

<b>Well Name:</b> POKER LAKE UNIT 29-20 BS	<b>Well Location:</b> T25S / R31E / SEC 29 / NWNW /	<b>County or Parish/State:</b>
<b>Well Number:</b> 151H	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMLC061634A	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b> NMNM71016X
<b>US Well Number:</b> 3001554265	<b>Well Status:</b> Approved Application for Permit to Drill	<b>Operator:</b> XTO PERMIAN OPERATING LLC

### Notice of Intent

**Sundry ID:** 2765094

**Type of Submission:** Notice of Intent

**Type of Action:** APD Change

**Date Sundry Submitted:** 12/07/2023

**Time Sundry Submitted:** 02:56

**Date proposed operation will begin:** 01/05/2024

**Procedure Description:** Pool Change, First and Last Take Point Changes, Bottom Hole Location Change, Drilling Plan Change, Directional Plan Change, Casing/Cement Change. POOL: FROM: (98220) Purple Sage; Wolfcamp (gas) TO: WC; Big Sinks; Bone Spring (96654) SHL: Fr/ 530' FNL & 1115' FWL To: 531' FNL & 1605' FWL of Sec 29-T25S-31E FTP: FROM: 2310' FNL & 680' FEL TO: 2115' FNL & 1645' FWL of Section 28-T25S-R31E PPP1: 0' FNL & 531' FEL LTP: FROM: 100' FSL & 680' FEL TO: 2570' FSL & 545' FWL of Section 16-T25S-R31E BHL: FROM: 50' FNL & 680' FEL TO: 2660' FSL & 545' FWL of Section 16-T25S-R31E 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

Poker\_Lake\_Unit\_29\_20\_BS\_151H\_Sundry\_Attachments\_20231207145534.pdf

Well Name: POKER LAKE UNIT 29-20 BS	Well Location: T25S / R31E / SEC 29 / NWNW /	County or Parish/State:
Well Number: 151H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMLC061634A	Unit or CA Name:	Unit or CA Number: NMNM71016X
US Well Number: 3001554265	Well Status: Approved Application for Permit to Drill	Operator: XTO PERMIAN OPERATING LLC

### Conditions of Approval

#### Additional

Sec\_29\_25S\_31E\_NMP\_Sundry\_2765094\_Poker\_Lake\_Unit\_29\_20\_BS\_151H\_COAs\_20240126091803.pdf

### Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

**Operator Electronic Signature:** CASSIE EVANS

**Signed on:** FEB 02, 2024 02:14 PM

**Name:** XTO PERMIAN OPERATING LLC

**Title:** Regulatory Analyst

**Street Address:** 6401 Holiday Hill Road, Bldg 5

**City:** Midland

**State:** TX

**Phone:** (432) 218-3671

**Email address:** CASSIE.EVANS@EXXONMOBIL.COM

### Field

**Representative Name:**

**Street Address:**

**City:**

**State:**

**Zip:**

**Phone:**

**Email address:**

### BLM Point of Contact

**BLM POC Name:** CHRISTOPHER WALLS

**BLM POC Title:** Petroleum Engineer

**BLM POC Phone:** 5752342234

**BLM POC Email Address:** cwalls@blm.gov

**Disposition:** Approved

**Disposition Date:** 02/09/2024

**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.	NMLC061634A
6. If Indian, Allottee or Tribe Name	

<b>SUBMIT IN TRIPLICATE - Other instructions on page 2</b>		7. If Unit of CA/Agreement, Name and/or No.
1. Type of Well		NMNM71016X
<input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No.
2. Name of Operator		POKER LAKE UNIT 29-20 BS/151H
XTO PERMIAN OPERATING LLC		9. API Well No.
3a. Address 6401 HOLIDAY HILL ROAD BLDG 5, MIDLAND,		3001554265
3b. Phone No. (include area code)		10. Field and Pool or Exploratory Area
(432) 683-2277		WC-025 G-08 S213304D/WOLFCAMP (GAS)
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		11. Country or Parish, State
SEC 29/T25S/R31E/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 recompleate 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.)

Pool Change, First and Last Take Point Changes, Bottom Hole Location Change, Drilling Plan Change, Directional Plan Change, Casing/Cement Change.

POOL: FROM: (98220) Purple Sage; Wolfcamp (gas) TO: WC; Big Sinks; Bone Spring (96654)  
SHL: Fr/ 530' FNL & 1115' FWL To: 531' FNL & 1605' FWL of Sec 29-T25S-31E  
FTP: FROM: 2310 FNL & 680 FEL TO: 2115 FNL & 1645 FWL of Section 28-T25S-R31E  
PPP1: 0 FNL & 531 FEL  
LTP: FROM: 100 FSL & 680 FEL TO: 2570 FSL & 545 FWL of Section 16-T25S-R31E  
BHL: FROM: 50 FNL & 680 FEL TO: 2660 FSL & 545 FWL of Section 16-T25S-R31E

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.

Continued on page 3 additional information

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)	Title
CASSIE EVANS / Ph: (432) 218-3671	Regulatory Analyst
Signature (Electronic Submission)	Date
	02/02/2024

<b>THE SPACE FOR FEDERAL OR STATE OFFICE USE</b>		
Approved by	Petroleum Engineer	Date
CHRISTOPHER WALLS / Ph: (575) 234-2234 / Approved		02/09/2024
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**

Casing/Cement design per the attached drilling program.

Attachments:

C102

Drilling Program

Directional Plan

MBS

**Location of Well**

0. SHL: NWNW / 530 FNL / 1115 FWL / TWSP: 25S / RANGE: 31E / SECTION: 29 / LAT: 32.107095 / LONG: -103.805237 ( TVD: 0 feet, MD: 0 feet )

PPP: SWNW / 2310 FNL / 680 FWL / TWSP: 25S / RANGE: 31E / SECTION: 29 / LAT: 32.102201 / LONG: -103.806689 ( TVD: 12454 feet, MD: 13075 feet )

BHL: NWNW / 50 FNL / 680 FWL / TWSP: 25S / RANGE: 31E / SECTION: 20 / LAT: 32.123019 / LONG: -103.806501 ( TVD: 12454 feet, MD: 20648 feet )

## PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

<b>OPERATOR'S NAME:</b>	XTO Permian Operating LLC
<b>WELL NAME &amp; NO.:</b>	Poker Lake Unit 29-20 BS 151H
<b>LOCATION:</b>	Sec 29-25S-31E-NMP
<b>COUNTY:</b>	Eddy County, New Mexico

*Changes approved through engineering via **Sundry 2765094** on 01/26/2024. Any previous COAs not addressed within the updated COAs still apply.*

### COA

<b>H<sub>2</sub>S</b>	<input checked="" type="radio"/> No	<input type="radio"/> Yes		
<b>Potash / WIPP</b>	<input checked="" type="radio"/> None	<input type="radio"/> Secretary	<input type="radio"/> R-111-P	<input type="checkbox"/> WIPP
<b>Cave / Karst</b>	<input type="radio"/> Low	<input checked="" type="radio"/> Medium	<input type="radio"/> High	<input type="radio"/> Critical
<b>Wellhead</b>	<input type="radio"/> Conventional	<input checked="" type="radio"/> Multibowl	<input type="radio"/> Both	<input type="radio"/> Diverter
<b>Cementing</b>	<input type="checkbox"/> Primary Squeeze	<input checked="" type="checkbox"/> Cont. Squeeze	<input checked="" type="checkbox"/> EchoMeter	<input type="checkbox"/> DV Tool
<b>Special Req</b>	<input checked="" type="checkbox"/> Break Testing	<input type="checkbox"/> Water Disposal	<input type="checkbox"/> COM	<input checked="" type="checkbox"/> Unit
<b>Variance</b>	<input checked="" type="checkbox"/> Flex Hose	<input checked="" type="checkbox"/> Casing Clearance	<input type="checkbox"/> Pilot Hole	<input type="checkbox"/> Capitan Reef
<b>Variance</b>	<input type="checkbox"/> Four-String	<input checked="" type="checkbox"/> Offline Cementing	<input type="checkbox"/> Fluid-Filled	<input type="checkbox"/> Open Annulus
<input type="checkbox"/> <b>Batch APD / Sundry</b>				

### A. HYDROGEN SULFIDE

Hydrogen Sulfide (H<sub>2</sub>S) monitors shall be installed prior to drilling out the surface shoe. If H<sub>2</sub>S is detected in concentrations greater than 100 ppm, the Hydrogen Sulfide area shall meet 43 CFR 3176 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.

### B. CASING

1. The **9-5/8** inch surface casing shall be set at approximately 866 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. **NOTE: This area has a high dissolution of salt, so the operator may need to make adjustments to their surface set depths to find a competent set point.**
  - 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 6879'**
  - 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. Operator must use a limited flush fluid volume of 1 bbl following backside cementing procedures.**

3. The minimum required fill of cement behind the **5-1/2** inch production casing is:
- Cement should tie-back at least **300 feet** into previous casing string (due to not meeting the 0.422" clearance requirement.) 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. (This is not necessary for secondary recovery unit wells)

**(Note: For a minimum 5M BOPE or less (Utilizing a 10M BOPE system))**

##### **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:

- Spudding well (minimum of 24 hours)
  - Setting and/or Cementing of all casing strings (minimum of 4 hours)
  - BOPE tests (minimum of 4 hours)
    - **Eddy County (API No. / US Well No. contains 30-015-#####)**  
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 (API No. / US Well No. contains 30-025-#####)**  
Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240,  
(575) 689-5981
- 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.
    - 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).
    - 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 2<sup>nd</sup> 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.
  - 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

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-015-54265	<sup>2</sup> Pool Code 96654	<sup>3</sup> Pool Name WC; Big Sinks; Bone Spring
<sup>4</sup> Property Code	<sup>5</sup> Property Name POKER LAKE UNIT 29-20 BS	<sup>6</sup> Well Number 151H
<sup>7</sup> OGRID No. 373075	<sup>8</sup> Operator Name XTO Permian Operating, LLC.	<sup>9</sup> Elevation 3,365'

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	29	25 S	31 E		531	NORTH	1,605	WEST	EDDY

<sup>11</sup> 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
L	16	25 S	31 E		2,663	SOUTH	545	WEST	EDDY

<sup>12</sup> Dedicated Acres 320	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
--------------------------------------	-------------------------------	----------------------------------	-------------------------

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.

