

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

Well Name: POKER LAKE UNIT 22 DTD	Well Location: T24S / R30E / SEC 22 / NENW /	County or Parish/State:
Well Number: 171H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM068905	Unit or CA Name:	Unit or CA Number:
US Well Number: 3001549877	Well Status: Approved Application for Permit to Drill	Operator: XTO PERMIAN OPERATING LLC

Notice of Intent

Sundry ID: 2761879

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 11/16/2023

Time Sundry Submitted: 11:46

Date proposed operation will begin: 11/27/2023

Procedure Description: XTO Permian Operating LLC. respectfully requests approval to make changes to the Approved APD as follows: SHL, BHL, FTP, LTP and Directional Drilling Plan. SHL: FROM: 203' FNL & 1566' FWL TO: 13' FNL & 2054' FWL of Section 22-T24S-R30E BHL: FROM: 200' FNL & 889' FWL TO: 230' FNL & 2560' FEL of Section 3-T24S-R30E FTP: FROM: 100' FNL & 890' FWL TO: 500' FNL & 2560' FEL of Section 22-T24S-R30E LTP: FROM: 330' FNL & 889' FWL TO: 330' FNL & 2560' FEL of Section 3-T24S-R30E ATTACHMENTS: New C-102, Directional Plan, Wellhead Design

NOI Attachments

Procedure Description

POKER_LAKE_UNIT_22_DTD_171H_C_102_signed_11_10_2023_20231214155433.pdf

Poker_Lake_Unit_22_DTD_171H_sundry_attachments_11_16_2023_20231116114557.pdf

Well Name: POKER LAKE UNIT 22
DTD**Well Location:** T24S / R30E / SEC 22 /
NENW /**County or Parish/State:****Well Number:** 171H**Type of Well:** CONVENTIONAL GAS
WELL**Allottee or Tribe Name:****Lease Number:** NMNM068905**Unit or CA Name:****Unit or CA Number:****US Well Number:** 3001549877**Well Status:** Approved Application for
Permit to Drill**Operator:** XTO PERMIAN
OPERATING LLC

Conditions of Approval

Additional

Sec_22_24S_30E_NMP_Sundry_2761879_Poker_Lake_Unit_22_DTD_171H_COAs_20231226114426.pdf

Operator

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

Operator Electronic Signature: RANELL (RUSTY) KLEIN**Signed on:** DEC 14, 2023 03:54 PM**Name:** XTO PERMIAN OPERATING LLC**Title:** Regulatory Analyst**Street Address:** 6401 HOLIDAY HILL ROAD BLDG 5**City:** MIDLAND**State:** TX**Phone:** (432) 620-6700**Email address:** RANELL.KLEIN@EXXONMOBIL.COM

Field

Representative Name:**Street Address:****City:****State:****Zip:****Phone:****Email address:**

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS**BLM POC Title:** Petroleum Engineer**BLM POC Phone:** 5752342234**BLM POC Email Address:** cwalls@blm.gov**Disposition:** Approved**Disposition Date:** 01/05/2024

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 <i>Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.</i>		5. Lease Serial No. NMLC068905
		6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2		7. If Unit of CA/Agreement, Name and/or No.
1. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other		8. Well Name and No. POKER LAKE UNIT 22 DTD/171H
2. Name of Operator XTO PERMIAN OPERATING LLC		9. API Well No. 3001549877
3a. Address 6401 HOLIDAY HILL ROAD BLDG 5, MIDLAND,	3b. Phone No. (include area code) (432) 683-2277	10. Field and Pool or Exploratory Area PURPLE SAGE/WOLFCAMP (GAS)
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description) SEC 22/T24S/R30E/NMP		11. Country or Parish, State EDDY/NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA					
TYPE OF SUBMISSION		TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off	
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity	
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other	
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon		
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or 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.)

XTO Permian Operating LLC. respectfully requests approval to make changes to the Approved APD as follows: SHL, BHL, FTP, LTP and Directional Drilling Plan.

SHL: FROM: 203 FNL & 1566 FWL TO: 13 FNL & 2054 FWL of Section 22-T24S-R30E
BHL: FROM: 200 FNL & 889 FWL TO: 230 FNL & 2560 FEL of Section 3-T24S-R30E
FTP: FROM: 100 FNL & 890 FWL TO: 500 FNL & 2560 FEL of Section 22-T24S-R30E
LTP: FROM: 330 FNL & 889 FWL TO: 330 FNL & 2560 FEL of Section 3-T24S-R30E

ATTACHMENTS: New C-102, Directional Plan, Wellhead Design

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) RANELL (RUSTY) KLEIN / Ph: (432) 620-6700	Title Regulatory Analyst
Signature (Electronic Submission)	Date 12/14/2023

THE SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by CHRISTOPHER WALLS / Ph: (575) 234-2234 / Approved	Title Petroleum Engineer	Date 01/05/2024
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

Location of Well

0. SHL: NENW / 203 FNL / 1566 FWL / TWSP: 24S / RANGE: 30E / SECTION: 22 / LAT: 32.209971 / LONG: -103.872624 (TVD: 0 feet, MD: 0 feet)

PPP: SWNW / 100 FSL / 1577 FWL / TWSP: 24S / RANGE: 30E / SECTION: 15 / LAT: 32.210805 / LONG: -103.872488 (TVD: 11190 feet, MD: 14186 feet)

PPP: SWSW / 100 FSL / 890 FWL / TWSP: 24S / RANGE: 30E / SECTION: 15 / LAT: 32.21079 / LONG: -103.874709 (TVD: 11190 feet, MD: 11546 feet)

PPP: SWNW / 300 FNL / 313 FWL / TWSP: 24S / RANGE: 30E / SECTION: 10 / LAT: 32.253158 / LONG: -103.876545 (TVD: 11190 feet, MD: 16826 feet)

BHL: LOT 4 / 200 FNL / 889 FWL / TWSP: 24S / RANGE: 30E / SECTION: 3 / LAT: 32.253518 / LONG: -103.874682 (TVD: 11190 feet, MD: 27090 feet)

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO Permian Operating LLC
WELL NAME & NO.:	Poker Lake Unit 22 DTD 171H
LOCATION:	Sec 22-24S-30E-NMP
COUNTY:	Eddy County, New Mexico

*Changes approved through engineering via **Sundry 2761879** on 12/26/2023. Any previous COAs not addressed within the updated COAs still apply.*

COA

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

A. HYDROGEN SULFIDE

Hydrogen Sulfide (H₂S) monitors shall be installed prior to drilling out the surface shoe. If H₂S is detected in concentrations greater than 100 ppm, the Hydrogen Sulfide area shall meet 43 CFR 3176 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.

