	2.01	2.18
6.75	9658.33' - 21491.62'	5.5	20	RY P-110	Semi-Flush	New	1.26	1.83	2.18

- 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 +/- 595'

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 +/- 9758.33'

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

TOC: Brushy Canyon @ 6330

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 (6330') 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 +/- 21491.62'

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft³/sx, 15.00 gal/sx water) Top of Cement: 9458.33 feet

Tail: 820 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft³/sx, 8.38 gal/sx water) Top of Cement: 9958.33 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 3733 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' - 595'	12.25	FW/Native	8.4-8.9	35-40	NC
595' - 9758.33'	8.75	FW / Cut Brine / Direct Emulsion	10.2-10.7	30-32	NC
9758.33' - 21491.62'	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 6067 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 114H

Measured Depth: 21491.62 ft

TVD RKB: 10605.52 ft

Location

Cartographic Reference System: New Mexico East - NAD 27

Northing: 440497.80 ft

Easting: 652283.70 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 114H

Plan Sections POKER LAKE UNIT 13 DTD 114H

Measured			TVD			Build	Turn	Dogleg		
Depth	Inclination	Azimuth	RKB	Y Offset	X Offset	Rate	Rate	Rate		
(ft)	(Deg)	(Deg)	(ft)	(ft)	(ft)	(Deg/100ft)	(Deg/100ft)	(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		
1702.37	10.05	18.39	1699.80	41.69	13.86	2.00	0.00	2.00		
5866.63	10.05	18.39	5800.20	731.10	243.08	0.00	0.00	0.00		
6369.01	0.00	0.00	6300.00	772.79	256.94	-2.00	0.00	2.00		
9958.33	0.00	0.00	9889.32	772.79	256.94	0.00	0.00	0.00		
11083.33	90.00	179.77	10605.52	56.60	259.80	8.00	0.00	8.00	FTP 1	
21441.61	90.00	179.77	10605.52	-10301.60	301.20	0.00	0.00	0.00	LTP 1	
21491.62	90.00	179.77	10605.52	-10351.61	301.40	0.00	0.00	0.00	BHL 1	

Position Uncertainty POKER LAKE UNIT 13 DTD 114H

Measured	TVD	Highside	Lateral	Vertical	Magnitude	Semi-major	Semi-minor	Semi-minor	Tool
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Depth	Inclination	Azimuth	RKB	Error	Bias	Error	Bias	Error	Bias	of Bias	Error	Error	Azimuth	Used
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	
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	18.391	1299.980	5.542	0.000	4.699	0.000	2.753	0.000	0.000	5.656	4.564	127.926	MWD+IFR1+MS
1400.000	4.000	18.391	1399.838	6.284	0.000	5.076	0.000	2.816	0.000	0.000	6.416	4.922	125.959	MWD+IFR1+MS
1500.000	6.000	18.391	1499.452	6.959	0.000	5.450	0.000	2.884	0.000	0.000	7.113	5.277	124.990	MWD+IFR1+MS
1600.000	8.000	18.391	1598.702	7.582	0.000	5.821	0.000	2.960	0.000	0.000	7.761	5.631	124.417	MWD+IFR1+MS
1702.374	10.047	18.391	1699.803	8.194	0.000	6.200	0.000	3.048	0.000	0.000	8.403	5.993	124.029	MWD+IFR1+MS
1800.000	10.047	18.391	1795.932	8.579	0.000	6.559	0.000	3.126	0.000	0.000	8.792	6.342	124.336	MWD+IFR1+MS
1900.000	10.047	18.391	1894.398	8.871	0.000	6.927	0.000	3.204	0.000	0.000	9.083	6.711	124.679	MWD+IFR1+MS
2000.000	10.047	18.391	1992.865	9.171	0.000	7.296	0.000	3.286	0.000	0.000	9.382	7.081	125.024	MWD+IFR1+MS
2100.000	10.047	18.391	2091.331	9.476	0.000	7.666	0.000	3.370	0.000	0.000	9.685	7.450	125.357	MWD+IFR1+MS
2200.000	10.047	18.391	2189.797	9.786	0.000	8.035	0.000	3.456	0.000	0.000	9.993	7.819	125.681	MWD+IFR1+MS
2300.000	10.047	18.391	2288.264	10.101	0.000	8.405	0.000	3.545	0.000	0.000	10.306	8.189	125.995	MWD+IFR1+MS
2400.000	10.047	18.391	2386.730	10.420	0.000	8.774	0.000	3.636	0.000	0.000	10.623	8.558	126.298	MWD+IFR1+MS
2500.000	10.047	18.391	2485.196	10.743	0.000	9.144	0.000	3.729	0.000	0.000	10.943	8.928	126.592	MWD+IFR1+MS
2600.000	10.047	18.391	2583.663	11.070	0.000	9.514	0.000	3.823	0.000	0.000	11.267	9.297	126.877	MWD+IFR1+MS
2700.000	10.047	18.391	2682.129	11.400	0.000	9.884	0.000	3.920	0.000	0.000	11.594	9.667	127.153	MWD+IFR1+MS
2800.000	10.047	18.391	2780.595	11.732	0.000	10.254	0.000	4.018	0.000	0.000	11.924	10.037	127.419	MWD+IFR1+MS
2900.000	10.047	18.391	2879.062	12.068	0.000	10.624	0.000	4.118	0.000	0.000	12.256	10.406	127.677	MWD+IFR1+MS
3000.000	10.047	18.391	2977.528	12.406	0.000	10.994	0.000	4.220	0.000	0.000	12.591	10.776	127.926	MWD+IFR1+MS