<p><b>16</b></p> <p><b>LEGEND</b></p> <ul style="list-style-type: none"> <li>SECTION LINE</li> <li>PROPOSED WELLBORE</li> <li>NEW MEXICO MINERAL LEASE</li> <li>330' BOX</li> <li>DEDICATED ACREAGE BOX</li> </ul> <p><b>GRID AZ=359°38'19"</b> HORIZ. DIST.=99.00'</p> <p><b>GRID AZ=359°56'24"</b> HORIZ. DIST.=9,974.63'</p> <p><b>GRID AZ=110°08'43"</b> HORIZ. DIST.=4,522.60'</p> <p><b>SHL (NAD83 NME)</b> Y = 403,100.5 X = 705,341.6 LAT. = 32.107095 °N LONG. = 103.803654 °W</p> <p><b>LTP (NAD83 NME)</b> Y = 411,517.6 X = 709,577.0 LAT. = 32.130174 °N LONG. = 103.789839 °W</p> <p><b>FTP (NAD83 NME)</b> Y = 401,543.0 X = 709,587.5 LAT. = 32.102755 °N LONG. = 103.789967 °W</p> <p><b>BHL (NAD83 NME)</b> Y = 411,616.6 X = 709,576.4 LAT. = 32.130446 °N LONG. = 103.789839 °W</p> <p><b>CORNER COORDINATES (NAD83 NME)</b></p> <table border="1"> <tr><td>A - Y = 401,001.6 N</td><td>X = 709,043.1 E</td></tr> <tr><td>B - Y = 403,655.9 N</td><td>X = 709,040.0 E</td></tr> <tr><td>C - Y = 406,301.5 N</td><td>X = 709,045.9 E</td></tr> <tr><td>D - Y = 408,951.2 N</td><td>X = 709,048.2 E</td></tr> <tr><td>E - Y = 411,616.9 N</td><td>X = 709,031.4 E</td></tr> <tr><td>F - Y = 401,008.0 N</td><td>X = 710,375.2 E</td></tr> <tr><td>G - Y = 403,661.0 N</td><td>X = 710,377.1 E</td></tr> <tr><td>H - Y = 406,306.5 N</td><td>X = 710,371.6 E</td></tr> <tr><td>I - Y = 408,957.3 N</td><td>X = 710,364.2 E</td></tr> <tr><td>J - Y = 411,618.6 N</td><td>X = 710,357.4 E</td></tr> </table> <p><b>SHL (NAD27 NME)</b> Y = 403,042.6 X = 664,156.0 LAT. = 32.106971 °N LONG. = 103.803176 °W</p> <p><b>LTP (NAD27 NME)</b> Y = 411,459.4 X = 668,392.0 LAT. = 32.130050 °N LONG. = 103.789358 °W</p> <p><b>FTP (NAD27 NME)</b> Y = 401,485.1 X = 668,401.8 LAT. = 32.102631 °N LONG. = 103.789489 °W</p> <p><b>BHL (NAD27 NME)</b> Y = 411,558.4 X = 668,391.4 LAT. = 32.130322 °N LONG. = 103.789359 °W</p> <p><b>CORNER COORDINATES (NAD27 NME)</b></p> <table border="1"> <tr><td>A - Y = 400,943.7 N</td><td>X = 667,857.4 E</td></tr> <tr><td>B - Y = 403,598.0 N</td><td>X = 667,854.4 E</td></tr> <tr><td>C - Y = 406,243.5 N</td><td>X = 667,860.4 E</td></tr> <tr><td>D - Y = 408,893.2 N</td><td>X = 667,862.8 E</td></tr> <tr><td>E - Y = 411,558.7 N</td><td>X = 667,846.4 E</td></tr> <tr><td>F - Y = 400,950.1 N</td><td>X = 669,189.5 E</td></tr> <tr><td>G - Y = 403,603.0 N</td><td>X = 669,191.5 E</td></tr> <tr><td>H - Y = 406,248.5 N</td><td>X = 669,186.1 E</td></tr> <tr><td>I - Y = 408,899.2 N</td><td>X = 669,178.8 E</td></tr> <tr><td>J - Y = 411,560.5 N</td><td>X = 669,172.3 E</td></tr> </table> <p><b>PPP1 (NAD83 NME)</b> Y = 408,953.7 X = 709,579.7 LAT. = 32.123126 °N LONG. = 103.789872 °W</p> <p><b>PPP1 (NAD27 NME)</b> Y = 408,895.3 X = 668,394.3 LAT. = 32.123002 °N LONG. = 103.789393 °W</p> <p><b>SHL (NAD83 NME)</b> Y = 403,100.5 X = 705,341.6 LAT. = 32.107095 °N LONG. = 103.803654 °W</p> <p><b>LTP (NAD83 NME)</b> Y = 411,517.6 X = 709,577.0 LAT. = 32.130174 °N LONG. = 103.789839 °W</p> <p><b>FTP (NAD83 NME)</b> Y = 401,543.0 X = 709,587.5 LAT. = 32.102755 °N LONG. = 103.789967 °W</p> <p><b>BHL (NAD83 NME)</b> Y = 411,616.6 X = 709,576.4 LAT. = 32.130446 °N LONG. = 103.789839 °W</p> <p><b>CORNER COORDINATES (NAD83 NME)</b></p> <table border="1"> <tr><td>A - Y = 401,001.6 N</td><td>X = 709,043.1 E</td></tr> <tr><td>B - Y = 403,655.9 N</td><td>X = 709,040.0 E</td></tr> <tr><td>C - Y = 406,301.5 N</td><td>X = 709,045.9 E</td></tr> <tr><td>D - Y = 408,951.2 N</td><td>X = 709,048.2 E</td></tr> <tr><td>E - Y = 411,616.9 N</td><td>X = 709,031.4 E</td></tr> <tr><td>F - Y = 401,008.0 N</td><td>X = 710,375.2 E</td></tr> <tr><td>G - Y = 403,661.0 N</td><td>X = 710,377.1 E</td></tr> <tr><td>H - Y = 406,306.5 N</td><td>X = 710,371.6 E</td></tr> <tr><td>I - Y = 408,957.3 N</td><td>X = 710,364.2 E</td></tr> <tr><td>J - Y = 411,618.6 N</td><td>X = 710,357.4 E</td></tr> </table> <p><b>SHL (NAD27 NME)</b> Y = 403,042.6 X = 664,156.0 LAT. = 32.106971 °N LONG. = 103.803176 °W</p> <p><b>LTP (NAD27 NME)</b> Y = 411,459.4 X = 668,392.0 LAT. = 32.130050 °N LONG. = 103.789358 °W</p> <p><b>FTP (NAD27 NME)</b> Y = 401,485.1 X = 668,401.8 LAT. = 32.102631 °N LONG. = 103.789489 °W</p> <p><b>BHL (NAD27 NME)</b> Y = 411,558.4 X = 668,391.4 LAT. = 32.130322 °N LONG. = 103.789359 °W</p> <p><b>CORNER COORDINATES (NAD27 NME)</b></p> <table border="1"> <tr><td>A - Y = 400,943.7 N</td><td>X = 667,857.4 E</td></tr> <tr><td>B - Y = 403,598.0 N</td><td>X = 667,854.4 E</td></tr> <tr><td>C - Y = 406,243.5 N</td><td>X = 667,860.4 E</td></tr> <tr><td>D - Y = 408,893.2 N</td><td>X = 667,862.8 E</td></tr> <tr><td>E - Y = 411,558.7 N</td><td>X = 667,846.4 E</td></tr> <tr><td>F - Y = 400,950.1 N</td><td>X = 669,189.5 E</td></tr> <tr><td>G - Y = 403,603.0 N</td><td>X = 669,191.5 E</td></tr> <tr><td>H - Y = 406,248.5 N</td><td>X = 669,186.1 E</td></tr> <tr><td>I - Y = 408,899.2 N</td><td>X = 669,178.8 E</td></tr> <tr><td>J - Y = 411,560.5 N</td><td>X = 669,172.3 E</td></tr> </table> <p><b>PPP1 (NAD83 NME)</b> Y = 408,953.7 X = 709,579.7 LAT. = 32.123126 °N LONG. = 103.789872 °W</p> <p><b>PPP1 (NAD27 NME)</b> Y = 408,895.3 X = 668,394.3 LAT. = 32.123002 °N LONG. = 103.789393 °W</p> <p><b>SHL (NAD83 NME)</b> Y = 403,100.5 X = 705,341.6 LAT. = 32.107095 °N LONG. = 103.803654 °W</p> <p><b>LTP (NAD83 NME)</b> Y = 411,517.6 X = 709,577.0 LAT. = 32.130174 °N LONG. = 103.789839 °W</p> <p><b>FTP (NAD83 NME)</b> Y = 401,543.0 X = 709,587.5 LAT. = 32.102755 °N LONG. = 103.789967 °W</p> <p><b>BHL (NAD83 NME)</b> Y = 411,616.6 X = 709,576.4 LAT. = 32.130446 °N LONG. = 103.789839 °W</p> <p><b>CORNER COORDINATES (NAD83 NME)</b></p> <table border="1"> <tr><td>A - Y = 401,001.6 N</td><td>X = 709,043.1 E</td></tr> <tr><td>B - Y = 403,655.9 N</td><td>X = 709,040.0 E</td></tr> <tr><td>C - Y = 406,301.5 N</td><td>X = 709,045.9 E</td></tr> <tr><td>D - Y = 408,951.2 N</td><td>X = 709,048.2 E</td></tr> <tr><td>E - Y = 411,616.9 N</td><td>X = 709,031.4 E</td></tr> <tr><td>F - Y = 401,008.0 N</td><td>X = 710,375.2 E</td></tr> <tr><td>G - Y = 403,661.0 N</td><td>X = 710,377.1 E</td></tr> <tr><td>H - Y = 406,306.5 N</td><td>X = 710,371.6 E</td></tr> <tr><td>I - Y = 408,957.3 N</td><td>X = 710,364.2 E</td></tr> <tr><td>J - Y = 411,618.6 N</td><td>X = 710,357.4 E</td></tr> </table> <p><b>SHL (NAD27 NME)</b> Y = 403,042.6 X = 664,156.0 LAT. = 32.106971 °N LONG. = 103.803176 °W</p> <p><b>LTP (NAD27 NME)</b> Y = 411,459.4 X = 668,392.0 LAT. = 32.130050 °N LONG. = 103.789358 °W</p> <p><b>FTP (NAD27 NME)</b> Y = 401,485.1 X = 668,401.8 LAT. = 32.102631 °N LONG. = 103.789489 °W</p> <p><b>BHL (NAD27 NME)</b> Y = 411,558.4 X = 668,391.4 LAT. = 32.130322 °N LONG. = 103.789359 °W</p> <p><b>CORNER COORDINATES (NAD27 NME)</b></p> <table border="1"> <tr><td>A - Y = 400,943.7 N</td><td>X = 667,857.4 E</td></tr> <tr><td>B - Y = 403,598.0 N</td><td>X = 667,854.4 E</td></tr> <tr><td>C - Y = 406,243.5 N</td><td>X = 667,860.4 E</td></tr> <tr><td>D - Y = 408,893.2 N</td><td>X = 667,862.8 E</td></tr> <tr><td>E - Y = 411,558.7 N</td><td>X = 667,846.4 E</td></tr> <tr><td>F - Y = 400,950.1 N</td><td>X = 669,189.5 E</td></tr> <tr><td>G - Y = 403,603.0 N</td><td>X = 669,191.5 E</td></tr> <tr><td>H - Y = 406,248.5 N</td><td>X = 669,186.1 E</td></tr> <tr><td>I - Y = 408,899.2 N</td><td>X = 669,178.8 E</td></tr> <tr><td>J - Y = 411,560.5 N</td><td>X = 669,172.3 E</td></tr> </table> <p><b>PPP1 (NAD83 NME)</b> Y = 408,953.7 X = 709,579.7 LAT. = 32.123126 °N LONG. = 103.789872 °W</p> <p><b>PPP1 (NAD27 NME)</b> Y = 408,895.3 X = 668,394.3 LAT. = 32.123002 °N LONG. = 103.789393 °W</p> <p><b>SHL (NAD83 NME)</b> Y = 403,100.5 X = 705,341.6 LAT. = 32.107095 °N LONG. = 103.803654 °W</p> <p><b>LTP (NAD83 NME)</b> Y = 411,517.6 X = 709,577.0 LAT. = 32.130174 °N LONG. = 103.789839 °W</p> <p><b>FTP (NAD83 NME)</b> Y = 401,543.0 X = 709,587.5 LAT. = 32.102755 °N LONG. = 103.789967 °W</p> <p><b>BHL (NAD83 NME)</b> Y = 411,616.6 X = 709,576.4 LAT. = 32.130446 °N LONG. = 103.789839 °W</p> <p><b>CORNER COORDINATES (NAD83 NME)</b></p> <table border="1"> <tr><td>A - Y = 401,001.6 N</td><td>X = 709,043.1 E</td></tr> <tr><td>B - Y = 403,655.9 N</td><td>X = 709,040.0 E</td></tr> <tr><td>C - Y = 406,301.5 N</td><td>X = 709,045.9 E</td></tr> <tr><td>D - Y = 408,951.2 N</td><td>X = 709,048.2 E</td></tr> <tr><td>E - Y = 411,616.9 N</td><td>X = 709,031.4 E</td></tr> <tr><td>F - Y = 401,008.0 N</td><td>X = 710,375.2 E</td></tr> <tr><td>G - Y = 403,661.0 N</td><td>X = 710,377.1 E</td></tr> <tr><td>H - Y = 406,306.5 N</td><td>X = 710,371.6 E</td></tr> <tr><td>I - Y = 408,957.3 N</td><td>X = 710,364.2 E</td></tr> <tr><td>J - Y = 411,618.6 N</td><td>X = 710,357.4 E</td></tr> </table> <p><b>SHL (NAD27 NME)</b> Y = 403,042.6 X = 664,156.0 LAT. = 32.106971 °N LONG. = 103.803176 °W</p> <p><b>LTP (NAD27 NME)</b> Y = 411,459.4 X = 668,392.0 LAT. = 32.130050 °N LONG. = 103.789358 °W</p> <p><b>FTP (NAD27 NME)</b> Y = 401,485.1 X = 668,401.8 LAT. = 32.102631 °N LONG. = 103.789489 °W</p> <p><b>BHL (NAD27 NME)</b> Y = 411,558.4 X = 668,391.4 LAT. = 32.130322 °N LONG. = 103.789359 °W</p> <p><b>CORNER COORDINATES (NAD27 NME)</b></p> <table border="1"> <tr><td>A - Y = 400,943.7 N</td><td>X = 667,857.4 E</td></tr> <tr><td>B - Y = 403,598.0 N</td><td>X = 667,854.4 E</td></tr> <tr><td>C - Y = 406,243.5 N</td><td>X = 667,860.4 E</td></tr> <tr><td>D - Y = 408,893.2 N</td><td>X = 667,862.8 E</td></tr> <tr><td>E - Y = 411,558.7 N</td><td>X = 667,846.4 E</td></tr> <tr><td>F - Y = 400,950.1 N</td><td>X = 669,189.5 E</td></tr> <tr><td>G - Y = 403,603.0 N</td><td>X = 669,191.5 E</td></tr> <tr><td>H - Y = 406,248.5 N</td><td>X = 669,186.1 E</td></tr> <tr><td>I - Y = 408,899.2 N</td><td>X = 669,178.8 E</td></tr> <tr><td>J - Y = 411,560.5 N</td><td>X = 669,172.3 E</td></tr> </table> <p><b>PPP1 (NAD83 NME)</b> Y = 408,953.7 X = 709,579.7 LAT. = 32.123126 °N LONG. = 103.789872 °W</p> <p><b>PPP1 (NAD27 NME)</b> Y = 408,895.3 X = 668,394.3 LAT. = 32.123002 °N LONG. = 103.789393 °W</p> <p><b>SHL (NAD83 NME)</b> Y = 403,100.5 X = 705,341.6 LAT. = 32.107095 °N LONG. = 103.803654 °W</p> <p><b>LTP (NAD83 NME)</b> Y = 411,517.6 X = 709,577.0 LAT. = 32.130174 °N LONG. = 103.789839 °W</p> <p><b>FTP (NAD83 NME)</b> Y = 401,543.0 X = 709,587.5 LAT. = 32.102755 °N LONG. = 103.789967 °W</p> <p><b>BHL (NAD83 NME)</b> Y = 411,616.6 X = 709,576.4 LAT. = 32.130446 °N LONG. = 103.789839 °W</p> <p><b>CORNER COORDINATES (NAD83 NME)</b></p> <table border="1"> <tr><td>A - Y = 401,001.6 N</td><td>X = 709,043.1 E</td></tr> <tr><td>B - Y = 403,655.9 N</td><td>X = 709,040.0 E</td></tr> <tr><td>C - Y = 406,301.5 N</td><td>X = 709,045.9 E</td></tr> <tr><td>D - Y = 408,951.2 N</td><td>X = 709,048.2 E</td></tr> <tr><td>E - Y = 411,616.9 N</td><td>X = 709,031.4 E</td></tr> <tr><td>F - Y = 401,008.0 N</td><td>X = 710,375.2 E</td></tr> <tr><td>G - Y = 403,661.0 N</td><td>X = 710,377.1 E</td></tr> <tr><td>H - Y = 406,306.5 N</td><td>X = 710,371.6 E</td></tr> <tr><td>I - Y = 408,957.3 N</td><td>X = 710,364.2 E</td></tr> <tr><td>J - Y = 411,618.6 N</td><td>X = 710,357.4 E</td></tr> </table> <p><b>SHL (NAD27 NME)</b> Y = 403,042.6 X = 664,156.0 LAT. = 32.106971 °N LONG. = 103.803176 °W</p> <p><b>LTP (NAD27 NME)</b> Y = 411,459.4 X = 668,392.0 LAT. = 32.130050 °N LONG. = 103.789358 °W</p> <p><b>FTP (NAD27 NME)</b> Y = 401,485.1 X = 668,401.8 LAT. = 32.102631 °N LONG. = 103.789489 °W</p> <p><b>BHL (NAD27 NME)</b> Y = 411,558.4 X = 668,391.4 LAT. = 32.130322 °N LONG. = 103.789359 °W</p> <p><b>CORNER COORDINATES (NAD27 NME)</b></p> <table border="1"> <tr><td>A - Y = 400,943.7 N</td><td>X = 667,857.4 E</td></tr> <tr><td>B - Y = 403,598.0 N</td><td>X = 667,854.4 E</td></tr> <tr><td>C - Y = 406,243.5 N</td><td>X = 667,860.4 E</td></tr> <tr><td>D - Y = 408,893.2 N</td><td>X = 667,862.8 E</td></tr> <tr><td>E - Y = 411,558.7 N</td><td>X = 667,846.4 E</td></tr> <tr><td>F - Y = 400,950.1 N</td><td>X = 669,189.5 E</td></tr> <tr><td>G - Y = 403,603.0 N</td><td>X = 669,191.5 E</td></tr> <tr><td>H - Y = 406,248.5 N</td><td>X = 669,186.1 E</td></tr> <tr><td>I - Y = 408,899.2 N</td><td>X = 669,178.8 E</td></tr> <tr><td>J - Y = 411,560.5 N</td><td>X = 669,172.3 E</td></tr> </table> <p><b>PPP1 (NAD83 NME)</b> Y = 408,953.7 X = 709,579.7 LAT. = 32.123126 °N LONG. = 103.789872 °W</p> <p><b>PPP1 (NAD27 NME)</b> Y = 408,895.3 X = 668,394.3 LAT. = 32.123002 °N LONG. = 103.789393 °W</p> <p><b>SHL (NAD83 NME)</b> Y = 403,100.5 X = 705,341.6 LAT. = 32.107095 °N LONG. = 103.803654 °W</p> <p><b>LTP (NAD83 NME)</b> Y = 411,517.6 X = 709,577.0 LAT. = 32.130174 °N LONG. = 103.789839 °W</p> <p><b>FTP (NAD83 NME)</b> Y = 401,543.0 X = 709,587.5 LAT. = 32.102755 °N LONG. = 103.789967 °W</p> <p><b>BHL (NAD83 NME)</b> Y = 411,616.6 X = 709,576.4 LAT. = 32.130446 °N LONG. = 103.789839 °W</p> <p><b>CORNER COORDINATES (NAD83 NME)</b></p> <table border="1"> <tr><td>A - Y = 401,001.6 N</td><td>X = 709,043.1 E</td></tr> <tr><td>B - Y = 403,655.9 N</td><td>X = 709,040.0 E</td></tr> <tr><td>C - Y = 406,301.5 N</td><td>X = 709,045.9 E</td></tr> <tr><td>D - Y = 408,951.2 N</td><td>X = 709,048.2 E</td></tr> <tr><td>E - Y = 411,616.9 N</td><td>X = 709,031.4 E</td></tr> <tr><td>F - Y = 401,008.0 N</td><td>X = 710,375.2 E</td></tr> <tr><td>G - Y = 403,661.0 N</td><td>X = 710,377.1 E</td></tr> <tr><td>H - Y = 406,306.5 N</td><td>X = 710,371.6 E</td></tr> <tr><td>I - Y = 408,957.3 N</td><td>X = 710,364.2 E</td></tr> <tr><td>J - Y = 411,618.6 N</td><td>X = 710,357.4 E</td></tr> </table> <p><b>SHL (NAD27 NME)</b> Y = 403,042.6 X = 664,156.0 LAT. = 32.106971 °N LONG. = 103.803176 °W</p> <p><b>LTP (NAD27 NME)</b> Y = 411,459.4 X = 668,392.0 LAT. = 32.130050 °N LONG. = 103.789358 °W</p> <p><b>FTP (NAD27 NME)</b> Y = 401,485.1 X = 668,401.8 LAT. = 32.102631 °N LONG. = 103.789489 °W</p> <p><b>BHL (NAD27 NME)</b> Y = 411,558.4 X = 668,391.4 LAT. = 32.130322 °N LONG. = 103.789359 °W</p> <p><b>CORNER COORDINATES (NAD27 NME)</b></p> <table border="1"> <tr><td>A - Y = 400,943.7 N</td><td>X = 667,857.4 E</td></tr> <tr><td>B - Y = 403,598.0 N</td><td>X = 667,854.4 E</td></tr> <tr><td>C - Y = 406,243.5 N</td><td>X = 667,860.4 E</td></tr> <tr><td>D - Y = 408,893.2 N</td><td>X = 667,862.8 E</td></tr> <tr><td>E - Y = 411,558.7 N</td><td>X = 667,846.4 E</td></tr> <tr><td>F - Y = 400,950.1 N</td><td>X = 669,189.5 E</td></tr> <tr><td>G - Y = 403,603.0 N</td><td>X = 669,191.5 E</td></tr> <tr><td>H - Y = 406,248.5 N</td><td>X = 669,186.1 E</td></tr> <tr><td>I - Y = 408,899.2 N</td><td>X = 669,178.8 E</td></tr> <tr><td>J - Y = 411,560.5 N</td><td>X = 669,172.3 E</td></tr> </table> <p><b>PPP1 (NAD83 NME)</b> Y = 408,953.7 X = 709,579.7 LAT. = 32.123126 °N LONG. = 103.789872 °W</p> <p><b>PPP1 (NAD27 NME)</b> Y = 408,895.3 X = 668,394.3 LAT. = 32.123002 °N LONG. = 103.789393 °W</p> <p><b>SHL (NAD83 NME)</b> Y = 403,100.5 X = 705,341.6 LAT. = 32.107095 °N LONG. = 103.803654 °W</p> <p><b>LTP (NAD83 NME)</b> Y = 411,517.6 X = 709,577.0 LAT. = 32.130174 °N LONG. = 103.789839 °W</p> <p><b>FTP (NAD83 NME)</b> Y = 401,543.0 X = 709,587.5 LAT. = 32.102755 °N LONG. = 103.789967</p>	A - Y = 401,001.6 N	X = 709,043.1 E	B - Y = 403,655.9 N	X = 709,040.0 E	C - Y = 406,301.5 N	X = 709,045.9 E	D - Y = 408,951.2 N	X = 709,048.2 E	E - Y = 411,616.9 N	X = 709,031.4 E	F - Y = 401,008.0 N	X = 710,375.2 E	G - Y = 403,661.0 N	X = 710,377.1 E	H - Y = 406,306.5 N	X = 710,371.6 E	I - Y = 408,957.3 N	X = 710,364.2 E	J - Y = 411,618.6 N	X = 710,357.4 E	A - Y = 400,943.7 N	X = 667,857.4 E	B - Y = 403,598.0 N	X = 667,854.4 E	C - Y = 406,243.5 N	X = 667,860.4 E	D - Y = 408,893.2 N	X = 667,862.8 E	E - Y = 411,558.7 N	X = 667,846.4 E	F - Y = 400,950.1 N	X = 669,189.5 E	G - Y = 403,603.0 N	X = 669,191.5 E	H - Y = 406,248.5 N	X = 669,186.1 E	I - Y = 408,899.2 N	X = 669,178.8 E	J - Y = 411,560.5 N	X = 669,172.3 E	A - Y = 401,001.6 N	X = 709,043.1 E	B - Y = 403,655.9 N	X = 709,040.0 E	C - Y = 406,301.5 N	X = 709,045.9 E	D - Y = 408,951.2 N	X = 709,048.2 E	E - Y = 411,616.9 N	X = 709,031.4 E	F - Y = 401,008.0 N	X = 710,375.2 E	G - Y = 403,661.0 N	X = 710,377.1 E	H - Y = 406,306.5 N	X = 710,371.6 E	I - Y = 408,957.3 N	X = 710,364.2 E	J - Y = 411,618.6 N	X = 710,357.4 E	A - Y = 400,943.7 N	X = 667,857.4 E	B - Y = 403,598.0 N	X = 667,854.4 E	C - Y = 406,243.5 N	X = 667,860.4 E	D - Y = 408,893.2 N	X = 667,862.8 E	E - Y = 411,558.7 N	X = 667,846.4 E	F - Y = 400,950.1 N	X = 669,189.5 E	G - Y = 403,603.0 N	X = 669,191.5 E	H - Y = 406,248.5 N	X = 669,186.1 E	I - Y = 408,899.2 N	X = 669,178.8 E	J - Y = 411,560.5 N	X = 669,172.3 E	A - Y = 401,001.6 N	X = 709,043.1 E	B - Y = 403,655.9 N	X = 709,040.0 E	C - Y = 406,301.5 N	X = 709,045.9 E	D - Y = 408,951.2 N	X = 709,048.2 E	E - Y = 411,616.9 N	X = 709,031.4 E	F - Y = 401,008.0 N	X = 710,375.2 E	G - Y = 403,661.0 N	X = 710,377.1 E	H - Y = 406,306.5 N	X = 710,371.6 E	I - Y = 408,957.3 N	X = 710,364.2 E	J - Y = 411,618.6 N	X = 710,357.4 E	A - Y = 400,943.7 N	X = 667,857.4 E	B - Y = 403,598.0 N	X = 667,854.4 E	C - Y = 406,243.5 N	X = 667,860.4 E	D - Y = 408,893.2 N	X = 667,862.8 E	E - Y = 411,558.7 N	X = 667,846.4 E	F - Y = 400,950.1 N	X = 669,189.5 E	G - Y = 403,603.0 N	X = 669,191.5 E	H - Y = 406,248.5 N	X = 669,186.1 E	I - Y = 408,899.2 N	X = 669,178.8 E	J - Y = 411,560.5 N	X = 669,172.3 E	A - Y = 401,001.6 N	X = 709,043.1 E	B - Y = 403,655.9 N	X = 709,040.0 E	C - Y = 406,301.5 N	X = 709,045.9 E	D - Y = 408,951.2 N	X = 709,048.2 E	E - Y = 411,616.9 N	X = 709,031.4 E	F - Y = 401,008.0 N	X = 710,375.2 E	G - Y = 403,661.0 N	X = 710,377.1 E	H - Y = 406,306.5 N	X = 710,371.6 E	I - Y = 408,957.3 N	X = 710,364.2 E	J - Y = 411,618.6 N	X = 710,357.4 E	A - Y = 400,943.7 N	X = 667,857.4 E	B - Y = 403,598.0 N	X = 667,854.4 E	C - Y = 406,243.5 N	X = 667,860.4 E	D - Y = 408,893.2 N	X = 667,862.8 E	E - Y = 411,558.7 N	X = 667,846.4 E	F - Y = 400,950.1 N	X = 669,189.5 E	G - Y = 403,603.0 N	X = 669,191.5 E	H - Y = 406,248.5 N	X = 669,186.1 E	I - Y = 408,899.2 N	X = 669,178.8 E	J - Y = 411,560.5 N	X = 669,172.3 E	A - Y = 401,001.6 N	X = 709,043.1 E	B - Y = 403,655.9 N	X = 709,040.0 E	C - Y = 406,301.5 N	X = 709,045.9 E	D - Y = 408,951.2 N	X = 709,048.2 E	E - Y = 411,616.9 N	X = 709,031.4 E	F - Y = 401,008.0 N	X = 710,375.2 E	G - Y = 403,661.0 N	X = 710,377.1 E	H - Y = 406,306.5 N	X = 710,371.6 E	I - Y = 408,957.3 N	X = 710,364.2 E	J - Y = 411,618.6 N	X = 710,357.4 E	A - Y = 400,943.7 N	X = 667,857.4 E	B - Y = 403,598.0 N	X = 667,854.4 E	C - Y = 406,243.5 N	X = 667,860.4 E	D - Y = 408,893.2 N	X = 667,862.8 E	E - Y = 411,558.7 N	X = 667,846.4 E	F - Y = 400,950.1 N	X = 669,189.5 E	G - Y = 403,603.0 N	X = 669,191.5 E	H - Y = 406,248.5 N	X = 669,186.1 E	I - Y = 408,899.2 N	X = 669,178.8 E	J - Y = 411,560.5 N	X = 669,172.3 E	A - Y = 401,001.6 N	X = 709,043.1 E	B - Y = 403,655.9 N	X = 709,040.0 E	C - Y = 406,301.5 N	X = 709,045.9 E	D - Y = 408,951.2 N	X = 709,048.2 E	E - Y = 411,616.9 N	X = 709,031.4 E	F - Y = 401,008.0 N	X = 710,375.2 E	G - Y = 403,661.0 N	X = 710,377.1 E	H - Y = 406,306.5 N	X = 710,371.6 E	I - Y = 408,957.3 N	X = 710,364.2 E	J - Y = 411,618.6 N	X = 710,357.4 E	A - Y = 400,943.7 N	X = 667,857.4 E	B - Y = 403,598.0 N	X = 667,854.4 E	C - Y = 406,243.5 N	X = 667,860.4 E	D - Y = 408,893.2 N	X = 667,862.8 E	E - Y = 411,558.7 N	X = 667,846.4 E	F - Y = 400,950.1 N	X = 669,189.5 E	G - Y = 403,603.0 N	X = 669,191.5 E	H - Y = 406,248.5 N	X = 669,186.1 E	I - Y = 408,899.2 N	X = 669,178.8 E	J - Y = 411,560.5 N	X = 669,172.3 E