B. CASING

1. The **13-3/8** inch surface casing shall be set at approximately 802 feet (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8**

hours or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)

- c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.
2. The minimum required fill of cement behind the **9-5/8** 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 6174'**
- 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.

Operator has proposed to pump down 13-3/8" X 9-5/8" 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 9-5/8" casing to surface after the second stage BH to verify TOC.

Submit results to the BLM. No displacement fluid/wash out shall be utilized at the top of the cement slurry between second stage BH and top out.

If cement does not reach surface, the next casing string must come to surface.

Operator must use a limited flush fluid volume of 1 bbl following backside cementing procedures.

3. The minimum required fill of cement behind the **6** inch production casing is:
- Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

C. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'

2. Operator has proposed a multi-bowl wellhead assembly. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 5000 (5M) psi.
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
 - e. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172 must be followed.

D. SPECIAL REQUIREMENT (S)

Unit Wells

The well sign for a unit well shall include the unit number in addition to the surface and bottom hole lease numbers. This also applies to participating area numbers. If a participating area has not been established, the operator can use the general unit designation, but will replace the unit number with the participating area number when the sign is replaced.

Commercial Well Determination

A commercial well determination shall be submitted after production has been established for at least six months.

BOPE Break Testing Variance

- BOPE Break Testing is ONLY permitted for 5M BOPE or less. **(Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP)**
- BOPE Break Testing is NOT permitted to drilling the production hole section.
- Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation.
- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer **(575-706-2779)** prior to the commencement of any BOPE Break Testing operations.
- A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
- The BLM is to be contacted (575-361-2822 Eddy County) 4 hours prior to BOPE tests.

- As a minimum, a full BOPE test shall be performed at 21-day intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per Onshore Oil and Gas Order No. 2.
- If in the event break testing is not utilized, then a full BOPE test would be conducted.

Offline Cementing

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

GENERAL REQUIREMENTS

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

- 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 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - BOP/BOPE test to be conducted per **43 CFR part 3170 Subpart 3172** as soon as 2nd Rig is rigged up on well.
 - 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

¹ API Number 30-015-49877	² Pool Code 98220	³ Pool Name Purple Sage; Wolfcamp (gas)
⁴ Property Code 333192	⁵ Property Name POKER LAKE UNIT 22 DTD	⁶ Well Number 171H
⁷ OGRID No. 373075	⁸ Operator Name XTO PERMIAN OPERATING, LLC.	⁹ Elevation 3,430'

¹⁰ Surface Location

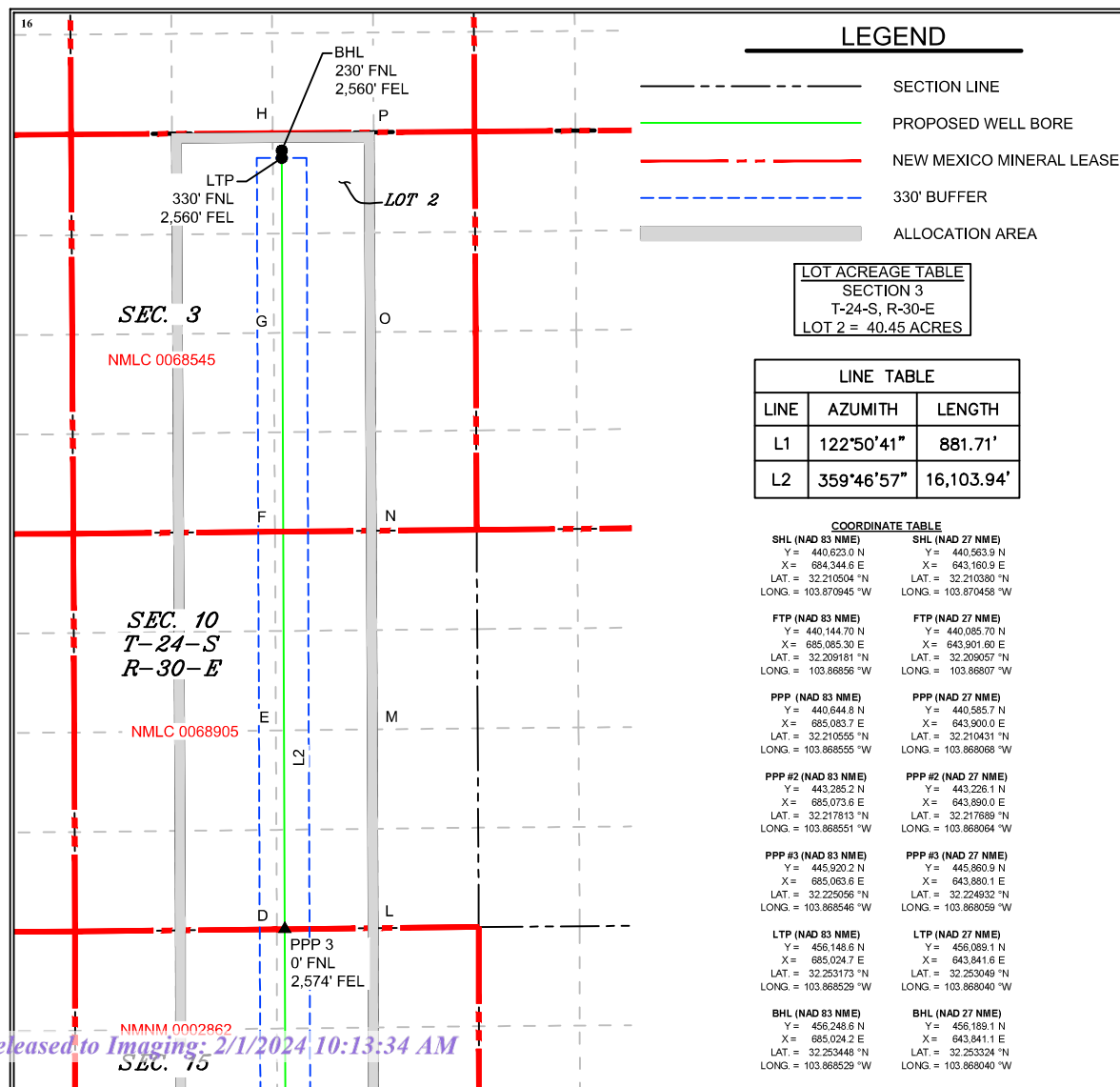
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	22	24S	30E		13	NORTH	2,054	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
2	3	24S	30E		230	NORTH	2,560	EAST	EDDY

¹² Dedicated Acres 961.04	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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.