3100.000	10.047	18.391	3075.994	12.747	0.000	11.364	0.000	4.323	0.000	0.000	12.927	11.146	128.166	MWD+IFR1+MS
3200.000	10.047	18.391	3174.461	13.089	0.000	11.735	0.000	4.428	0.000	0.000	13.266	11.516	128.399	MWD+IFR1+MS
3300.000	10.047	18.391	3272.927	13.434	0.000	12.105	0.000	4.534	0.000	0.000	13.607	11.886	128.623	MWD+IFR1+MS
3400.000	10.047	18.391	3371.394	13.780	0.000	12.475	0.000	4.642	0.000	0.000	13.949	12.256	128.839	MWD+IFR1+MS
3500.000	10.047	18.391	3469.860	14.128	0.000	12.846	0.000	4.751	0.000	0.000	14.293	12.626	129.048	MWD+IFR1+MS
3600.000	10.047	18.391	3568.326	14.478	0.000	13.216	0.000	4.862	0.000	0.000	14.639	12.997	129.250	MWD+IFR1+MS
3700.000	10.047	18.391	3666.793	14.829	0.000	13.587	0.000	4.974	0.000	0.000	14.986	13.367	129.444	MWD+IFR1+MS
3800.000	10.047	18.391	3765.259	15.182	0.000	13.957	0.000	5.088	0.000	0.000	15.334	13.737	129.631	MWD+IFR1+MS
3900.000	10.047	18.391	3863.725	15.535	0.000	14.328	0.000	5.203	0.000	0.000	15.683	14.108	129.811	MWD+IFR1+MS
4000.000	10.047	18.391	3962.192	15.890	0.000	14.698	0.000	5.320	0.000	0.000	16.033	14.478	129.985	MWD+IFR1+MS
4100.000	10.047	18.391	4060.658	16.246	0.000	15.069	0.000	5.438	0.000	0.000	16.385	14.848	130.152	MWD+IFR1+MS
4200.000	10.047	18.391	4159.124	16.603	0.000	15.439	0.000	5.558	0.000	0.000	16.737	15.219	130.313	MWD+IFR1+MS
4300.000	10.047	18.391	4257.591	16.961	0.000	15.810	0.000	5.679	0.000	0.000	17.091	15.589	130.467	MWD+IFR1+MS
4400.000	10.047	18.391	4356.057	17.320	0.000	16.181	0.000	5.802	0.000	0.000	17.445	15.960	130.615	MWD+IFR1+MS
4500.000	10.047	18.391	4454.523	17.680	0.000	16.551	0.000	5.926	0.000	0.000	17.800	16.331	130.758	MWD+IFR1+MS
4600.000	10.047	18.391	4552.990	18.040	0.000	16.922	0.000	6.052	0.000	0.000	18.156	16.701	130.894	MWD+IFR1+MS
4700.000	10.047	18.391	4651.456	18.402	0.000	17.293	0.000	6.180	0.000	0.000	18.512	17.072	131.025	MWD+IFR1+MS
4800.000	10.047	18.391	4749.922	18.764	0.000	17.664	0.000	6.309	0.000	0.000	18.869	17.443	131.151	MWD+IFR1+MS
4900.000	10.047	18.391	4848.389	19.126	0.000	18.034	0.000	6.440	0.000	0.000	19.227	17.813	131.271	MWD+IFR1+MS
5000.000	10.047	18.391	4946.855	19.490	0.000	18.405	0.000	6.572	0.000	0.000	19.585	18.184	131.386	MWD+IFR1+MS
5100.000	10.047	18.391	5045.322	19.854	0.000	18.776	0.000	6.706	0.000	0.000	19.944	18.555	131.496	MWD+IFR1+MS
5200.000	10.047	18.391	5143.788	20.218	0.000	19.147	0.000	6.842	0.000	0.000	20.304	18.926	131.601	MWD+IFR1+MS
5300.000	10.047	18.391	5242.254	20.583	0.000	19.517	0.000	6.980	0.000	0.000	20.664	19.297	131.701	MWD+IFR1+MS
5400.000	10.047	18.391	5340.721	20.949	0.000	19.888	0.000	7.120	0.000	0.000	21.024	19.668	131.796	MWD+IFR1+MS
5500.000	10.047	18.391	5439.187	21.315	0.000	20.259	0.000	7.261	0.000	0.000	21.385	20.039	131.887	MWD+IFR1+MS
5600.000	10.047	18.391	5537.653	21.681	0.000	20.630	0.000	7.404	0.000	0.000	21.747	20.410	131.973	MWD+IFR1+MS
5700.000	10.047	18.391	5636.120	22.048	0.000	21.001	0.000	7.549	0.000	0.000	22.109	20.781	132.054	MWD+IFR1+MS
5800.000	10.047	18.391	5734.586	22.415	0.000	21.371	0.000	7.696	0.000	0.000	22.471	21.152	132.132	MWD+IFR1+MS
5866.633	10.047	18.391	5800.197	22.658	0.000	21.615	0.000	7.795	0.000	0.000	22.707	21.398	132.093	MWD+IFR1+MS
5900.000	9.380	18.391	5833.085	22.787	0.000	21.736	0.000	7.845	0.000	0.000	22.825	21.521	132.043	MWD+IFR1+MS
6000.000	7.380	18.391	5932.013	23.205	0.000	22.099	0.000	7.996	0.000	0.000	23.224	21.888	131.519	MWD+IFR1+MS
6100.000	5.380	18.391	6031.388	23.654	0.000	22.462	0.000	8.147	0.000	0.000	23.685	22.251	130.655	MWD+IFR1+MS
6200.000	3.380	18.391	6131.091	24.067	0.000	22.821	0.000	8.292	0.000	0.000	24.138	22.609	129.928	MWD+IFR1+MS