A - Y = 401,001.6 N	X = 709,043.1 E																																																																																																																																																																																																																																															
B - Y = 403,655.9 N	X = 709,040.0 E																																																																																																																																																																																																																																															
C - Y = 406,301.5 N	X = 709,045.9 E																																																																																																																																																																																																																																															
D - Y = 408,951.2 N	X = 709,048.2 E																																																																																																																																																																																																																																															
E - Y = 411,616.9 N	X = 709,031.4 E																																																																																																																																																																																																																																															
F - Y = 401,008.0 N	X = 710,375.2 E																																																																																																																																																																																																																																															
G - Y = 403,661.0 N	X = 710,377.1 E																																																																																																																																																																																																																																															
H - Y = 406,306.5 N	X = 710,371.6 E																																																																																																																																																																																																																																															
I - Y = 408,957.3 N	X = 710,364.2 E																																																																																																																																																																																																																																															
J - Y = 411,618.6 N	X = 710,357.4 E																																																																																																																																																																																																																																															
A - Y = 400,943.7 N	X = 667,857.4 E																																																																																																																																																																																																																																															
B - Y = 403,598.0 N	X = 667,854.4 E																																																																																																																																																																																																																																															
C - Y = 406,243.5 N	X = 667,860.4 E																																																																																																																																																																																																																																															
D - Y = 408,893.2 N	X = 667,862.8 E																																																																																																																																																																																																																																															
E - Y = 411,558.7 N	X = 667,846.4 E																																																																																																																																																																																																																																															
F - Y = 400,950.1 N	X = 669,189.5 E																																																																																																																																																																																																																																															
G - Y = 403,603.0 N	X = 669,191.5 E																																																																																																																																																																																																																																															
H - Y = 406,248.5 N	X = 669,186.1 E																																																																																																																																																																																																																																															
I - Y = 408,899.2 N	X = 669,178.8 E																																																																																																																																																																																																																																															
J - Y = 411,560.5 N	X = 669,172.3 E																																																																																																																																																																																																																																															
A - Y = 401,001.6 N	X = 709,043.1 E																																																																																																																																																																																																																																															
B - Y = 403,655.9 N	X = 709,040.0 E																																																																																																																																																																																																																																															
C - Y = 406,301.5 N	X = 709,045.9 E																																																																																																																																																																																																																																															
D - Y = 408,951.2 N	X = 709,048.2 E																																																																																																																																																																																																																																															
E - Y = 411,616.9 N	X = 709,031.4 E																																																																																																																																																																																																																																															
F - Y = 401,008.0 N	X = 710,375.2 E																																																																																																																																																																																																																																															
G - Y = 403,661.0 N	X = 710,377.1 E																																																																																																																																																																																																																																															
H - Y = 406,306.5 N	X = 710,371.6 E																																																																																																																																																																																																																																															
I - Y = 408,957.3 N	X = 710,364.2 E																																																																																																																																																																																																																																															
J - Y = 411,618.6 N	X = 710,357.4 E																																																																																																																																																																																																																																															
A - Y = 400,943.7 N	X = 667,857.4 E																																																																																																																																																																																																																																															
B - Y = 403,598.0 N	X = 667,854.4 E																																																																																																																																																																																																																																															
C - Y = 406,243.5 N	X = 667,860.4 E																																																																																																																																																																																																																																															
D - Y = 408,893.2 N	X = 667,862.8 E																																																																																																																																																																																																																																															
E - Y = 411,558.7 N	X = 667,846.4 E																																																																																																																																																																																																																																															
F - Y = 400,950.1 N	X = 669,189.5 E																																																																																																																																																																																																																																															
G - Y = 403,603.0 N	X = 669,191.5 E																																																																																																																																																																																																																																															
H - Y = 406,248.5 N	X = 669,186.1 E																																																																																																																																																																																																																																															
I - Y = 408,899.2 N	X = 669,178.8 E																																																																																																																																																																																																																																															
J - Y = 411,560.5 N	X = 669,172.3 E																																																																																																																																																																																																																																															
A - Y = 401,001.6 N	X = 709,043.1 E																																																																																																																																																																																																																																															
B - Y = 403,655.9 N	X = 709,040.0 E																																																																																																																																																																																																																																															
C - Y = 406,301.5 N	X = 709,045.9 E																																																																																																																																																																																																																																															
D - Y = 408,951.2 N	X = 709,048.2 E																																																																																																																																																																																																																																															
E - Y = 411,616.9 N	X = 709,031.4 E																																																																																																																																																																																																																																															
F - Y = 401,008.0 N	X = 710,375.2 E																																																																																																																																																																																																																																															
G - Y = 403,661.0 N	X = 710,377.1 E																																																																																																																																																																																																																																															
H - Y = 406,306.5 N	X = 710,371.6 E																																																																																																																																																																																																																																															
I - Y = 408,957.3 N	X = 710,364.2 E																																																																																																																																																																																																																																															
J - Y = 411,618.6 N	X = 710,357.4 E																																																																																																																																																																																																																																															
A - Y = 400,943.7 N	X = 667,857.4 E																																																																																																																																																																																																																																															
B - Y = 403,598.0 N	X = 667,854.4 E																																																																																																																																																																																																																																															
C - Y = 406,243.5 N	X = 667,860.4 E																																																																																																																																																																																																																																															
D - Y = 408,893.2 N	X = 667,862.8 E																																																																																																																																																																																																																																															
E - Y = 411,558.7 N	X = 667,846.4 E																																																																																																																																																																																																																																															
F - Y = 400,950.1 N	X = 669,189.5 E																																																																																																																																																																																																																																															
G - Y = 403,603.0 N	X = 669,191.5 E																																																																																																																																																																																																																																															