¹⁷ OPERATOR
CERTIFICATION

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

Rusty Klein 11-10-23

Signature Date

RUSTY KLEIN

Printed Name

ranell.klein@exxonmobil.com

E-mail Address

¹⁸ SURVEYOR
CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

10-31-2023

Date of Survey

Signature and Seal of
Professional Surveyor:

Intent ☒ As Drilled ☐

API # 30015		
Operator Name: XTO PERMIAN OPERATING, LLC	Property Name: Poker Lake Unit 22 DTD	Well Number 171H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude				NAD

First Take Point (FTP)

UL B	Section 22	Township 24S	Range 30E	Lot	Feet 500	From N/S North	Feet 2,560	From E/W East	County Eddy
Latitude 32.209181					Longitude 103.86856				NAD 83

Last Take Point (LTP)

UL 2	Section 3	Township 24S	Range 30E	Lot	Feet 330	From N/S North	Feet 2,560	From E/W East	County Eddy
Latitude 32.253173					Longitude 103.868529				NAD 83

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

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

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

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

District IV
1220 S St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3460 Fax: (505) 476-3462

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

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

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-49877	² Pool Code 98220	³ Pool Name Purple Sage, Wolfcamp (gas)
⁴ Property Code 333192	⁵ Property Name POKER LAKE UNIT 22 DTD	⁶ Well Number 171H
⁷ OGRID No. 373075	⁸ Operator Name XTO PERMIAN OPERATING, LLC.	⁹ Elevation 3,430'

¹⁰ Surface Location

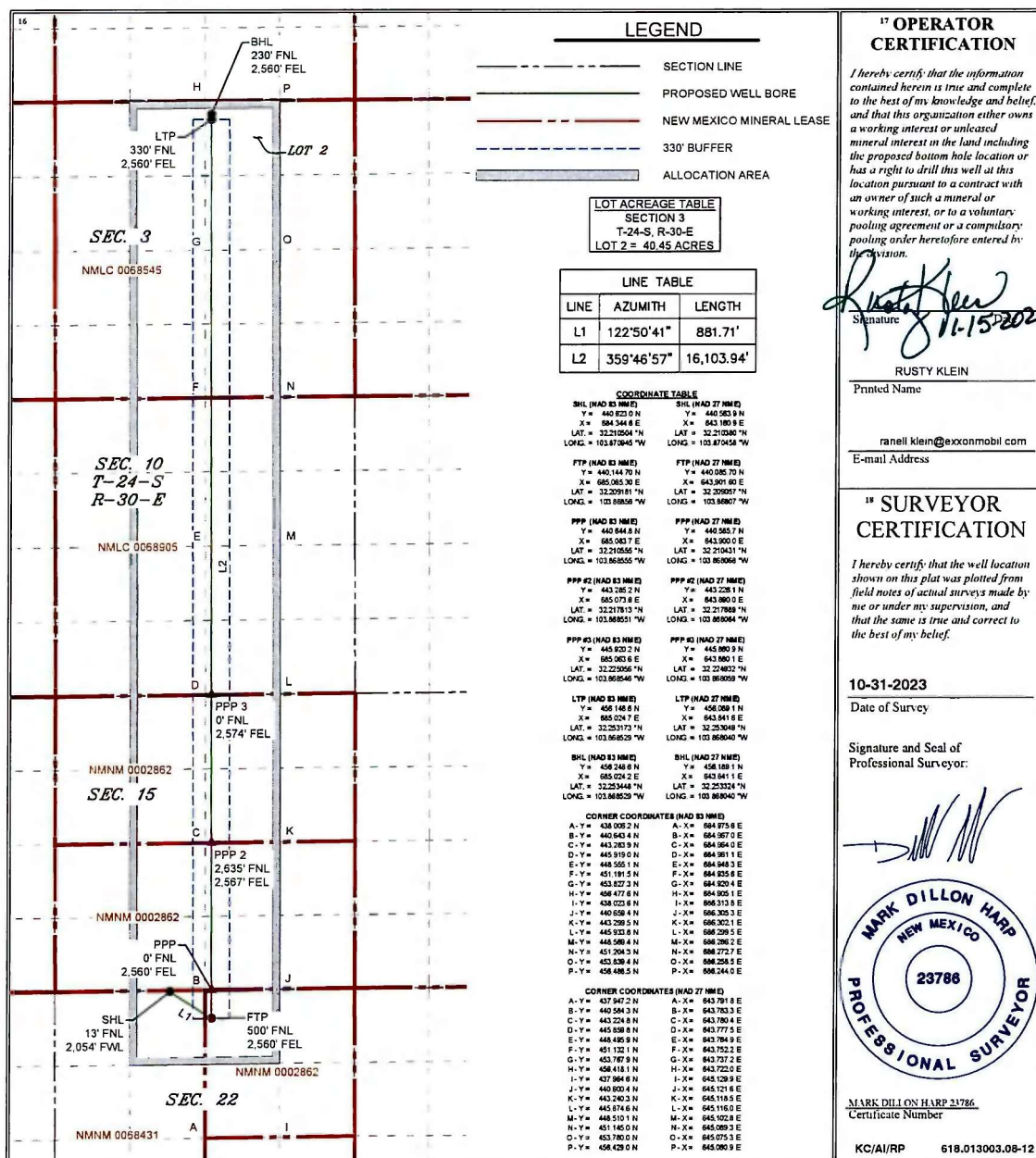
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	22	24S	30E	13		NORTH	2,054	WEST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
2	3	24S	30E	230		NORTH	2,560	EAST	EDDY

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
961.04			

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.