6300.000	1.380	18.391	6231.000	24.445	0.000	23.174	0.000	8.433	0.000	0.000	24.584	22.960	129.319	MWD+IFR1+MS
6369.007	0.000	0.000	6300.000	24.208	0.000	23.863	0.000	8.529	0.000	0.000	24.843	23.201	128.944	MWD+IFR1+MS
6400.000	0.000	0.000	6330.993	24.312	0.000	23.967	0.000	8.571	0.000	0.000	24.944	23.308	128.903	MWD+IFR1+MS
6500.000	0.000	0.000	6430.993	24.646	0.000	24.302	0.000	8.710	0.000	0.000	25.271	23.652	128.860	MWD+IFR1+MS
6600.000	0.000	0.000	6530.993	24.986	0.000	24.643	0.000	8.852	0.000	0.000	25.607	23.997	128.848	MWD+IFR1+MS
6700.000	0.000	0.000	6630.993	25.325	0.000	24.984	0.000	8.996	0.000	0.000	25.943	24.342	128.837	MWD+IFR1+MS
6800.000	0.000	0.000	6730.993	25.666	0.000	25.325	0.000	9.143	0.000	0.000	26.280	24.687	128.826	MWD+IFR1+MS
6900.000	0.000	0.000	6830.993	26.006	0.000	25.667	0.000	9.292	0.000	0.000	26.617	25.033	128.816	MWD+IFR1+MS
7000.000	0.000	0.000	6930.993	26.348	0.000	26.010	0.000	9.444	0.000	0.000	26.956	25.379	128.805	MWD+IFR1+MS
7100.000	0.000	0.000	7030.993	26.689	0.000	26.352	0.000	9.599	0.000	0.000	27.294	25.725	128.795	MWD+IFR1+MS
7200.000	0.000	0.000	7130.993	27.031	0.000	26.696	0.000	9.757	0.000	0.000	27.633	26.072	128.784	MWD+IFR1+MS
7300.000	0.000	0.000	7230.993	27.374	0.000	27.039	0.000	9.917	0.000	0.000	27.973	26.419	128.774	MWD+IFR1+MS
7400.000	0.000	0.000	7330.993	27.717	0.000	27.383	0.000	10.080	0.000	0.000	28.313	26.767	128.764	MWD+IFR1+MS
7500.000	0.000	0.000	7430.993	28.060	0.000	27.728	0.000	10.246	0.000	0.000	28.653	27.114	128.754	MWD+IFR1+MS
7600.000	0.000	0.000	7530.993	28.404	0.000	28.072	0.000	10.415	0.000	0.000	28.994	27.462	128.745	MWD+IFR1+MS
7700.000	0.000	0.000	7630.993	28.748	0.000	28.417	0.000	10.586	0.000	0.000	29.336	27.811	128.735	MWD+IFR1+MS
7800.000	0.000	0.000	7730.993	29.093	0.000	28.763	0.000	10.760	0.000	0.000	29.677	28.159	128.726	MWD+IFR1+MS
7900.000	0.000	0.000	7830.993	29.437	0.000	29.109	0.000	10.937	0.000	0.000	30.019	28.508	128.717	MWD+IFR1+MS
8000.000	0.000	0.000	7930.993	29.782	0.000	29.455	0.000	11.117	0.000	0.000	30.362	28.857	128.708	MWD+IFR1+MS
8100.000	0.000	0.000	8030.993	30.128	0.000	29.801	0.000	11.300	0.000	0.000	30.705	29.206	128.699	MWD+IFR1+MS
8200.000	0.000	0.000	8130.993	30.474	0.000	30.147	0.000	11.486	0.000	0.000	31.048	29.555	128.690	MWD+IFR1+MS
8300.000	0.000	0.000	8230.993	30.820	0.000	30.494	0.000	11.675	0.000	0.000	31.392	29.905	128.681	MWD+IFR1+MS
8400.000	0.000	0.000	8330.993	31.166	0.000	30.841	0.000	11.866	0.000	0.000	31.736	30.255	128.673	MWD+IFR1+MS
8500.000	0.000	0.000	8430.993	31.512	0.000	31.189	0.000	12.061	0.000	0.000	32.080	30.605	128.664	MWD+IFR1+MS
8600.000	0.000	0.000	8530.993	31.859	0.000	31.537	0.000	12.258	0.000	0.000	32.424	30.955	128.656	MWD+IFR1+MS
8700.000	0.000	0.000	8630.993	32.206	0.000	31.884	0.000	12.459	0.000	0.000	32.769	31.306	128.648	MWD+IFR1+MS
8800.000	0.000	0.000	8730.993	32.554	0.000	32.233	0.000	12.662	0.000	0.000	33.114	31.656	128.640	MWD+IFR1+MS
8900.000	0.000	0.000	8830.993	32.901	0.000	32.581	0.000	12.868	0.000	0.000	33.460	32.007	128.632	MWD+IFR1+MS
9000.000	0.000	0.000	8930.993	33.249	0.000	32.929	0.000	13.078	0.000	0.000	33.805	32.358	128.624	MWD+IFR1+MS
9100.000	0.000	0.000	9030.993	33.597	0.000	33.278	0.000	13.290	0.000	0.000	34.151	32.709	128.616	MWD+IFR1+MS
9200.000	0.000	0.000	9130.993	33.945	0.000	33.627	0.000	13.506	0.000	0.000	34.497	33.060	128.609	MWD+IFR1+MS
9300.000	0.000	0.000	9230.993	34.294	0.000	33.976	0.000	13.724	0.000	0.000	34.844	33.412	128.601	MWD+IFR1+MS
9400.000	0.000	0.000	9330.993	34.642	0.000	34.326	0.000	13.946	0.000	0.000	35.191	33.763	128.594	MWD+IFR1+MS