H - Y = 406,248.5 N	X = 669,186.1 E																																																																																																																																																																																																																																															
I - Y = 408,899.2 N	X = 669,178.8 E																																																																																																																																																																																																																																															
J - Y = 411,560.5 N	X = 669,172.3 E																																																																																																																																																																																																																																															
A - Y = 401,001.6 N	X = 709,043.1 E																																																																																																																																																																																																																																															
B - Y = 403,655.9 N	X = 709,040.0 E																																																																																																																																																																																																																																															
C - Y = 406,301.5 N	X = 709,045.9 E																																																																																																																																																																																																																																															
D - Y = 408,951.2 N	X = 709,048.2 E																																																																																																																																																																																																																																															
E - Y = 411,616.9 N	X = 709,031.4 E																																																																																																																																																																																																																																															
F - Y = 401,008.0 N	X = 710,375.2 E																																																																																																																																																																																																																																															
G - Y = 403,661.0 N	X = 710,377.1 E																																																																																																																																																																																																																																															
H - Y = 406,306.5 N	X = 710,371.6 E																																																																																																																																																																																																																																															
I - Y = 408,957.3 N	X = 710,364.2 E																																																																																																																																																																																																																																															
J - Y = 411,618.6 N	X = 710,357.4 E																																																																																																																																																																																																																																															
A - Y = 400,943.7 N	X = 667,857.4 E																																																																																																																																																																																																																																															
B - Y = 403,598.0 N	X = 667,854.4 E																																																																																																																																																																																																																																															
C - Y = 406,243.5 N	X = 667,860.4 E																																																																																																																																																																																																																																															
D - Y = 408,893.2 N	X = 667,862.8 E																																																																																																																																																																																																																																															
E - Y = 411,558.7 N	X = 667,846.4 E																																																																																																																																																																																																																																															
F - Y = 400,950.1 N	X = 669,189.5 E																																																																																																																																																																																																																																															
G - Y = 403,603.0 N	X = 669,191.5 E																																																																																																																																																																																																																																															
H - Y = 406,248.5 N	X = 669,186.1 E																																																																																																																																																																																																																																															
I - Y = 408,899.2 N	X = 669,178.8 E																																																																																																																																																																																																																																															
J - Y = 411,560.5 N	X = 669,172.3 E																																																																																																																																																																																																																																															
A - Y = 401,001.6 N	X = 709,043.1 E																																																																																																																																																																																																																																															
B - Y = 403,655.9 N	X = 709,040.0 E																																																																																																																																																																																																																																															
C - Y = 406,301.5 N	X = 709,045.9 E																																																																																																																																																																																																																																															
D - Y = 408,951.2 N	X = 709,048.2 E																																																																																																																																																																																																																																															
E - Y = 411,616.9 N	X = 709,031.4 E																																																																																																																																																																																																																																															
F - Y = 401,008.0 N	X = 710,375.2 E																																																																																																																																																																																																																																															
G - Y = 403,661.0 N	X = 710,377.1 E																																																																																																																																																																																																																																															
H - Y = 406,306.5 N	X = 710,371.6 E																																																																																																																																																																																																																																															
I - Y = 408,957.3 N	X = 710,364.2 E																																																																																																																																																																																																																																															
J - Y = 411,618.6 N	X = 710,357.4 E																																																																																																																																																																																																																																															
A - Y = 400,943.7 N	X = 667,857.4 E																																																																																																																																																																																																																																															
B - Y = 403,598.0 N	X = 667,854.4 E																																																																																																																																																																																																																																															
C - Y = 406,243.5 N	X = 667,860.4 E																																																																																																																																																																																																																																															
D - Y = 408,893.2 N	X = 667,862.8 E																																																																																																																																																																																																																																															
E - Y = 411,558.7 N	X = 667,846.4 E																																																																																																																																																																																																																																															
F - Y = 400,950.1 N	X = 669,189.5 E																																																																																																																																																																																																																																															
G - Y = 403,603.0 N	X = 669,191.5 E																																																																																																																																																																																																																																															
H - Y = 406,248.5 N	X = 669,186.1 E																																																																																																																																																																																																																																															
I - Y = 408,899.2 N	X = 669,178.8 E																																																																																																																																																																																																																																															
J - Y = 411,560.5 N	X = 669,172.3 E																																																																																																																																																																																																																																															
A - Y = 401,001.6 N	X = 709,043.1 E																																																																																																																																																																																																																																															
B - Y = 403,655.9 N	X = 709,040.0 E																																																																																																																																																																																																																																															
C - Y = 406,301.5 N	X = 709,045.9 E																																																																																																																																																																																																																																															
D - Y = 408,951.2 N	X = 709,048.2 E																																																																																																																																																																																																																																															
E - Y = 411,616.9 N	X = 709,031.4 E																																																																																																																																																																																																																																															
F - Y = 401,008.0 N	X = 710,375.2 E																																																																																																																																																																																																																																															
G - Y = 403,661.0 N	X = 710,377.1 E																																																																																																																																																																																																																																															
H - Y = 406,306.5 N	X = 710,371.6 E																																																																																																																																																																																																																																															
I - Y = 408,957.3 N	X = 710,364.2 E																																																																																																																																																																																																																																															
J - Y = 411,618.6 N	X = 710,357.4 E																																																																																																																																																																																																																																															
A - Y = 400,943.7 N	X = 667,857.4 E																																																																																																																																																																																																																																															
B - Y = 403,598.0 N	X = 667,854.4 E																																																																																																																																																																																																																																															
C - Y = 406,243.5 N	X = 667,860.4 E																																																																																																																																																																																																																																															
D - Y = 408,893.2 N	X = 667,862.8 E																																																																																																																																																																																																																																															
E - Y = 411,558.7 N	X = 667,846.4 E																																																																																																																																																																																																																																															
F - Y = 400,950.1 N	X = 669,189.5 E																																																																																																																																																																																																																																															
G - Y = 403,603.0 N	X = 669,191.5 E																																																																																																																																																																																																																																															
H - Y = 406,248.5 N	X = 669,186.1 E																																																																																																																																																																																																																																															
I - Y = 408,899.2 N	X = 669,178.8 E																																																																																																																																																																																																																																															
J - Y = 411,560.5 N	X = 669,172.3 E																																																																																																																																																																																																																																															