Intent ☒ As Drilled ☐

API #

30015

Operator Name:
XTO PERMIAN OPERATING, LLCProperty Name:
Poker Lake Unit 22 DTDWell Number
171H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
Latitude					Longitude			NAD	

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
B	22	24S	30E		500	North	2,560	East	Eddy
Latitude 32.209181					Longitude 103.86856			NAD 83	

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
2	3	24S	30E		330	North	2,560	East	Eddy
Latitude 32.253173					Longitude 103.868529			NAD 83	

Is this well the defining well for the Horizontal Spacing Unit? ☐Is this well an infill well? ☐

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #

Operator Name:

Property Name:

Well Number

KZ 06/29/2018

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

XTO Energy Inc.

POKER LAKE UNIT 22 DTD 171H

Projected TD: 28876' MD / 12144' TVD

SHL: 13' FNL & 2054' FWL , Section 22, T24S, R30E

BHL: 230' FNL & 2560' FEL , Section 3, T24S, R30E

Eddy County, NM

1. Geologic Name of Surface Formation

A. Quaternary

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

Formation	Well Depth (TVD)	Water/Oil/Gas
Rustler	702'	Water
Top of Salt	1107'	Water
Base of Salt	3750'	Water
Delaware	3991'	Water
Brushy Canyon	6174'	Water/Oil/Gas
Bone Spring	7842'	Water
1st Bone Spring	8640'	Water/Oil/Gas
2nd Bone Spring	9164'	Water/Oil/Gas
3rd Bone Spring	9919'	Water/Oil/Gas
Wolfcamp	11070'	Water/Oil/Gas
Wolfcamp X	11113'	Water/Oil/Gas
Wolfcamp Y	11195'	Water/Oil/Gas
Wolfcamp A	11244'	Water/Oil/Gas
Wolfcamp B	11673'	Water/Oil/Gas
Wolfcamp D	12044'	Water/Oil/Gas
Wolfcamp E	12585'	Water/Oil/Gas
Target/Land Curve	12144'	Water/Oil/Gas

*** Hydrocarbons @ Brushy Canyon

*** Groundwater depth 40' (per NM State Engineers Office).

No other formations are expected to yield oil, gas or fresh water in measurable volumes. The surface fresh water sands will be protected by setting 13.375 inch casing @ 802' (305' 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 9.625 inch casing at 11228' and cemented to surface. A 8.5 inch curve and 8.5 inch lateral hole will be drilled to 28876 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 10928 feet).

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
17.5	0' – 802'	13.375	68	HC L-80	BTC	New	1.63	7.59	28.33
12.25	0' – 4000'	9.625	40	HC P-110	BTC	New	1.43	2.14	2.82
12.25	4000' – 11228'	9.625	40	HC L-80	BTC	New	1.04	1.35	3.17
8.5	0' – 11128'	5.5	23	RY P-110	Semi-Premium	New	1.21	1.93	1.60
8.5	11128' - 28876'	5.5	23	RY P-110	Semi-Flush	New	1.21	1.77	1.67

· 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

- 9.625 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: 13-5/8" 10M top flange x 13-3/8" SOW bottom (or equivalent)
- B. Tubing Head: 13-5/8" 10M bottom flange x 7-1/16" 15M top flange (or equivalent)
 - Wellhead will be installed by manufacturer's representatives.
 - Manufacturer will monitor welding process to ensure appropriate temperature of seal.
 - Operator will test the 9-5/8" casing per BLM Onshore Order 2
 - Wellhead Manufacturer representative will not be present for BOP test plug installation

4. Cement Program**Surface Casing: 13.375, 68 New BTC, HC L-80 casing to be set at +/- 802'**

Lead: 370 sxs EconoCem-HLTRRC (mixed at 10.5 ppg, 1.87 ft³/sx, 10.13 gal/sx water)

Tail: 300 sxs Class C + 2% CaCl (mixed at 14.8 ppg, 1.35 ft³/sx, 6.39 gal/sx water)

Top of Cement: Surface

Compressives: 12-hr = 900 psi 24 hr = 1500 psi

2nd Intermediate Casing: 9.625, 40 New casing to be set at +/- 11228'1st Stage

Optional Lead: 1040 sxs Class C (mixed at 10.5 ppg, 2.77 ft³/sx, 15.59 gal/sx water)

TOC: Surface

Tail: 1460 sxs Class C (mixed at 14.8 ppg, 1.35 ft³/sx, 6.39 gal/sx water)

TOC: Brushy Canyon @ 6174

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

2nd Stage

Lead: 0 sxs Class C (mixed at 12.9 ppg, 2.16 ft³/sx, 9.61 gal/sx water)

Tail: 2180 sxs Class C (mixed at 14.8 ppg, 1.33 ft³/sx, 6.39 gal/sx water)

Top of Cement: 0

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

XTO requests to pump a two stage cement job on the 7-5/8" intermediate casing string with the first stage being pumped conventionally with the calculated top of cement at the Brush Canyon (6174') 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, 23 New Semi-Flush, RY P-110 casing to be set at +/- 28876'

Lead: 70 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft³/sx, 15.00 gal/sx water) Top of Cement: 10928 feet

Tail: 3390 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft³/sx, 8.38 gal/sx water) Top of Cement: 11648 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 13.375 casing, the blow out preventer equipment (BOP) will consist of a 13-5/8" minimum 10M Hydril and a 13-5/8" minimum 10M Double Ram BOP. MASP should not exceed 5538 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 13.375, 10M bradenhead and flange, the BOP test will be limited to 10000 psi. When nipping up on the 9.625, the BOP will be tested to a minimum of 10000 psi. All BOP tests will include a low pressure test as per BLM regulations. The 10M BOP diagrams are attached. Blind rams will be functioned tested each trip, pipe rams will be functioned tested each day.

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

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

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

6. Proposed Mud Circulation System

INTERVAL	Hole Size	Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)
0' - 802'	17.5	FW/Native	8-9	35-40	NC
802' - 11228'	12.25	FW / Cut Brine / Direct Emulsion	9-10	30-32	NC
11228' - 28876'	8.5	OBM	12.5-13.5	50-60	NC - 20

The necessary mud products for weight addition and fluid loss control will be on location at all times.