9500.000	0.000	0.000	9430.993	34.991	0.000	34.675	0.000	14.170	0.000	0.000	35.538	34.115	128.586	MWD+IFR1+MS
9600.000	0.000	0.000	9530.993	35.340	0.000	35.025	0.000	14.398	0.000	0.000	35.885	34.467	128.579	MWD+IFR1+MS
9700.000	0.000	0.000	9630.993	35.689	0.000	35.375	0.000	14.628	0.000	0.000	36.232	34.819	128.572	MWD+IFR1+MS
9800.000	0.000	0.000	9730.993	36.039	0.000	35.725	0.000	14.862	0.000	0.000	36.580	35.171	128.565	MWD+IFR1+MS
9900.000	0.000	0.000	9830.993	36.388	0.000	36.075	0.000	15.098	0.000	0.000	36.927	35.523	128.558	MWD+IFR1+MS
9958.330	0.000	0.000	9889.323	36.590	0.000	36.278	0.000	15.238	0.000	0.000	37.127	35.729	128.537	MWD+IFR1+MS
10000.000	3.334	179.771	9930.970	36.526	0.000	36.419	-0.000	15.337	0.000	0.000	37.264	35.870	128.393	MWD+IFR1+MS
10100.000	11.334	179.771	10030.071	36.519	0.000	36.721	-0.000	15.601	0.000	0.000	37.972	36.320	119.028	MWD+IFR1+MS
10200.000	19.334	179.771	10126.433	36.525	0.000	37.005	-0.000	16.006	0.000	0.000	39.150	36.730	109.190	MWD+IFR1+MS
10300.000	27.334	179.771	10218.180	36.004	0.000	37.265	-0.000	16.616	0.000	0.000	40.240	37.037	104.953	MWD+IFR1+MS
10400.000	35.334	179.771	10303.526	35.032	0.000	37.499	-0.000	17.475	0.000	0.000	41.171	37.290	102.865	MWD+IFR1+MS
10500.000	43.334	179.771	10380.810	33.715	0.000	37.705	-0.000	18.592	0.000	0.000	41.922	37.503	101.781	MWD+IFR1+MS
10600.000	51.334	179.771	10448.528	32.190	0.000	37.882	-0.000	19.947	0.000	0.000	42.491	37.680	101.254	MWD+IFR1+MS
10700.000	59.334	179.771	10505.361	30.631	0.000	38.031	-0.000	21.492	0.000	0.000	42.888	37.823	101.078	MWD+IFR1+MS
10800.000	67.334	179.771	10550.204	29.244	0.000	38.149	-0.000	23.172	0.000	0.000	43.136	37.934	101.133	MWD+IFR1+MS
10900.000	75.334	179.771	10582.184	28.256	0.000	38.239	-0.000	24.924	0.000	0.000	43.266	38.014	101.332	MWD+IFR1+MS
11000.000	83.334	179.771	10600.678	27.876	0.000	38.299	-0.000	26.688	0.000	0.000	43.315	38.064	101.585	MWD+IFR1+MS
11083.330	90.000	179.771	10605.520	27.739	0.000	38.324	-0.000	27.739	0.000	0.000	43.325	38.083	101.751	MWD+IFR1+MS
11100.000	90.000	179.771	10605.520	27.773	0.000	38.326	-0.000	27.773	0.000	0.000	43.326	38.085	101.776	MWD+IFR1+MS
11200.000	90.000	179.771	10605.520	27.945	0.000	38.354	-0.000	27.945	0.000	0.000	43.335	38.105	101.958	MWD+IFR1+MS
11300.000	90.000	179.771	10605.520	28.142	0.000	38.399	-0.000	28.142	0.000	0.000	43.345	38.144	102.179	MWD+IFR1+MS
11400.000	90.000	179.771	10605.520	28.359	0.000	38.460	-0.000	28.359	0.000	0.000	43.356	38.196	102.434	MWD+IFR1+MS
11500.000	90.000	179.771	10605.520	28.596	0.000	38.536	-0.000	28.596	0.000	0.000	43.368	38.263	102.728	MWD+IFR1+MS
11600.000	90.000	179.771	10605.520	28.852	0.000	38.627	-0.000	28.852	0.000	0.000	43.382	38.344	103.061	MWD+IFR1+MS
11700.000	90.000	179.771	10605.520	29.127	0.000	38.733	-0.000	29.127	0.000	0.000	43.398	38.439	103.439	MWD+IFR1+MS
11800.000	90.000	179.771	10605.520	29.421	0.000	38.853	-0.000	29.421	0.000	0.000	43.415	38.548	103.867	MWD+IFR1+MS
11900.000	90.000	179.771	10605.520	29.732	0.000	38.989	-0.000	29.732	0.000	0.000	43.434	38.670	104.349	MWD+IFR1+MS
12000.000	90.000	179.771	10605.520	30.061	0.000	39.139	-0.000	30.061	0.000	0.000	43.455	38.804	104.893	MWD+IFR1+MS
12100.000	90.000	179.771	10605.520	30.407	0.000	39.303	-0.000	30.407	0.000	0.000	43.479	38.952	105.506	MWD+IFR1+MS
12200.000	90.000	179.771	10605.520	30.768	0.000	39.481	-0.000	30.768	0.000	0.000	43.505	39.112	106.199	MWD+IFR1+MS
12300.000	90.000	179.771	10605.520	31.145	0.000	39.673	-0.000	31.145	0.000	0.000	43.534	39.283	106.983	MWD+IFR1+MS
12400.000	90.000	179.771	10605.520	31.537	0.000	39.879	-0.000	31.537	0.000	0.000	43.567	39.465	107.872	MWD+IFR1+MS
12500.000	90.000	179.771	10605.520	31.944	0.000	40.099	-0.000	31.944	0.000	0.000	43.603	39.657	108.882	MWD+IFR1+MS