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

**XTO Energy Inc.**

Poker Lake Unit 29-20 BS 151H

Projected TD: 22350.61' MD / 10030' TVD

SHL: 531' FNL & 1605' FWL , Section 29, T25S, R31E

BHL: 2663' FSL & 545' FWL , Section 16, T25S, R31E

Eddy County, NM

**1. Geologic Name of Surface Formation**

A. Quaternary

**2. Estimated Tops of Geological Markers & Depths of Anticipated Fresh Water, Oil or Gas**

Formation	Well Depth (TVD)	Water/Oil/Gas
Rustler	766'	Water
Top of Salt	1142'	Water
Base of Salt	3995'	Water
Delaware	4202'	Water
Brushy Canyon	6879'	Water/Oil/Gas
Bone Spring	8152'	Water
1st Bone Spring	8973'	Water/Oil/Gas
2nd Bone Spring	9612'	Water/Oil/Gas
<b>Target/Land Curve</b>	<b>10030'</b>	<b>Water/Oil/Gas</b>

\*\*\* 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 @ 866' (276' 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 10952.56' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 22350.61 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 10652.56 feet).

**3. Casing Design**

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0' – 866'	9.625	40	J-55	BTC	New	1.32	7.27	18.19
8.75	0' – 4000'	7.625	29.7	RY P-110	Flush Joint	New	2.89	2.71	1.72
8.75	4000' – 10952.56'	7.625	29.7	HC L-80	Flush Joint	New	2.10	1.90	1.97
6.75	0' – 10852.56'	5.5	20	RY P-110	Semi-Premium	New	1.26	1.87	2.03
6.75	10852.56' - 22350.61'	5.5	20	RY P-110	Semi-Flush	New	1.26	2.03	2.03

- 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 +/- 866'**

Lead: 180 sxs EconoCem-HLTRRC (mixed at 10.5 ppg, 1.87 ft<sup>3</sup>/sx, 10.13 gal/sx water)

Tail: 130 sxs Class C + 2% CaCl (mixed at 14.8 ppg, 1.35 ft<sup>3</sup>/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 +/- 10952.56'**

1st Stage

Optional Lead: 370 sxs Class C (mixed at 10.5 ppg, 2.77 ft<sup>3</sup>/sx, 15.59 gal/sx water)

TOC: Surface

Tail: 370 sxs Class C (mixed at 14.8 ppg, 1.35 ft<sup>3</sup>/sx, 6.39 gal/sx water)

TOC: Brushy Canyon @ 6879

Compressives: 12-hr = 900 psi 24 hr = 1150 psi

2nd Stage

Lead: 0 sxs Class C (mixed at 12.9 ppg, 2.16 ft<sup>3</sup>/sx, 9.61 gal/sx water)

Tail: 770 sxs Class C (mixed at 14.8 ppg, 1.33 ft<sup>3</sup>/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 (6879') 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 +/- 22350.61'**

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft<sup>3</sup>/sx, 15.00 gal/sx water) Top of Cement: 10652.56 feet

Tail: 800 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft<sup>3</sup>/sx, 8.38 gal/sx water) Top of Cement: 11152.56 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 3270 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' - 866'	12.25	FW/Native	8.4-8.9	35-40	NC
866' - 10952.56'	8.75	FW / Cut Brine / Direct Emulsion	9.5-10	30-32	NC
10952.56' - 22350.61'	6.75	OBM	10.5-11	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 5476 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 - PLU 29-20 151H

Measured Depth:

22350.61 ft

TVD RKB:

10030.00 ft

Location

Cartographic Reference System:

New Mexico East - NAD 27

Northing:

403042.60 ft

Easting:

664156.00 ft

RKB:

3397.00 ft

Ground Level:

3365.00 ft

North Reference:

Grid

Convergence Angle:

0.28 Deg

Site:

D

Slot:

PLU 29-20 151H

Plan Sections

Measured	Depth (ft)	Inclination (Deg)	Azimuth (Deg)	TVD RKB (ft)	Y Offset (ft)	X Offset (ft)	Build		Turn		Dogleg	
							Rate (Deg/100ft)	Rate (Deg/100ft)	Rate (Deg/100ft)	Rate (Deg/100ft)	Rate (Deg/100ft)	Target
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3493.59	47.87	118.17	3224.66	-445.17	831.43	2.00	0.00	0.00	0.00	2.00	0.00
	7445.16	47.87	118.17	5875.34	-1828.52	3415.07	0.00	0.00	0.00	0.00	0.00	0.00
	9838.76	0.00	0.00	8000.00	-2273.70	4246.50	-2.00	0.00	0.00	0.00	2.00	0.00
	11152.56	0.00	0.00	9313.80	-2273.70	4246.50	0.00	0.00	0.00	0.00	0.00	0.00
	12277.56	90.00	359.94	10030.00	-1557.50	4245.80	8.00	0.00	0.00	0.00	8.00	FTP 4
	22251.86	90.00	359.94	10030.00	8416.80	4236.00	0.00	0.00	0.00	0.00	0.00	LTP 4
	22350.61	90.00	359.94	10030.00	8515.55	4235.90	0.00	0.00	0.00	0.00	0.00	BHL 4

Position Uncertainty

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

Depth	Inclination	Azimuth	RKB	Error	Bias	Error	Bias	Error	Bias	Error	of Bias	Error	Error	Azimuth	Used
(ft)	(°)	(°)	(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	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	0.751	0.000	0.220	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	1.259	0.000	0.627	0.627	122.711	MWD+IFR1+MS
300.000	0.000	0.000	300.000	1.497	0.000	1.271	0.000	2.325	0.000	1.698	0.000	0.986	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	2.108	0.000	1.344	1.344	126.713	MWD+IFR1+MS
500.000	0.000	0.000	500.000	2.240	0.000	2.034	0.000	2.374	0.000	2.503	0.000	1.701	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	2.888	0.000	2.059	2.059	127.873	MWD+IFR1+MS
700.000	0.000	0.000	700.000	2.971	0.000	2.773	0.000	2.444	0.000	3.267	0.000	2.417	2.417	128.190	MWD+IFR1+MS
800.000	0.000	0.000	800.000	3.334	0.000	3.138	0.000	2.485	0.000	3.642	0.000	2.775	2.775	128.423	MWD+IFR1+MS
900.000	0.000	0.000	900.000	3.696	0.000	3.502	0.000	2.531	0.000	4.014	0.000	3.133	3.133	128.602	MWD+IFR1+MS
1000.000	0.000	0.000	1000.000	4.058	0.000	3.865	0.000	2.581	0.000	4.384	0.000	3.491	3.491	128.744	MWD+IFR1+MS
1100.000	0.000	0.000	1100.000	4.419	0.000	4.228	0.000	2.634	0.000	4.752	0.000	3.849	3.849	128.859	MWD+IFR1+MS
1200.000	2.000	118.166	1199.980	4.413	0.000	5.015	-0.000	2.691	0.000	5.052	0.000	4.372	4.372	132.131	MWD+IFR1+MS
1300.000	4.000	118.166	1299.838	5.267	0.000	5.337	-0.000	2.751	0.000	5.337	0.000	5.274	5.274	121.963	MWD+IFR1+MS
1400.000	6.000	118.166	1399.452	6.015	0.000	5.665	-0.000	2.816	0.000	6.066	0.000	5.628	5.628	44.854	MWD+IFR1+MS
1500.000	8.000	118.166	1498.702	6.693	0.000	5.999	-0.000	2.889	0.000	6.781	0.000	5.930	5.930	44.146	MWD+IFR1+MS
1600.000	10.000	118.166	1597.465	7.318	0.000	6.339	-0.000	2.972	0.000	7.441	0.000	6.242	6.242	43.985	MWD+IFR1+MS
1700.000	12.000	118.166	1695.623	7.901	0.000	6.685	-0.000	3.067	0.000	8.060	0.000	6.563	6.563	43.961	MWD+IFR1+MS
1800.000	14.000	118.166	1793.055	8.451	0.000	7.039	-0.000	3.175	0.000	8.646	0.000	6.893	6.893	44.003	MWD+IFR1+MS
1900.000	16.000	118.166	1889.643	8.974	0.000	7.401	-0.000	3.298	0.000	9.205	0.000	7.234	7.234	44.092	MWD+IFR1+MS
2000.000	18.000	118.166	1985.268	9.472	0.000	7.772	-0.000	3.438	0.000	9.742	0.000	7.586	7.586	44.221	MWD+IFR1+MS
2100.000	20.000	118.166	2079.816	9.950	0.000	8.155	-0.000	3.596	0.000	10.259	0.000	7.951	7.951	44.394	MWD+IFR1+MS
2200.000	22.000	118.166	2173.169	10.410	0.000	8.551	-0.000	3.773	0.000	10.760	0.000	8.330	8.330	44.615	MWD+IFR1+MS
2300.000	24.000	118.166	2265.215	10.855	0.000	8.960	-0.000	3.969	0.000	11.246	0.000	8.725	8.725	44.894	MWD+IFR1+MS
2400.000	26.000	118.166	2355.841	11.286	0.000	9.387	-0.000	4.187	0.000	11.720	0.000	9.136	9.136	45.242	MWD+IFR1+MS
2500.000	28.000	118.166	2444.937	11.704	0.000	9.831	-0.000	4.426	0.000	12.183	0.000	9.565	9.565	45.677	MWD+IFR1+MS
2600.000	30.000	118.166	2532.394	12.112	0.000	10.296	-0.000	4.687	0.000	12.636	0.000	10.015	10.015	46.222	MWD+IFR1+MS
2700.000	32.000	118.166	2618.107	12.511	0.000	10.782	-0.000	4.970	0.000	13.080	0.000	10.485	10.485	46.908	MWD+IFR1+MS
2800.000	34.000	118.166	2701.970	12.901	0.000	11.293	-0.000	5.276	0.000	13.518	0.000	10.978	10.978	47.776	MWD+IFR1+MS
2900.000	36.000	118.166	2783.881	13.284	0.000	11.829	-0.000	5.605	0.000	13.949	0.000	11.493	11.493	48.887	MWD+IFR1+MS
3000.000	38.000	118.166	2863.740	13.660	0.000	12.392	-0.000	5.957	0.000	14.376	0.000	12.032	12.032	50.324	MWD+IFR1+MS