Spud with fresh water/native mud. Drill out from under 9-5/8" surface casing with brine solution. A 9.7 ppg - 10.2 ppg cut brine mud will be used while drilling through the salt formation. Use fibrous materials as needed to control seepage and lost circulation. Pump viscous sweeps as needed for hole cleaning. Pump speed will be recorded on a daily drilling report after mudding up. A Pason or Totco will be used to detect changes in loss or gain of mud volume. A mud test will be performed every 24 hours to determine: density, viscosity, strength, filtration and pH as necessary. Use available solids controls equipment to help keep mud weight down after mud up. Rig up solids control equipment to operate as a closed loop system.

7. Auxiliary Well Control and Monitoring Equipment

- A. A Kelly cock will be in the drill string at all times.
- B. A full opening drill pipe stabbing valve having appropriate connections will be on the rig floor at all times.
- C. H2S monitors will be on location when drilling below the 13.375 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 185 to 205 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 8209 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.

11/8/23, 12:22 PM

Well Plan Report

Well Plan Report - POKER LAKE UNIT 22 DTD 171H 30-015-49877

Measured Depth: 28876.59 ft
TVD RKB: 12144.00 ft
Location
Cartographic Reference System: New Mexico East - NAD 27
Northing: 440563.90 ft
Easting: 643160.90 ft
RKB: 3462.00 ft
Ground Level: 3430.00 ft
North Reference: Grid
Convergence Angle: 0.25 Deg

Plan Sections POKER LAKE UNIT 22 DTD 171H

Measured Depth (ft)	Inclination (Deg)	Azimuth (Deg)	TVD		Y Offset (ft)	X Offset (ft)	Build		Turn		Dogleg	
			RKB	(ft)			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	0.00
1100.00	0.00	0.00	1100.00	1100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2062.56	19.25	148.10	2044.55	2044.55	-136.00	84.65	2.00	0.00	0.00	0.00	2.00	2.00
5357.71	19.25	148.10	5155.45	5155.45	-1058.39	658.74	0.00	0.00	0.00	0.00	0.00	0.00
6320.28	0.00	0.00	6100.00	6100.00	-1194.39	743.39	-2.00	0.00	0.00	0.00	2.00	2.00
11648.08	0.00	0.00	11427.80	11427.80	-1194.39	743.39	0.00	0.00	0.00	0.00	0.00	0.00
12773.08	90.00	359.79	12144.00	12144.00	-478.20	740.70	8.00	0.00	0.00	0.00	8.00	FTP 13
28776.59	90.00	359.79	12144.00	12144.00	15525.20	680.70	0.00	0.00	0.00	0.00	0.00	LTP 13
28876.59	90.00	359.79	12144.00	12144.00	15625.19	680.33	0.00	0.00	0.00	0.00	0.00	BHL 13

Position Uncertainty POKER LAKE UNIT 22 DTD 171H

Measured	TVD	Highside	Lateral	Vertical	Magnitude	Semi-major	Semi-minor	Semi-minor	Tool
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Well Plan Report

11/8/23, 12:22 PM

Depth (ft)	Inclination (°)	Azimuth (°)	RKB (ft)	Error (ft)	Bias (ft)	Error (ft)	Bias (ft)	Error (ft)	Bias (ft)	Error (ft)	of Bias (ft)	Error (ft)	Error (ft)	Azimuth (°)	Used
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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	0.751	0.220	112.264	MWD+IFR1+MS
200.000	0.000	0.000	200.000	1.112	0.000	0.861	0.000	2.310	0.000	1.259	0.000	1.259	0.627	122.711	MWD+IFR1+MS
300.000	0.000	0.000	300.000	1.497	0.000	1.271	0.000	2.326	0.000	1.698	0.000	1.698	0.986	125.469	MWD+IFR1+MS
400.000	0.000	0.000	400.000	1.871	0.000	1.658	0.000	2.347	0.000	2.108	0.000	2.108	1.344	126.713	MWD+IFR1+MS
500.000	0.000	0.000	500.000	2.240	0.000	2.034	0.000	2.375	0.000	2.503	0.000	2.503	1.701	127.419	MWD+IFR1+MS
600.000	0.000	0.000	600.000	2.607	0.000	2.405	0.000	2.407	0.000	2.888	0.000	2.888	2.059	127.873	MWD+IFR1+MS
700.000	0.000	0.000	700.000	2.971	0.000	2.773	0.000	2.445	0.000	3.267	0.000	3.267	2.417	128.190	MWD+IFR1+MS
800.000	0.000	0.000	800.000	3.334	0.000	3.138	0.000	2.486	0.000	3.642	0.000	3.642	2.775	128.423	MWD+IFR1+MS
900.000	0.000	0.000	900.000	3.696	0.000	3.502	0.000	2.533	0.000	4.014	0.000	4.014	3.133	128.602	MWD+IFR1+MS
1000.000	0.000	0.000	1000.000	4.058	0.000	3.865	0.000	2.583	0.000	4.384	0.000	4.384	3.491	128.744	MWD+IFR1+MS
1100.000	0.000	0.000	1100.000	4.419	0.000	4.228	0.000	2.636	0.000	4.752	0.000	4.752	3.849	128.859	MWD+IFR1+MS
1200.000	2.000	148.102	1199.980	4.423	0.000	4.947	-0.000	2.693	0.000	5.042	0.000	5.042	4.317	126.154	MWD+IFR1+MS
1300.000	4.000	148.102	1299.838	5.276	0.000	5.261	-0.000	2.753	0.000	5.622	0.000	5.622	4.897	102.227	MWD+IFR1+MS
1400.000	6.000	148.102	1399.452	6.023	0.000	5.580	-0.000	2.818	0.000	6.302	0.000	6.302	5.282	89.698	MWD+IFR1+MS
1500.000	8.000	148.102	1498.702	6.700	0.000	5.906	-0.000	2.892	0.000	6.970	0.000	6.970	5.618	84.295	MWD+IFR1+MS
1600.000	10.000	148.102	1597.465	7.325	0.000	6.237	-0.000	2.975	0.000	7.603	0.000	7.603	5.946	81.534	MWD+IFR1+MS
1700.000	12.000	148.102	1695.623	7.908	0.000	6.575	-0.000	3.069	0.000	8.204	0.000	8.204	6.275	79.926	MWD+IFR1+MS
1800.000	14.000	148.102	1793.055	8.457	0.000	6.921	-0.000	3.177	0.000	8.778	0.000	8.778	6.610	78.915	MWD+IFR1+MS
1900.000	16.000	148.102	1889.643	8.979	0.000	7.276	-0.000	3.301	0.000	9.327	0.000	9.327	6.953	78.256	MWD+IFR1+MS
2000.000	18.000	148.102	1985.268	9.477	0.000	7.639	-0.000	3.441	0.000	9.857	0.000	9.857	7.305	77.830	MWD+IFR1+MS
2062.564	19.251	148.102	2044.555	9.676	0.000	7.863	-0.000	3.505	0.000	10.085	0.000	10.085	7.530	77.822	MWD+IFR1+MS
2100.000	19.251	148.102	2079.897	9.781	0.000	7.996	-0.000	3.537	0.000	10.187	0.000	10.187	7.666	77.915	MWD+IFR1+MS
2200.000	19.251	148.102	2174.305	10.065	0.000	8.368	-0.000	3.637	0.000	10.460	0.000	10.460	8.040	78.400	MWD+IFR1+MS
2300.000	19.251	148.102	2268.714	10.369	0.000	8.759	-0.000	3.746	0.000	10.756	0.000	10.756	8.425	79.102	MWD+IFR1+MS
2400.000	19.251	148.102	2363.122	10.680	0.000	9.156	-0.000	3.860	0.000	11.060	0.000	11.060	8.816	79.838	MWD+IFR1+MS
2500.000	19.251	148.102	2457.530	11.000	0.000	9.559	-0.000	3.977	0.000	11.371	0.000	11.371	9.212	80.612	MWD+IFR1+MS
2600.000	19.251	148.102	2551.938	11.326	0.000	9.966	-0.000	4.099	0.000	11.689	0.000	11.689	9.612	81.426	MWD+IFR1+MS
2700.000	19.251	148.102	2646.346	11.660	0.000	10.378	-0.000	4.225	0.000	12.014	0.000	12.014	10.016	82.284	MWD+IFR1+MS
2800.000	19.251	148.102	2740.754	11.999	0.000	10.793	-0.000	4.354	0.000	12.344	0.000	12.344	10.423	83.189	MWD+IFR1+MS
2900.000	19.251	148.102	2835.162	12.344	0.000	11.212	-0.000	4.486	0.000	12.681	0.000	12.681	10.832	84.144	MWD+IFR1+MS