12600.000	90.000	179.771	10605.520	32.365	0.000	40.332	-0.000	32.365	0.000	0.000	43.644	39.859	110.034	MWD+IFR1+MS
12700.000	90.000	179.771	10605.520	32.799	0.000	40.578	-0.000	32.799	0.000	0.000	43.691	40.069	111.350	MWD+IFR1+MS
12800.000	90.000	179.771	10605.520	33.245	0.000	40.837	-0.000	33.245	0.000	0.000	43.744	40.286	112.858	MWD+IFR1+MS
12900.000	90.000	179.771	10605.520	33.705	0.000	41.108	-0.000	33.705	0.000	0.000	43.804	40.508	114.588	MWD+IFR1+MS
13000.000	90.000	179.771	10605.520	34.176	0.000	41.392	-0.000	34.176	0.000	0.000	43.875	40.734	116.573	MWD+IFR1+MS
13100.000	90.000	179.771	10605.520	34.658	0.000	41.688	-0.000	34.658	0.000	0.000	43.956	40.962	118.844	MWD+IFR1+MS
13200.000	90.000	179.771	10605.520	35.151	0.000	41.996	-0.000	35.151	0.000	0.000	44.051	41.188	121.429	MWD+IFR1+MS
13300.000	90.000	179.771	10605.520	35.655	0.000	42.315	-0.000	35.655	0.000	0.000	44.163	41.409	124.342	MWD+IFR1+MS
13400.000	90.000	179.771	10605.520	36.169	0.000	42.646	-0.000	36.169	0.000	0.000	44.295	41.623	127.572	MWD+IFR1+MS
13500.000	90.000	179.771	10605.520	36.692	0.000	42.988	-0.000	36.692	0.000	0.000	44.449	41.825	131.075	MWD+IFR1+MS
13600.000	90.000	179.771	10605.520	37.225	0.000	43.341	-0.000	37.225	0.000	0.000	44.629	42.014	134.765	MWD+IFR1+MS
13700.000	90.000	179.771	10605.520	37.766	0.000	43.704	-0.000	37.766	0.000	0.000	44.836	42.186	-41.474	MWD+IFR1+MS
13800.000	90.000	179.771	10605.520	38.316	0.000	44.078	-0.000	38.316	0.000	0.000	45.072	42.340	-37.772	MWD+IFR1+MS
13900.000	90.000	179.771	10605.520	38.874	0.000	44.461	-0.000	38.874	0.000	0.000	45.337	42.477	-34.249	MWD+IFR1+MS
14000.000	90.000	179.771	10605.520	39.439	0.000	44.855	-0.000	39.439	0.000	0.000	45.628	42.597	-30.991	MWD+IFR1+MS
14100.000	90.000	179.771	10605.520	40.012	0.000	45.258	-0.000	40.012	0.000	0.000	45.944	42.703	-28.046	MWD+IFR1+MS
14200.000	90.000	179.771	10605.520	40.592	0.000	45.670	-0.000	40.592	0.000	0.000	46.282	42.795	-25.426	MWD+IFR1+MS
14300.000	90.000	179.771	10605.520	41.179	0.000	46.091	-0.000	41.179	0.000	0.000	46.640	42.878	-23.118	MWD+IFR1+MS
14400.000	90.000	179.771	10605.520	41.772	0.000	46.521	-0.000	41.772	0.000	0.000	47.017	42.951	-21.096	MWD+IFR1+MS
14500.000	90.000	179.771	10605.520	42.372	0.000	46.959	-0.000	42.372	0.000	0.000	47.410	43.017	-19.327	MWD+IFR1+MS
14600.000	90.000	179.771	10605.520	42.977	0.000	47.406	-0.000	42.977	0.000	0.000	47.818	43.078	-17.780	MWD+IFR1+MS
14700.000	90.000	179.771	10605.520	43.589	0.000	47.861	-0.000	43.589	0.000	0.000	48.239	43.134	-16.423	MWD+IFR1+MS
14800.000	90.000	179.771	10605.520	44.205	0.000	48.324	-0.000	44.205	0.000	0.000	48.672	43.186	-15.229	MWD+IFR1+MS
14900.000	90.000	179.771	10605.520	44.827	0.000	48.794	-0.000	44.827	0.000	0.000	49.117	43.234	-14.173	MWD+IFR1+MS
15000.000	90.000	179.771	10605.520	45.454	0.000	49.272	-0.000	45.454	0.000	0.000	49.572	43.281	-13.237	MWD+IFR1+MS
15100.000	90.000	179.771	10605.520	46.086	0.000	49.757	-0.000	46.086	0.000	0.000	50.036	43.325	-12.403	MWD+IFR1+MS
15200.000	90.000	179.771	10605.520	46.723	0.000	50.249	-0.000	46.723	0.000	0.000	50.510	43.368	-11.657	MWD+IFR1+MS
15300.000	90.000	179.771	10605.520	47.364	0.000	50.748	-0.000	47.364	0.000	0.000	50.993	43.409	-10.986	MWD+IFR1+MS
15400.000	90.000	179.771	10605.520	48.009	0.000	51.253	-0.000	48.009	0.000	0.000	51.484	43.449	-10.381	MWD+IFR1+MS
15500.000	90.000	179.771	10605.520	48.658	0.000	51.765	-0.000	48.658	0.000	0.000	51.982	43.489	-9.833	MWD+IFR1+MS
15600.000	90.000	179.771	10605.520	49.311	0.000	52.283	-0.000	49.311	0.000	0.000	52.488	43.527	-9.335	MWD+IFR1+MS
15700.000	90.000	179.771	10605.520	49.968	0.000	52.806	-0.000	49.968	0.000	0.000	53.001	43.565	-8.881	MWD+IFR1+MS
15800.000	90.000	179.771	10605.520	50.629	0.000	53.336	-0.000	50.629	0.000	0.000	53.521	43.603	-8.466	MWD+IFR1+MS