11/2/23, 12:10 PM

Well Plan Report													
3100.000	40.000	118.166	2941.451	14.030	0.000	12.984	-0.000	6.332	0.000	0.000	14.801	12.592	52.206 MWD+IFR1+MS
3200.000	42.000	118.166	3016.918	14.395	0.000	13.607	-0.000	6.731	0.000	0.000	15.228	13.171	54.708 MWD+IFR1+MS
3300.000	44.000	118.166	3090.050	14.756	0.000	14.260	-0.000	7.152	0.000	0.000	15.662	13.765	58.069 MWD+IFR1+MS
3400.000	46.000	118.166	3160.757	15.112	0.000	14.945	-0.000	7.598	0.000	0.000	16.112	14.365	62.587 MWD+IFR1+MS
3493.592	47.872	118.166	3224.660	15.422	0.000	15.614	-0.000	8.014	0.000	0.000	16.552	14.917	68.193 MWD+IFR1+MS
3500.000	47.872	118.166	3228.958	15.448	0.000	15.660	-0.000	8.028	0.000	0.000	16.580	14.954	68.629 MWD+IFR1+MS
3600.000	47.872	118.166	3296.038	15.868	0.000	16.394	-0.000	8.345	0.000	0.000	17.048	15.495	77.007 MWD+IFR1+MS
3700.000	47.872	118.166	3363.117	16.309	0.000	17.151	-0.000	8.685	0.000	0.000	17.610	15.975	85.545 MWD+IFR1+MS
3800.000	47.872	118.166	3430.196	16.762	0.000	17.923	-0.000	9.036	0.000	0.000	18.248	16.400	92.784 MWD+IFR1+MS
3900.000	47.872	118.166	3497.275	17.227	0.000	18.706	-0.000	9.399	0.000	0.000	18.942	16.786	98.297 MWD+IFR1+MS
4000.000	47.872	118.166	3564.354	17.702	0.000	19.499	-0.000	9.772	0.000	0.000	19.676	17.147	102.337 MWD+IFR1+MS
4100.000	47.872	118.166	3631.433	18.187	0.000	20.302	-0.000	10.153	0.000	0.000	20.438	17.496	105.304 MWD+IFR1+MS
4200.000	47.872	118.166	3698.512	18.681	0.000	21.113	-0.000	10.542	0.000	0.000	21.220	17.838	107.522 MWD+IFR1+MS
4300.000	47.872	118.166	3765.591	19.183	0.000	21.931	-0.000	10.938	0.000	0.000	22.016	18.177	109.220 MWD+IFR1+MS
4400.000	47.872	118.166	3832.670	19.692	0.000	22.756	-0.000	11.340	0.000	0.000	22.825	18.516	110.548 MWD+IFR1+MS
4500.000	47.872	118.166	3899.750	20.209	0.000	23.587	-0.000	11.748	0.000	0.000	23.643	18.855	111.609 MWD+IFR1+MS
4600.000	47.872	118.166	3966.829	20.732	0.000	24.422	-0.000	12.161	0.000	0.000	24.469	19.196	112.471 MWD+IFR1+MS
4700.000	47.872	118.166	4033.908	21.261	0.000	25.263	-0.000	12.578	0.000	0.000	25.301	19.539	113.183 MWD+IFR1+MS
4800.000	47.872	118.166	4100.987	21.795	0.000	26.107	-0.000	13.000	0.000	0.000	26.140	19.884	113.779 MWD+IFR1+MS
4900.000	47.872	118.166	4168.066	22.335	0.000	26.956	-0.000	13.425	0.000	0.000	26.983	20.231	114.284 MWD+IFR1+MS
5000.000	47.872	118.166	4235.145	22.880	0.000	27.808	-0.000	13.854	0.000	0.000	27.831	20.581	114.716 MWD+IFR1+MS
5100.000	47.872	118.166	4302.224	23.429	0.000	28.663	-0.000	14.286	0.000	0.000	28.682	20.934	115.090 MWD+IFR1+MS
5200.000	47.872	118.166	4369.303	23.982	0.000	29.521	-0.000	14.721	0.000	0.000	29.537	21.290	115.415 MWD+IFR1+MS
5300.000	47.872	118.166	4436.383	24.539	0.000	30.382	-0.000	15.158	0.000	0.000	30.395	21.647	115.701 MWD+IFR1+MS
5400.000	47.872	118.166	4503.462	25.099	0.000	31.245	-0.000	15.598	0.000	0.000	31.256	22.008	115.953 MWD+IFR1+MS
5500.000	47.872	118.166	4570.541	25.663	0.000	32.110	-0.000	16.040	0.000	0.000	32.120	22.371	116.177 MWD+IFR1+MS
5600.000	47.872	118.166	4637.620	26.230	0.000	32.977	-0.000	16.484	0.000	0.000	32.986	22.736	116.377 MWD+IFR1+MS
5700.000	47.872	118.166	4704.699	26.800	0.000	33.847	-0.000	16.930	0.000	0.000	33.854	23.104	116.557 MWD+IFR1+MS
5800.000	47.872	118.166	4771.778	27.373	0.000	34.718	-0.000	17.377	0.000	0.000	34.724	23.474	116.720 MWD+IFR1+MS
5900.000	47.872	118.166	4838.857	27.949	0.000	35.591	-0.000	17.827	0.000	0.000	35.596	23.846	116.867 MWD+IFR1+MS
6000.000	47.872	118.166	4905.936	28.527	0.000	36.465	-0.000	18.278	0.000	0.000	36.469	24.220	117.000 MWD+IFR1+MS
6100.000	47.872	118.166	4973.016	29.107	0.000	37.340	-0.000	18.730	0.000	0.000	37.344	24.596	117.122 MWD+IFR1+MS
6200.000	47.872	118.166	5040.095	29.689	0.000	38.217	-0.000	19.184	0.000	0.000	38.220	24.974	117.234 MWD+IFR1+MS



11/2/23, 12:10 PM

Well Plan Report

6300.000	47.872	118.166	5107.174	30.274	0.000	39.095	-0.000	19.639	0.000	0.000	39.098	25.355	117.336	MWD+IFR1+MS
6400.000	47.872	118.166	5174.253	30.860	0.000	39.975	-0.000	20.095	0.000	0.000	39.977	25.737	117.431	MWD+IFR1+MS
6500.000	47.872	118.166	5241.332	31.448	0.000	40.855	-0.000	20.553	0.000	0.000	40.857	26.120	117.518	MWD+IFR1+MS
6600.000	47.872	118.166	5308.411	32.038	0.000	41.737	-0.000	21.011	0.000	0.000	41.738	26.506	117.598	MWD+IFR1+MS
6700.000	47.872	118.166	5375.490	32.629	0.000	42.619	-0.000	21.471	0.000	0.000	42.620	26.893	117.673	MWD+IFR1+MS
6800.000	47.872	118.166	5442.569	33.222	0.000	43.502	-0.000	21.931	0.000	0.000	43.503	27.282	117.743	MWD+IFR1+MS
6900.000	47.872	118.166	5509.648	33.817	0.000	44.386	-0.000	22.392	0.000	0.000	44.387	27.672	117.808	MWD+IFR1+MS
7000.000	47.872	118.166	5576.728	34.413	0.000	45.271	-0.000	22.855	0.000	0.000	45.271	28.064	117.868	MWD+IFR1+MS
7100.000	47.872	118.166	5643.807	35.010	0.000	46.156	-0.000	23.318	0.000	0.000	46.157	28.457	117.925	MWD+IFR1+MS
7200.000	47.872	118.166	5710.886	35.608	0.000	47.043	-0.000	23.782	0.000	0.000	47.043	28.852	117.978	MWD+IFR1+MS
7300.000	47.872	118.166	5777.965	36.208	0.000	47.930	-0.000	24.246	0.000	0.000	47.930	29.248	118.027	MWD+IFR1+MS
7400.000	47.872	118.166	5845.044	36.809	0.000	48.817	-0.000	24.711	0.000	0.000	48.817	29.645	118.074	MWD+IFR1+MS
7445.165	47.872	118.166	5875.340	37.079	0.000	49.216	-0.000	24.921	0.000	0.000	49.216	29.824	118.098	MWD+IFR1+MS
7500.000	46.775	118.166	5912.510	37.502	0.000	49.696	-0.000	25.174	0.000	0.000	49.696	30.043	118.124	MWD+IFR1+MS
7600.000	44.775	118.166	5982.254	38.272	0.000	50.552	-0.000	25.649	0.000	0.000	50.552	30.473	118.154	MWD+IFR1+MS
7700.000	42.775	118.166	6054.457	39.013	0.000	51.378	-0.000	26.121	0.000	0.000	51.378	30.929	118.167	MWD+IFR1+MS
7800.000	40.775	118.166	6129.029	39.695	0.000	52.172	-0.000	26.565	0.000	0.000	52.172	31.392	118.180	MWD+IFR1+MS
7900.000	38.775	118.166	6205.882	40.318	0.000	52.934	-0.000	26.983	0.000	0.000	52.934	31.862	118.191	MWD+IFR1+MS
8000.000	36.775	118.166	6284.920	40.880	0.000	53.661	-0.000	27.374	0.000	0.000	53.661	32.337	118.201	MWD+IFR1+MS
8100.000	34.775	118.166	6366.047	41.380	0.000	54.355	-0.000	27.739	0.000	0.000	54.355	32.814	118.210	MWD+IFR1+MS
8200.000	32.775	118.166	6449.166	41.817	0.000	55.014	-0.000	28.079	0.000	0.000	55.014	33.292	118.217	MWD+IFR1+MS
8300.000	30.775	118.166	6534.173	42.191	0.000	55.638	-0.000	28.393	0.000	0.000	55.638	33.769	118.223	MWD+IFR1+MS
8400.000	28.775	118.166	6620.967	42.501	0.000	56.228	-0.000	28.683	0.000	0.000	56.228	34.244	118.227	MWD+IFR1+MS
8500.000	26.775	118.166	6709.441	42.746	0.000	56.784	-0.000	28.949	0.000	0.000	56.784	34.714	118.230	MWD+IFR1+MS
8600.000	24.775	118.166	6799.487	42.927	0.000	57.306	-0.000	29.193	0.000	0.000	57.306	35.179	118.232	MWD+IFR1+MS
8700.000	22.775	118.166	6890.996	43.044	0.000	57.794	-0.000	29.415	0.000	0.000	57.794	35.636	118.232	MWD+IFR1+MS
8800.000	20.775	118.166	6983.856	43.095	0.000	58.249	-0.000	29.617	0.000	0.000	58.249	36.085	118.230	MWD+IFR1+MS
8900.000	18.775	118.166	7077.954	43.081	0.000	58.673	-0.000	29.800	0.000	0.000	58.673	36.523	118.226	MWD+IFR1+MS
9000.000	16.775	118.166	7173.175	43.003	0.000	59.065	-0.000	29.964	0.000	0.000	59.066	36.949	118.221	MWD+IFR1+MS
9100.000	14.775	118.166	7269.404	42.861	0.000	59.428	-0.000	30.112	0.000	0.000	59.428	37.362	118.213	MWD+IFR1+MS
9200.000	12.775	118.166	7366.523	42.656	0.000	59.762	-0.000	30.245	0.000	0.000	59.762	37.762	118.204	MWD+IFR1+MS
9300.000	10.775	118.166	7464.414	42.388	0.000	60.069	-0.000	30.364	0.000	0.000	60.069	38.146	118.193	MWD+IFR1+MS
9400.000	8.775	118.166	7562.957	42.058	0.000	60.350	-0.000	30.471	0.000	0.000	60.350	38.514	118.179	MWD+IFR1+MS