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3000.000	19.251	148.102	2929.571	12.694	0.000	11.633	-0.000	4.622	0.000	0.000	13.022	11.243	85.153	MWD+IFR1+MS
3100.000	19.251	148.102	3023.979	13.048	0.000	12.057	-0.000	4.760	0.000	0.000	13.369	11.656	86.218	MWD+IFR1+MS
3200.000	19.251	148.102	3118.387	13.407	0.000	12.484	-0.000	4.900	0.000	0.000	13.721	12.070	87.343	MWD+IFR1+MS
3300.000	19.251	148.102	3212.795	13.770	0.000	12.912	-0.000	5.043	0.000	0.000	14.077	12.485	88.530	MWD+IFR1+MS
3400.000	19.251	148.102	3307.203	14.136	0.000	13.343	-0.000	5.189	0.000	0.000	14.438	12.902	89.781	MWD+IFR1+MS
3500.000	19.251	148.102	3401.611	14.506	0.000	13.775	-0.000	5.336	0.000	0.000	14.803	13.318	91.096	MWD+IFR1+MS
3600.000	19.251	148.102	3496.020	14.879	0.000	14.209	-0.000	5.486	0.000	0.000	15.173	13.735	92.478	MWD+IFR1+MS
3700.000	19.251	148.102	3590.428	15.254	0.000	14.644	-0.000	5.637	0.000	0.000	15.547	14.151	93.923	MWD+IFR1+MS
3800.000	19.251	148.102	3684.836	15.633	0.000	15.081	-0.000	5.791	0.000	0.000	15.925	14.568	95.432	MWD+IFR1+MS
3900.000	19.251	148.102	3779.244	16.014	0.000	15.519	-0.000	5.946	0.000	0.000	16.306	14.984	96.998	MWD+IFR1+MS
4000.000	19.251	148.102	3873.652	16.397	0.000	15.958	-0.000	6.103	0.000	0.000	16.692	15.399	98.618	MWD+IFR1+MS
4100.000	19.251	148.102	3968.060	16.783	0.000	16.397	-0.000	6.262	0.000	0.000	17.082	15.814	100.283	MWD+IFR1+MS
4200.000	19.251	148.102	4062.469	17.170	0.000	16.838	-0.000	6.422	0.000	0.000	17.475	16.227	101.984	MWD+IFR1+MS
4300.000	19.251	148.102	4156.877	17.559	0.000	17.280	-0.000	6.584	0.000	0.000	17.872	16.640	103.713	MWD+IFR1+MS
4400.000	19.251	148.102	4251.285	17.951	0.000	17.722	-0.000	6.748	0.000	0.000	18.272	17.051	105.456	MWD+IFR1+MS
4500.000	19.251	148.102	4345.693	18.343	0.000	18.166	-0.000	6.913	0.000	0.000	18.677	17.462	107.202	MWD+IFR1+MS
4600.000	19.251	148.102	4440.101	18.738	0.000	18.610	-0.000	7.079	0.000	0.000	19.084	17.871	108.938	MWD+IFR1+MS
4700.000	19.251	148.102	4534.509	19.133	0.000	19.054	-0.000	7.248	0.000	0.000	19.495	18.279	110.653	MWD+IFR1+MS
4800.000	19.251	148.102	4628.918	19.530	0.000	19.499	-0.000	7.417	0.000	0.000	19.908	18.686	112.336	MWD+IFR1+MS
4900.000	19.251	148.102	4723.326	19.929	0.000	19.945	-0.000	7.588	0.000	0.000	20.325	19.092	113.976	MWD+IFR1+MS
5000.000	19.251	148.102	4817.734	20.328	0.000	20.391	-0.000	7.761	0.000	0.000	20.745	19.496	115.565	MWD+IFR1+MS
5100.000	19.251	148.102	4912.142	20.729	0.000	20.838	-0.000	7.935	0.000	0.000	21.167	19.900	117.097	MWD+IFR1+MS
5200.000	19.251	148.102	5006.550	21.131	0.000	21.285	-0.000	8.110	0.000	0.000	21.591	20.303	118.568	MWD+IFR1+MS
5300.000	19.251	148.102	5100.958	21.534	0.000	21.733	-0.000	8.287	0.000	0.000	22.018	20.705	119.972	MWD+IFR1+MS
5357.714	19.251	148.102	5155.445	21.764	0.000	21.988	-0.000	8.389	0.000	0.000	22.260	20.936	120.814	MWD+IFR1+MS
5400.000	18.406	148.102	5195.468	21.955	0.000	22.173	-0.000	8.465	0.000	0.000	22.435	21.105	121.398	MWD+IFR1+MS
5500.000	16.406	148.102	5290.884	22.441	0.000	22.605	-0.000	8.651	0.000	0.000	22.867	21.532	121.453	MWD+IFR1+MS
5600.000	14.406	148.102	5387.286	22.950	0.000	23.028	-0.000	8.838	0.000	0.000	23.314	21.985	120.100	MWD+IFR1+MS
5700.000	12.406	148.102	5484.557	23.420	0.000	23.437	-0.000	9.010	0.000	0.000	23.750	22.428	118.611	MWD+IFR1+MS
5800.000	10.406	148.102	5582.577	23.851	0.000	23.831	-0.000	9.169	0.000	0.000	24.176	22.859	116.999	MWD+IFR1+MS
5900.000	8.406	148.102	5681.228	24.242	0.000	24.212	-0.000	9.316	0.000	0.000	24.590	23.276	115.278	MWD+IFR1+MS
6000.000	6.406	148.102	5780.388	24.593	0.000	24.578	-0.000	9.453	0.000	0.000	24.995	23.680	113.473	MWD+IFR1+MS
6100.000	4.406	148.102	5879.939	24.904	0.000	24.929	-0.000	9.581	0.000	0.000	25.388	24.068	111.610	MWD+IFR1+MS