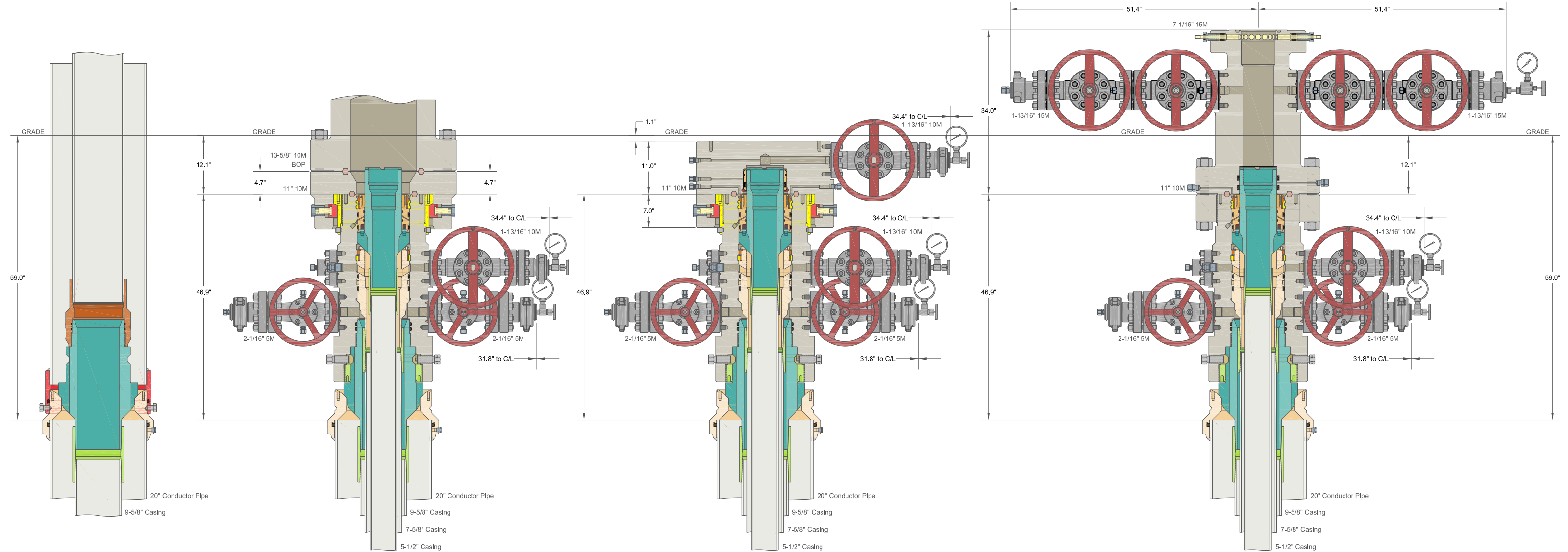
15900.000	90.000	179.771	10605.520	51.293	0.000	53.871	-0.000	51.293	0.000	0.000	54.047	43.641	-8.084	MWD+IFR1+MS
16000.000	90.000	179.771	10605.520	51.961	0.000	54.412	-0.000	51.961	0.000	0.000	54.580	43.678	-7.733	MWD+IFR1+MS
16100.000	90.000	179.771	10605.520	52.632	0.000	54.959	-0.000	52.632	0.000	0.000	55.119	43.715	-7.409	MWD+IFR1+MS
16200.000	90.000	179.771	10605.520	53.306	0.000	55.510	-0.000	53.306	0.000	0.000	55.663	43.753	-7.109	MWD+IFR1+MS
16300.000	90.000	179.771	10605.520	53.982	0.000	56.066	-0.000	53.982	0.000	0.000	56.213	43.790	-6.830	MWD+IFR1+MS
16400.000	90.000	179.771	10605.520	54.662	0.000	56.628	-0.000	54.662	0.000	0.000	56.768	43.827	-6.571	MWD+IFR1+MS
16500.000	90.000	179.771	10605.520	55.345	0.000	57.194	-0.000	55.345	0.000	0.000	57.328	43.865	-6.330	MWD+IFR1+MS
16600.000	90.000	179.771	10605.520	56.030	0.000	57.764	-0.000	56.030	0.000	0.000	57.893	43.902	-6.105	MWD+IFR1+MS
16700.000	90.000	179.771	10605.520	56.718	0.000	58.339	-0.000	56.718	0.000	0.000	58.464	43.940	-5.894	MWD+IFR1+MS
16800.000	90.000	179.771	10605.520	57.408	0.000	58.919	-0.000	57.408	0.000	0.000	59.038	43.978	-5.697	MWD+IFR1+MS
16900.000	90.000	179.771	10605.520	58.101	0.000	59.503	-0.000	58.101	0.000	0.000	59.618	44.016	-5.511	MWD+IFR1+MS
17000.000	90.000	179.771	10605.520	58.796	0.000	60.090	-0.000	58.796	0.000	0.000	60.201	44.055	-5.337	MWD+IFR1+MS
17100.000	90.000	179.771	10605.520	59.493	0.000	60.682	-0.000	59.493	0.000	0.000	60.789	44.093	-5.173	MWD+IFR1+MS
17200.000	90.000	179.771	10605.520	60.192	0.000	61.277	-0.000	60.192	0.000	0.000	61.381	44.132	-5.018	MWD+IFR1+MS
17300.000	90.000	179.771	10605.520	60.894	0.000	61.877	-0.000	60.894	0.000	0.000	61.977	44.172	-4.871	MWD+IFR1+MS
17400.000	90.000	179.771	10605.520	61.597	0.000	62.480	-0.000	61.597	0.000	0.000	62.576	44.212	-4.732	MWD+IFR1+MS