11/2/23, 12:10 PM

Well Plan Report

9500.000	6.775	118.166	7662.032	41.668	0.000	60.606	-0.000	30.568	0.000	0.000	60.606	38.866	118.164	MWD+IFR1+MS
9600.000	4.775	118.166	7761.520	41.220	0.000	60.839	-0.000	30.656	0.000	0.000	60.839	39.199	118.146	MWD+IFR1+MS
9700.000	2.775	118.166	7861.298	40.714	0.000	61.051	-0.000	30.737	0.000	0.000	61.051	39.515	118.126	MWD+IFR1+MS
9800.000	0.775	118.166	7961.245	40.153	0.000	61.243	-0.000	30.812	0.000	0.000	61.243	39.811	118.105	MWD+IFR1+MS
9838.757	0.000	0.000	8000.000	57.253	0.000	45.525	0.000	30.840	0.000	0.000	61.309	39.895	118.104	MWD+IFR1+MS
9900.000	0.000	0.000	8061.243	57.359	0.000	45.635	0.000	30.885	0.000	0.000	61.410	40.018	118.091	MWD+IFR1+MS
10000.000	0.000	0.000	8161.243	57.534	0.000	45.818	0.000	30.959	0.000	0.000	61.576	40.222	118.074	MWD+IFR1+MS
10100.000	0.000	0.000	8261.243	57.712	0.000	46.004	0.000	31.036	0.000	0.000	61.746	40.428	118.059	MWD+IFR1+MS
10200.000	0.000	0.000	8361.243	57.891	0.000	46.192	0.000	31.115	0.000	0.000	61.918	40.636	118.044	MWD+IFR1+MS
10300.000	0.000	0.000	8461.243	58.072	0.000	46.383	0.000	31.197	0.000	0.000	62.091	40.847	118.029	MWD+IFR1+MS
10400.000	0.000	0.000	8561.243	58.255	0.000	46.575	0.000	31.281	0.000	0.000	62.266	41.059	118.014	MWD+IFR1+MS
10500.000	0.000	0.000	8661.243	58.440	0.000	46.769	0.000	31.368	0.000	0.000	62.443	41.273	117.999	MWD+IFR1+MS
10600.000	0.000	0.000	8761.243	58.626	0.000	46.966	0.000	31.458	0.000	0.000	62.620	41.490	117.984	MWD+IFR1+MS
10700.000	0.000	0.000	8861.243	58.813	0.000	47.164	0.000	31.551	0.000	0.000	62.800	41.708	117.970	MWD+IFR1+MS
10800.000	0.000	0.000	8961.243	59.002	0.000	47.364	0.000	31.646	0.000	0.000	62.981	41.929	117.955	MWD+IFR1+MS
10900.000	0.000	0.000	9061.243	59.193	0.000	47.566	0.000	31.744	0.000	0.000	63.164	42.151	117.940	MWD+IFR1+MS
11000.000	0.000	0.000	9161.243	59.385	0.000	47.770	0.000	31.845	0.000	0.000	63.348	42.375	117.926	MWD+IFR1+MS
11100.000	0.000	0.000	9261.243	59.579	0.000	47.975	0.000	31.948	0.000	0.000	63.533	42.601	117.911	MWD+IFR1+MS
11152.559	0.000	0.000	9313.803	59.681	0.000	48.083	0.000	32.004	0.000	0.000	63.630	42.720	117.902	MWD+IFR1+MS
11200.000	3.795	359.944	9361.209	59.143	0.000	48.195	0.000	32.055	0.000	0.000	63.723	42.825	117.883	MWD+IFR1+MS
11300.000	11.795	359.944	9460.204	57.817	0.000	48.376	0.000	32.186	0.000	0.000	64.188	43.104	117.443	MWD+IFR1+MS
11400.000	19.795	359.944	9556.350	56.106	0.000	48.530	0.000	32.421	0.000	0.000	64.857	43.400	116.724	MWD+IFR1+MS
11500.000	27.795	359.944	9647.775	53.804	0.000	48.655	0.000	32.812	0.000	0.000	65.449	43.637	116.121	MWD+IFR1+MS
11600.000	35.795	359.944	9732.700	51.082	0.000	48.750	0.000	33.404	0.000	0.000	65.947	43.818	115.636	MWD+IFR1+MS
11700.000	43.795	359.944	9809.471	48.161	0.000	48.816	0.000	34.219	0.000	0.000	66.340	43.949	115.258	MWD+IFR1+MS
11800.000	51.795	359.944	9876.595	45.317	0.000	48.855	0.000	35.259	0.000	0.000	66.624	44.040	114.972	MWD+IFR1+MS
11900.000	59.795	359.944	9932.764	42.872	0.000	48.870	0.000	36.501	0.000	0.000	66.800	44.102	114.754	MWD+IFR1+MS
12000.000	67.795	359.944	9976.886	41.166	0.000	48.862	0.000	37.907	0.000	0.000	66.881	44.147	114.577	MWD+IFR1+MS
12100.000	75.795	359.944	10008.102	40.493	0.000	48.835	0.000	39.426	0.000	0.000	66.883	44.187	114.411	MWD+IFR1+MS
12200.000	83.795	359.944	10025.805	41.014	0.000	48.792	0.000	41.001	0.000	0.000	66.827	44.232	114.222	MWD+IFR1+MS
12277.559	90.000	359.944	10030.000	41.916	0.000	48.746	0.000	41.916	0.000	0.000	66.761	44.275	114.034	MWD+IFR1+MS
12300.000	90.000	359.944	10030.000	42.047	0.000	48.731	0.000	42.047	0.000	0.000	66.740	44.288	113.973	MWD+IFR1+MS
12400.000	90.000	359.944	10030.000	42.598	0.000	48.679	0.000	42.598	0.000	0.000	66.651	44.359	113.709	MWD+IFR1+MS

11/2/23, 12:10 PM

Well Plan Report

12500.000	90.000	359.944	10030.000	43.159	0.000	48.645	0.000	43.159	0.000	0.000	66.565	44.447	113.456	MWD+IFR1+MS
12600.000	90.000	359.944	10030.000	43.727	0.000	48.626	0.000	43.727	0.000	0.000	66.481	44.547	113.213	MWD+IFR1+MS
12700.000	90.000	359.944	10030.000	44.302	0.000	48.624	0.000	44.302	0.000	0.000	66.400	44.662	112.978	MWD+IFR1+MS
12800.000	90.000	359.944	10030.000	44.883	0.000	48.638	0.000	44.883	0.000	0.000	66.322	44.789	112.751	MWD+IFR1+MS
12900.000	90.000	359.944	10030.000	45.470	0.000	48.667	0.000	45.470	0.000	0.000	66.246	44.931	112.534	MWD+IFR1+MS
13000.000	90.000	359.944	10030.000	46.063	0.000	48.713	0.000	46.063	0.000	0.000	66.173	45.086	112.325	MWD+IFR1+MS
13100.000	90.000	359.944	10030.000	46.662	0.000	48.774	0.000	46.662	0.000	0.000	66.102	45.255	112.126	MWD+IFR1+MS
13200.000	90.000	359.944	10030.000	47.266	0.000	48.851	0.000	47.266	0.000	0.000	66.034	45.437	111.934	MWD+IFR1+MS
13300.000	90.000	359.944	10030.000	47.875	0.000	48.944	0.000	47.875	0.000	0.000	65.967	45.632	111.752	MWD+IFR1+MS
13400.000	90.000	359.944	10030.000	48.490	0.000	49.052	0.000	48.490	0.000	0.000	65.903	45.841	111.579	MWD+IFR1+MS
13500.000	90.000	359.944	10030.000	49.109	0.000	49.176	0.000	49.109	0.000	0.000	65.841	46.063	111.414	MWD+IFR1+MS
13600.000	90.000	359.944	10030.000	49.733	0.000	49.316	0.000	49.733	0.000	0.000	65.781	46.298	111.259	MWD+IFR1+MS
13700.000	90.000	359.944	10030.000	50.361	0.000	49.471	0.000	50.361	0.000	0.000	65.723	46.547	111.113	MWD+IFR1+MS
13800.000	90.000	359.944	10030.000	50.994	0.000	49.641	0.000	50.994	0.000	0.000	65.667	46.808	110.976	MWD+IFR1+MS
13900.000	90.000	359.944	10030.000	51.631	0.000	49.826	0.000	51.631	0.000	0.000	65.613	47.082	110.849	MWD+IFR1+MS
14000.000	90.000	359.944	10030.000	52.272	0.000	50.025	0.000	52.272	0.000	0.000	65.561	47.368	110.732	MWD+IFR1+MS
14100.000	90.000	359.944	10030.000	52.917	0.000	50.240	0.000	52.917	0.000	0.000	65.511	47.667	110.625	MWD+IFR1+MS
14200.000	90.000	359.944	10030.000	53.565	0.000	50.469	0.000	53.565	0.000	0.000	65.462	47.978	110.528	MWD+IFR1+MS
14300.000	90.000	359.944	10030.000	54.218	0.000	50.712	0.000	54.218	0.000	0.000	65.416	48.301	110.443	MWD+IFR1+MS
14400.000	90.000	359.944	10030.000	54.873	0.000	50.969	0.000	54.873	0.000	0.000	65.371	48.636	110.368	MWD+IFR1+MS
14500.000	90.000	359.944	10030.000	55.532	0.000	51.240	0.000	55.532	0.000	0.000	65.328	48.983	110.306	MWD+IFR1+MS
14600.000	90.000	359.944	10030.000	56.195	0.000	51.525	0.000	56.195	0.000	0.000	65.287	49.341	110.257	MWD+IFR1+MS
14700.000	90.000	359.944	10030.000	56.860	0.000	51.823	0.000	56.860	0.000	0.000	65.247	49.710	110.221	MWD+IFR1+MS
14800.000	90.000	359.944	10030.000	57.528	0.000	52.134	0.000	57.528	0.000	0.000	65.209	50.090	110.199	MWD+IFR1+MS
14900.000	90.000	359.944	10030.000	58.200	0.000	52.458	0.000	58.200	0.000	0.000	65.173	50.481	110.193	MWD+IFR1+MS
15000.000	90.000	359.944	10030.000	58.874	0.000	52.795	0.000	58.874	0.000	0.000	65.139	50.882	110.204	MWD+IFR1+MS
15100.000	90.000	359.944	10030.000	59.550	0.000	53.145	0.000	59.550	0.000	0.000	65.106	51.294	110.232	MWD+IFR1+MS
15200.000	90.000	359.944	10030.000	60.230	0.000	53.506	0.000	60.230	0.000	0.000	65.075	51.715	110.280	MWD+IFR1+MS
15300.000	90.000	359.944	10030.000	60.912	0.000	53.880	0.000	60.912	0.000	0.000	65.046	52.146	110.350	MWD+IFR1+MS
15400.000	90.000	359.944	10030.000	61.596	0.000	54.265	0.000	61.596	0.000	0.000	65.019	52.587	110.444	MWD+IFR1+MS
15500.000	90.000	359.944	10030.000	62.283	0.000	54.662	0.000	62.283	0.000	0.000	64.993	53.037	110.564	MWD+IFR1+MS
15600.000	90.000	359.944	10030.000	62.972	0.000	55.070	0.000	62.972	0.000	0.000	64.970	53.495	110.715	MWD+IFR1+MS
15700.000	90.000	359.944	10030.000	63.663	0.000	55.489	0.000	63.663	0.000	0.000	64.948	53.963	110.899	MWD+IFR1+MS