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6200.000	2.406	148.102	5979.757	25.176	0.000	25.267	-0.000	9.702	0.000	0.000	25.772	24.441	109.720	MWD+IFR1+MS
6300.000	0.406	148.102	6079.722	25.408	0.000	25.591	-0.000	9.817	0.000	0.000	26.145	24.798	107.834	MWD+IFR1+MS
6320.278	0.000	0.000	6100.000	26.079	0.000	24.987	0.000	9.840	0.000	0.000	26.203	24.858	107.861	MWD+IFR1+MS
6400.000	0.000	0.000	6179.722	26.300	0.000	25.209	0.000	9.929	0.000	0.000	26.425	25.079	107.929	MWD+IFR1+MS
6500.000	0.000	0.000	6279.722	26.582	0.000	25.494	0.000	10.044	0.000	0.000	26.710	25.360	108.155	MWD+IFR1+MS
6600.000	0.000	0.000	6379.722	26.866	0.000	25.782	0.000	10.162	0.000	0.000	26.998	25.644	108.421	MWD+IFR1+MS
6700.000	0.000	0.000	6479.722	27.152	0.000	26.072	0.000	10.282	0.000	0.000	27.288	25.929	108.678	MWD+IFR1+MS
6800.000	0.000	0.000	6579.722	27.440	0.000	26.363	0.000	10.405	0.000	0.000	27.580	26.216	108.928	MWD+IFR1+MS
6900.000	0.000	0.000	6679.722	27.730	0.000	26.656	0.000	10.531	0.000	0.000	27.874	26.505	109.172	MWD+IFR1+MS
7000.000	0.000	0.000	6779.722	28.021	0.000	26.951	0.000	10.660	0.000	0.000	28.169	26.796	109.408	MWD+IFR1+MS
7100.000	0.000	0.000	6879.722	28.313	0.000	27.247	0.000	10.791	0.000	0.000	28.465	27.088	109.638	MWD+IFR1+MS
7200.000	0.000	0.000	6979.722	28.607	0.000	27.545	0.000	10.926	0.000	0.000	28.763	27.382	109.862	MWD+IFR1+MS
7300.000	0.000	0.000	7079.722	28.903	0.000	27.844	0.000	11.063	0.000	0.000	29.063	27.677	110.080	MWD+IFR1+MS
7400.000	0.000	0.000	7179.722	29.200	0.000	28.144	0.000	11.204	0.000	0.000	29.364	27.973	110.292	MWD+IFR1+MS
7500.000	0.000	0.000	7279.722	29.498	0.000	28.446	0.000	11.347	0.000	0.000	29.666	28.271	110.498	MWD+IFR1+MS
7600.000	0.000	0.000	7379.722	29.798	0.000	28.749	0.000	11.494	0.000	0.000	29.969	28.571	110.699	MWD+IFR1+MS
7700.000	0.000	0.000	7479.722	30.099	0.000	29.053	0.000	11.643	0.000	0.000	30.274	28.871	110.895	MWD+IFR1+MS
7800.000	0.000	0.000	7579.722	30.401	0.000	29.359	0.000	11.796	0.000	0.000	30.579	29.173	111.085	MWD+IFR1+MS
7900.000	0.000	0.000	7679.722	30.704	0.000	29.666	0.000	11.951	0.000	0.000	30.886	29.476	111.271	MWD+IFR1+MS
8000.000	0.000	0.000	7779.722	31.009	0.000	29.974	0.000	12.110	0.000	0.000	31.194	29.781	111.452	MWD+IFR1+MS
8100.000	0.000	0.000	7879.722	31.315	0.000	30.283	0.000	12.272	0.000	0.000	31.504	30.086	111.629	MWD+IFR1+MS
8200.000	0.000	0.000	7979.722	31.622	0.000	30.593	0.000	12.437	0.000	0.000	31.814	30.393	111.801	MWD+IFR1+MS
8300.000	0.000	0.000	8079.722	31.930	0.000	30.904	0.000	12.605	0.000	0.000	32.125	30.700	111.969	MWD+IFR1+MS
8400.000	0.000	0.000	8179.722	32.239	0.000	31.216	0.000	12.776	0.000	0.000	32.437	31.009	112.133	MWD+IFR1+MS
8500.000	0.000	0.000	8279.722	32.548	0.000	31.529	0.000	12.951	0.000	0.000	32.751	31.319	112.292	MWD+IFR1+MS
8600.000	0.000	0.000	8379.722	32.859	0.000	31.843	0.000	13.128	0.000	0.000	33.065	31.630	112.448	MWD+IFR1+MS
8700.000	0.000	0.000	8479.722	33.171	0.000	32.158	0.000	13.309	0.000	0.000	33.380	31.942	112.601	MWD+IFR1+MS
8800.000	0.000	0.000	8579.722	33.484	0.000	32.474	0.000	13.493	0.000	0.000	33.696	32.254	112.750	MWD+IFR1+MS
8900.000	0.000	0.000	8679.722	33.798	0.000	32.791	0.000	13.681	0.000	0.000	34.013	32.568	112.895	MWD+IFR1+MS
9000.000	0.000	0.000	8779.722	34.113	0.000	33.109	0.000	13.871	0.000	0.000	34.330	32.883	113.037	MWD+IFR1+MS
9100.000	0.000	0.000	8879.722	34.428	0.000	33.427	0.000	14.065	0.000	0.000	34.649	33.198	113.176	MWD+IFR1+MS
9200.000	0.000	0.000	8979.722	34.744	0.000	33.746	0.000	14.262	0.000	0.000	34.968	33.514	113.311	MWD+IFR1+MS
9300.000	0.000	0.000	9079.722	35.062	0.000	34.066	0.000	14.463	0.000	0.000	35.288	33.832	113.444	MWD+IFR1+MS