17500.000	90.000	179.771	10605.520	62.303	0.000	63.086	-0.000	62.303	0.000	0.000	63.180	44.252	-4.601	MWD+IFR1+MS
17600.000	90.000	179.771	10605.520	63.010	0.000	63.696	-0.000	63.010	0.000	0.000	63.786	44.292	-4.477	MWD+IFR1+MS
17700.000	90.000	179.771	10605.520	63.719	0.000	64.309	-0.000	63.719	0.000	0.000	64.397	44.333	-4.359	MWD+IFR1+MS
17800.000	90.000	179.771	10605.520	64.430	0.000	64.925	-0.000	64.430	0.000	0.000	65.011	44.374	-4.246	MWD+IFR1+MS
17900.000	90.000	179.771	10605.520	65.143	0.000	65.545	-0.000	65.143	0.000	0.000	65.628	44.416	-4.139	MWD+IFR1+MS
18000.000	90.000	179.771	10605.520	65.857	0.000	66.167	-0.000	65.857	0.000	0.000	66.248	44.458	-4.037	MWD+IFR1+MS
18100.000	90.000	179.771	10605.520	66.573	0.000	66.793	-0.000	66.573	0.000	0.000	66.871	44.500	-3.940	MWD+IFR1+MS
18200.000	90.000	179.771	10605.520	67.290	0.000	67.421	-0.000	67.290	0.000	0.000	67.497	44.543	-3.847	MWD+IFR1+MS
18300.000	90.000	179.771	10605.520	68.009	0.000	68.053	-0.000	68.009	0.000	0.000	68.126	44.586	-3.759	MWD+IFR1+MS
18400.000	90.000	179.771	10605.520	68.729	0.000	68.687	-0.000	68.729	0.000	0.000	68.758	44.630	-3.674	MWD+IFR1+MS
18500.000	90.000	179.771	10605.520	69.451	0.000	69.323	-0.000	69.451	0.000	0.000	69.393	44.674	-3.593	MWD+IFR1+MS
18600.000	90.000	179.771	10605.520	70.174	0.000	69.962	-0.000	70.174	0.000	0.000	70.031	44.718	-3.515	MWD+IFR1+MS
18700.000	90.000	179.771	10605.520	70.898	0.000	70.604	-0.000	70.898	0.000	0.000	70.671	44.763	-3.440	MWD+IFR1+MS
18800.000	90.000	179.771	10605.520	71.624	0.000	71.248	-0.000	71.624	0.000	0.000	71.313	44.808	-3.369	MWD+IFR1+MS
18900.000	90.000	179.771	10605.520	72.351	0.000	71.895	-0.000	72.351	0.000	0.000	71.958	44.854	-3.300	MWD+IFR1+MS
19000.000	90.000	179.771	10605.520	73.079	0.000	72.544	-0.000	73.079	0.000	0.000	72.605	44.900	-3.234	MWD+IFR1+MS
19100.000	90.000	179.771	10605.520	73.808	0.000	73.195	-0.000	73.808	0.000	0.000	73.255	44.947	-3.171	MWD+IFR1+MS