Well Plan Report

15800.000	90.000	359.944	10030.000	64.357	0.000	55.919	0.000	64.357	0.000	0.000	64.928	54.438	111.123	MWD+IFR1+MS
15900.000	90.000	359.944	10030.000	65.052	0.000	56.359	0.000	65.052	0.000	0.000	64.911	54.921	111.391	MWD+IFR1+MS
16000.000	90.000	359.944	10030.000	65.750	0.000	56.810	0.000	65.750	0.000	0.000	64.896	55.411	111.711	MWD+IFR1+MS
16100.000	90.000	359.944	10030.000	66.449	0.000	57.270	0.000	66.449	0.000	0.000	64.884	55.909	112.091	MWD+IFR1+MS
16200.000	90.000	359.944	10030.000	67.150	0.000	57.740	0.000	67.150	0.000	0.000	64.874	56.413	112.544	MWD+IFR1+MS
16300.000	90.000	359.944	10030.000	67.854	0.000	58.220	0.000	67.854	0.000	0.000	64.868	56.922	113.083	MWD+IFR1+MS
16400.000	90.000	359.944	10030.000	68.559	0.000	58.709	0.000	68.559	0.000	0.000	64.865	57.437	113.725	MWD+IFR1+MS
16500.000	90.000	359.944	10030.000	69.265	0.000	59.207	0.000	69.265	0.000	0.000	64.867	57.957	114.496	MWD+IFR1+MS
16600.000	90.000	359.944	10030.000	69.974	0.000	59.714	0.000	69.974	0.000	0.000	64.874	58.479	115.425	MWD+IFR1+MS
16700.000	90.000	359.944	10030.000	70.683	0.000	60.230	0.000	70.683	0.000	0.000	64.888	59.004	116.552	MWD+IFR1+MS
16800.000	90.000	359.944	10030.000	71.395	0.000	60.754	0.000	71.395	0.000	0.000	64.909	59.528	117.932	MWD+IFR1+MS
16900.000	90.000	359.944	10030.000	72.108	0.000	61.286	0.000	72.108	0.000	0.000	64.941	60.050	119.637	MWD+IFR1+MS
17000.000	90.000	359.944	10030.000	72.823	0.000	61.827	0.000	72.823	0.000	0.000	64.986	60.566	121.761	MWD+IFR1+MS
17100.000	90.000	359.944	10030.000	73.538	0.000	62.374	0.000	73.538	0.000	0.000	65.050	61.071	124.428	MWD+IFR1+MS
17200.000	90.000	359.944	10030.000	74.256	0.000	62.930	0.000	74.256	0.000	0.000	65.139	61.559	127.782	MWD+IFR1+MS
17300.000	90.000	359.944	10030.000	74.974	0.000	63.493	0.000	74.974	0.000	0.000	65.262	62.019	131.966	MWD+IFR1+MS
17400.000	90.000	359.944	10030.000	75.694	0.000	64.063	0.000	75.694	0.000	0.000	65.432	62.439	-42.955	MWD+IFR1+MS
17500.000	90.000	359.944	10030.000	76.416	0.000	64.640	0.000	76.416	0.000	0.000	65.662	62.806	-37.112	MWD+IFR1+MS
17600.000	90.000	359.944	10030.000	77.138	0.000	65.224	0.000	77.138	0.000	0.000	65.961	63.111	-30.914	MWD+IFR1+MS
17700.000	90.000	359.944	10030.000	77.862	0.000	65.814	0.000	77.862	0.000	0.000	66.332	63.351	-24.937	MWD+IFR1+MS
17800.000	90.000	359.944	10030.000	78.587	0.000	66.411	0.000	78.587	0.000	0.000	66.767	63.532	-19.648	MWD+IFR1+MS
17900.000	90.000	359.944	10030.000	79.313	0.000	67.014	0.000	79.313	0.000	0.000	67.254	63.668	-15.242	MWD+IFR1+MS
18000.000	90.000	359.944	10030.000	80.040	0.000	67.623	0.000	80.040	0.000	0.000	67.782	63.769	-11.688	MWD+IFR1+MS
18100.000	90.000	359.944	10030.000	80.768	0.000	68.238	0.000	80.768	0.000	0.000	68.340	63.845	-8.854	MWD+IFR1+MS
18200.000	90.000	359.944	10030.000	81.497	0.000	68.859	0.000	81.497	0.000	0.000	68.922	63.903	-6.592	MWD+IFR1+MS
18300.000	90.000	359.944	10030.000	82.228	0.000	69.486	0.000	82.228	0.000	0.000	69.522	63.949	-4.772	MWD+IFR1+MS
18400.000	90.000	359.944	10030.000	82.959	0.000	70.118	0.000	82.959	0.000	0.000	70.136	63.985	-3.293	MWD+IFR1+MS
18500.000	90.000	359.944	10030.000	83.691	0.000	70.755	0.000	83.691	0.000	0.000	70.763	64.015	-2.079	MWD+IFR1+MS
18600.000	90.000	359.944	10030.000	84.424	0.000	71.398	0.000	84.424	0.000	0.000	71.400	64.040	-1.070	MWD+IFR1+MS
18700.000	90.000	359.944	10030.000	85.159	0.000	72.045	0.000	85.159	0.000	0.000	72.045	64.061	-0.225	MWD+IFR1+MS
18800.000	90.000	359.944	10030.000	85.894	0.000	72.698	0.000	85.894	0.000	0.000	72.698	64.080	0.490	MWD+IFR1+MS
18900.000	90.000	359.944	10030.000	86.629	0.000	73.355	0.000	86.629	0.000	0.000	73.358	64.096	1.099	MWD+IFR1+MS
19000.000	90.000	359.944	10030.000	87.366	0.000	74.017	0.000	87.366	0.000	0.000	74.025	64.111	1.623	MWD+IFR1+MS



19100.000	90.000	359.944	10030.000	88.104	0.000	74.683	0.000	88.104	0.000	74.697	64.125	2.075	MWD+IFR1+MS
19200.000	90.000	359.944	10030.000	88.842	0.000	75.354	0.000	88.842	0.000	75.374	64.137	2.468	MWD+IFR1+MS
19300.000	90.000	359.944	10030.000	89.581	0.000	76.029	0.000	89.581	0.000	76.056	64.149	2.811	MWD+IFR1+MS
19400.000	90.000	359.944	10030.000	90.321	0.000	76.708	0.000	90.321	0.000	76.743	64.161	3.112	MWD+IFR1+MS
19500.000	90.000	359.944	10030.000	91.062	0.000	77.391	0.000	91.062	0.000	77.435	64.173	3.378	MWD+IFR1+MS
19600.000	90.000	359.944	10030.000	91.803	0.000	78.079	0.000	91.803	0.000	78.131	64.184	3.612	MWD+IFR1+MS
19700.000	90.000	359.944	10030.000	92.545	0.000	78.770	0.000	92.545	0.000	78.831	64.195	3.819	MWD+IFR1+MS
19800.000	90.000	359.944	10030.000	93.288	0.000	79.465	0.000	93.288	0.000	79.534	64.206	4.004	MWD+IFR1+MS
19900.000	90.000	359.944	10030.000	94.032	0.000	80.163	0.000	94.032	0.000	80.242	64.217	4.168	MWD+IFR1+MS
20000.000	90.000	359.944	10030.000	94.776	0.000	80.865	0.000	94.776	0.000	80.952	64.229	4.314	MWD+IFR1+MS
20100.000	90.000	359.944	10030.000	95.521	0.000	81.571	0.000	95.521	0.000	81.667	64.241	4.444	MWD+IFR1+MS
20200.000	90.000	359.944	10030.000	96.266	0.000	82.280	0.000	96.266	0.000	82.385	64.252	4.561	MWD+IFR1+MS
20300.000	90.000	359.944	10030.000	97.012	0.000	82.992	0.000	97.012	0.000	83.105	64.265	4.665	MWD+IFR1+MS
20400.000	90.000	359.944	10030.000	97.759	0.000	83.708	0.000	97.759	0.000	83.829	64.277	4.759	MWD+IFR1+MS
20500.000	90.000	359.944	10030.000	98.506	0.000	84.426	0.000	98.506	0.000	84.556	64.290	4.842	MWD+IFR1+MS
20600.000	90.000	359.944	10030.000	99.254	0.000	85.148	0.000	99.254	0.000	85.286	64.303	4.917	MWD+IFR1+MS
20700.000	90.000	359.944	10030.000	100.003	0.000	85.872	0.000	100.003	0.000	86.019	64.316	4.984	MWD+IFR1+MS
20800.000	90.000	359.944	10030.000	100.751	0.000	86.600	0.000	100.751	0.000	86.754	64.330	5.043	MWD+IFR1+MS
20900.000	90.000	359.944	10030.000	101.501	0.000	87.330	0.000	101.501	0.000	87.492	64.345	5.097	MWD+IFR1+MS
21000.000	90.000	359.944	10030.000	102.251	0.000	88.063	0.000	102.251	0.000	88.233	64.359	5.144	MWD+IFR1+MS
21100.000	90.000	359.944	10030.000	103.002	0.000	88.799	0.000	103.002	0.000	88.976	64.374	5.186	MWD+IFR1+MS
21200.000	90.000	359.944	10030.000	103.753	0.000	89.537	0.000	103.753	0.000	89.722	64.390	5.223	MWD+IFR1+MS
21300.000	90.000	359.944	10030.000	104.504	0.000	90.278	0.000	104.504	0.000	90.470	64.406	5.256	MWD+IFR1+MS
21400.000	90.000	359.944	10030.000	105.256	0.000	91.022	0.000	105.256	0.000	91.220	64.422	5.285	MWD+IFR1+MS
21500.000	90.000	359.944	10030.000	106.009	0.000	91.768	0.000	106.009	0.000	91.973	64.439	5.310	MWD+IFR1+MS
21600.000	90.000	359.944	10030.000	106.762	0.000	92.516	0.000	106.762	0.000	92.728	64.456	5.332	MWD+IFR1+MS
21700.000	90.000	359.944	10030.000	107.515	0.000	93.267	0.000	107.515	0.000	93.484	64.474	5.351	MWD+IFR1+MS
21800.000	90.000	359.944	10030.000	108.269	0.000	94.019	0.000	108.269	0.000	94.243	64.492	5.367	MWD+IFR1+MS
21900.000	90.000	359.944	10030.000	109.024	0.000	94.774	0.000	109.024	0.000	95.004	64.511	5.380	MWD+IFR1+MS
22000.000	90.000	359.944	10030.000	109.778	0.000	95.532	0.000	109.778	0.000	95.767	64.530	5.391	MWD+IFR1+MS
22100.000	90.000	359.944	10030.000	110.533	0.000	96.291	0.000	110.533	0.000	96.532	64.549	5.400	MWD+IFR1+MS
22200.000	90.000	359.944	10030.000	111.289	0.000	97.052	0.000	111.289	0.000	97.299	64.569	5.406	MWD+IFR1+MS
22251.864	90.000	359.944	10030.000	111.680	0.000	97.447	0.000	111.680	0.000	97.696	64.580	5.409	MWD+IFR1+MS

11/2/23, 12:10 PM

Well Plan Report

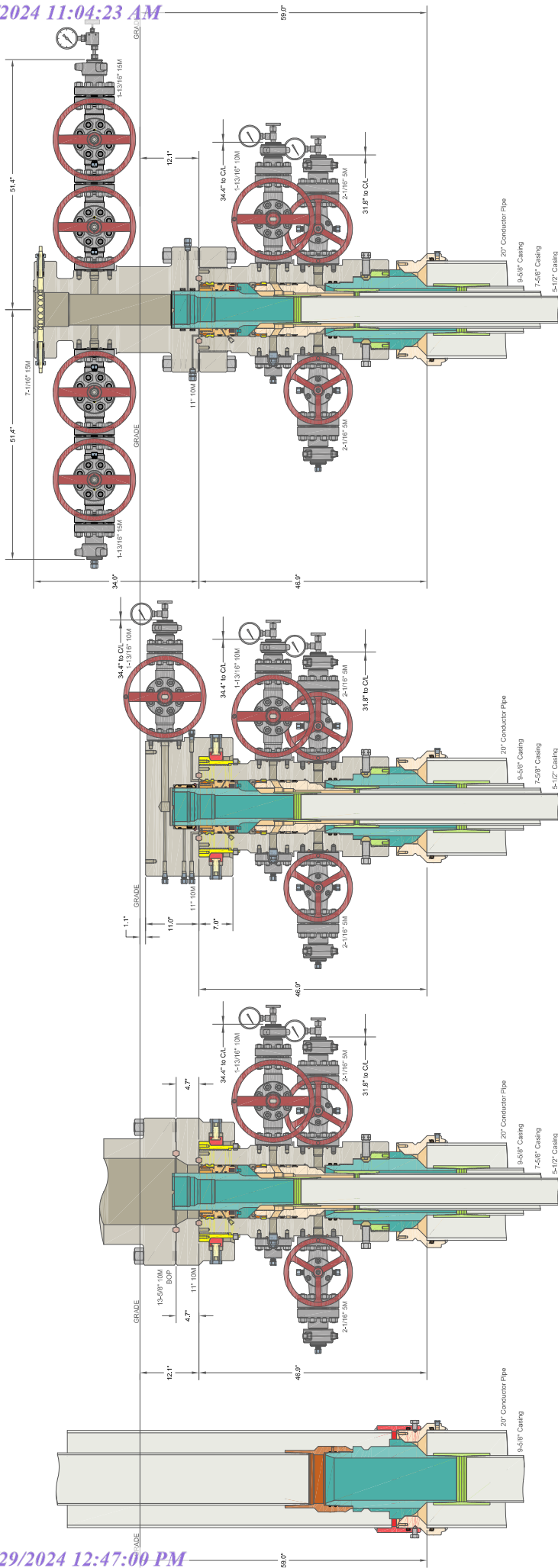
22300.000	90.000	359.944	10030.000	112.044	0.000	97.813	0.000	112.044	0.000	98.065	64.589	5.412	MWD+IFR1+MS
22350.611	90.000	359.944	10030.000	112.426	0.000	98.198	0.000	112.426	0.000	98.454	64.600	5.414	MWD+IFR1+MS

PLU 29-20 151H

Plan Targets	Measured Depth	Grid Northing	Grid Easting	TVD MSL	Target Shape
Target Name	(ft)	(ft)	(ft)	(ft)	
FTP 4	12277.52	401485.10	668401.80	6633.00	RECTANGLE
LTP 4	22251.86	411459.40	668392.00	6633.00	RECTANGLE
BHL 4	22351.17	411558.40	668391.40	6633.00	RECTANGLE

file:///C:/Users/arsriva/Landmark/DecisionSpace/WellPlanning/Reports/PLU2920151H.HTML





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
		APPROV	31MAR22
		DRAWING NO. HBE0000479	

INFORMATION CONTAINED HEREIN IS THE PROPERTY OF CACTUS WELLHEAD, LLC. REPRODUCTION, IN WHOLE OR IN PART, WITHOUT PERMISSION IS PROHIBITED. THIS DOCUMENT IS NOT TO BE USED FOR ANY PURPOSES OTHER THAN THAT AUTHORIZED BY CACTUS WELLHEAD, LLC.

**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 313469

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 313469
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	All original COA's still apply. Additionally, if cement is not circulated to surface during cementing operations, then a CBL is required.	2/29/2024