19200.000	90.000	179.771	10605.520	74.538	0.000	73.848	-0.000	74.538	0.000	0.000	73.907	44.994	-3.110	MWD+IFR1+MS
19300.000	90.000	179.771	10605.520	75.270	0.000	74.503	-0.000	75.270	0.000	0.000	74.561	45.041	-3.051	MWD+IFR1+MS
19400.000	90.000	179.771	10605.520	76.002	0.000	75.161	-0.000	76.002	0.000	0.000	75.217	45.089	-2.995	MWD+IFR1+MS
19500.000	90.000	179.771	10605.520	76.736	0.000	75.821	-0.000	76.736	0.000	0.000	75.875	45.137	-2.940	MWD+IFR1+MS
19600.000	90.000	179.771	10605.520	77.470	0.000	76.482	-0.000	77.470	0.000	0.000	76.536	45.186	-2.887	MWD+IFR1+MS
19700.000	90.000	179.771	10605.520	78.206	0.000	77.145	-0.000	78.206	0.000	0.000	77.198	45.235	-2.837	MWD+IFR1+MS
19800.000	90.000	179.771	10605.520	78.942	0.000	77.811	-0.000	78.942	0.000	0.000	77.862	45.285	-2.788	MWD+IFR1+MS
19900.000	90.000	179.771	10605.520	79.680	0.000	78.478	-0.000	79.680	0.000	0.000	78.528	45.335	-2.740	MWD+IFR1+MS
20000.000	90.000	179.771	10605.520	80.418	0.000	79.147	-0.000	80.418	0.000	0.000	79.196	45.386	-2.695	MWD+IFR1+MS
20100.000	90.000	179.771	10605.520	81.157	0.000	79.817	-0.000	81.157	0.000	0.000	79.866	45.437	-2.650	MWD+IFR1+MS
20200.000	90.000	179.771	10605.520	81.897	0.000	80.490	-0.000	81.897	0.000	0.000	80.537	45.488	-2.608	MWD+IFR1+MS
20300.000	90.000	179.771	10605.520	82.638	0.000	81.164	-0.000	82.638	0.000	0.000	81.210	45.540	-2.566	MWD+IFR1+MS
20400.000	90.000	179.771	10605.520	83.380	0.000	81.839	-0.000	83.380	0.000	0.000	81.885	45.593	-2.526	MWD+IFR1+MS
20500.000	90.000	179.771	10605.520	84.122	0.000	82.516	-0.000	84.122	0.000	0.000	82.561	45.645	-2.487	MWD+IFR1+MS
20600.000	90.000	179.771	10605.520	84.865	0.000	83.195	-0.000	84.865	0.000	0.000	83.239	45.699	-2.449	MWD+IFR1+MS
20700.000	90.000	179.771	10605.520	85.609	0.000	83.875	-0.000	85.609	0.000	0.000	83.918	45.752	-2.413	MWD+IFR1+MS
20800.000	90.000	179.771	10605.520	86.354	0.000	84.557	-0.000	86.354	0.000	0.000	84.599	45.806	-2.377	MWD+IFR1+MS
20900.000	90.000	179.771	10605.520	87.099	0.000	85.240	-0.000	87.099	0.000	0.000	85.281	45.861	-2.343	MWD+IFR1+MS
21000.000	90.000	179.771	10605.520	87.845	0.000	85.924	-0.000	87.845	0.000	0.000	85.965	45.916	-2.310	MWD+IFR1+MS
21100.000	90.000	179.771	10605.520	88.592	0.000	86.610	-0.000	88.592	0.000	0.000	86.650	45.971	-2.277	MWD+IFR1+MS
21200.000	90.000	179.771	10605.520	89.339	0.000	87.297	-0.000	89.339	0.000	0.000	87.336	46.027	-2.246	MWD+IFR1+MS
21300.000	90.000	179.771	10605.520	90.087	0.000	87.986	-0.000	90.087	0.000	0.000	88.024	46.084	-2.215	MWD+IFR1+MS
21400.000	90.000	179.771	10605.520	90.836	0.000	88.675	-0.000	90.836	0.000	0.000	88.713	46.140	-2.185	MWD+IFR1+MS
21441.612	90.000	179.771	10605.520	91.147	0.000	88.962	-0.000	91.147	0.000	0.000	88.999	46.164	-2.173	MWD+IFR1+MS
21491.619	90.000	179.771	10605.520	91.521	0.000	89.306	-0.000	91.521	0.000	0.000	89.343	46.193	-2.159	MWD+IFR1+MS

Plan Targets

POKER LAKE UNIT 13 DTD 114H

Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
FTP 1	11083.28	440554.40	652543.50	7126.52	RECTANGLE
LTP 1	21441.61	430196.20	652584.90	7126.52	RECTANGLE
BHL 1	21491.61	430146.20	652585.30	7126.52	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 298534

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 298534
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	All original COA's still apply.	1/8/2024