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	9500.000	0.000	0.000	9279.722	35.698	0.000	34.709	0.000	14.873	0.000	0.000	35.930	34.468	113.700	MWD+IFR1+MS
	9600.000	0.000	0.000	9379.722	36.018	0.000	35.031	0.000	15.083	0.000	0.000	36.253	34.788	113.824	MWD+IFR1+MS
	9700.000	0.000	0.000	9479.722	36.338	0.000	35.354	0.000	15.297	0.000	0.000	36.576	35.108	113.946	MWD+IFR1+MS
	9800.000	0.000	0.000	9579.722	36.659	0.000	35.678	0.000	15.514	0.000	0.000	36.899	35.429	114.065	MWD+IFR1+MS
	9900.000	0.000	0.000	9679.722	36.980	0.000	36.002	0.000	15.734	0.000	0.000	37.223	35.751	114.181	MWD+IFR1+MS
	10000.000	0.000	0.000	9779.722	37.303	0.000	36.327	0.000	15.957	0.000	0.000	37.548	36.073	114.295	MWD+IFR1+MS
	10100.000	0.000	0.000	9879.722	37.625	0.000	36.652	0.000	16.184	0.000	0.000	37.874	36.396	114.406	MWD+IFR1+MS
	10200.000	0.000	0.000	9979.722	37.949	0.000	36.979	0.000	16.414	0.000	0.000	38.200	36.719	114.515	MWD+IFR1+MS
	10300.000	0.000	0.000	10079.722	38.273	0.000	37.305	0.000	16.647	0.000	0.000	38.526	37.044	114.622	MWD+IFR1+MS
	10400.000	0.000	0.000	10179.722	38.598	0.000	37.633	0.000	16.884	0.000	0.000	38.854	37.369	114.727	MWD+IFR1+MS
	10500.000	0.000	0.000	10279.722	38.923	0.000	37.961	0.000	17.123	0.000	0.000	39.181	37.694	114.830	MWD+IFR1+MS
	10600.000	0.000	0.000	10379.722	39.249	0.000	38.289	0.000	17.367	0.000	0.000	39.510	38.020	114.930	MWD+IFR1+MS
	10700.000	0.000	0.000	10479.722	39.576	0.000	38.618	0.000	17.613	0.000	0.000	39.839	38.347	115.029	MWD+IFR1+MS
	10800.000	0.000	0.000	10579.722	39.903	0.000	38.948	0.000	17.863	0.000	0.000	40.168	38.674	115.126	MWD+IFR1+MS
	10900.000	0.000	0.000	10679.722	40.230	0.000	39.278	0.000	18.116	0.000	0.000	40.498	39.002	115.220	MWD+IFR1+MS
	11000.000	0.000	0.000	10779.722	40.558	0.000	39.608	0.000	18.373	0.000	0.000	40.828	39.330	115.313	MWD+IFR1+MS
	11100.000	0.000	0.000	10879.722	40.887	0.000	39.939	0.000	18.632	0.000	0.000	41.159	39.659	115.405	MWD+IFR1+MS
	11200.000	0.000	0.000	10979.722	41.216	0.000	40.271	0.000	18.896	0.000	0.000	41.490	39.988	115.494	MWD+IFR1+MS
	11300.000	0.000	0.000	11079.722	41.546	0.000	40.602	0.000	19.162	0.000	0.000	41.822	40.318	115.582	MWD+IFR1+MS
	11400.000	0.000	0.000	11179.722	41.876	0.000	40.935	0.000	19.432	0.000	0.000	42.154	40.648	115.668	MWD+IFR1+MS
	11500.000	0.000	0.000	11279.722	42.206	0.000	41.268	0.000	19.705	0.000	0.000	42.487	40.979	115.753	MWD+IFR1+MS
	11600.000	0.000	0.000	11379.722	42.537	0.000	41.601	0.000	19.981	0.000	0.000	42.820	41.310	115.836	MWD+IFR1+MS
	11648.081	0.000	0.000	11427.803	42.695	0.000	41.760	0.000	20.115	0.000	0.000	42.978	41.469	115.840	MWD+IFR1+MS
	11700.000	4.154	359.785	11479.676	42.491	0.000	41.933	0.000	20.259	0.000	0.000	43.163	41.640	115.619	MWD+IFR1+MS
	11800.000	12.154	359.785	11578.585	42.158	0.000	42.248	0.000	20.562	0.000	0.000	43.963	42.010	109.995	MWD+IFR1+MS
	11900.000	20.154	359.785	11674.559	41.650	0.000	42.543	0.000	20.979	0.000	0.000	45.077	42.347	105.094	MWD+IFR1+MS
	12000.000	28.154	359.785	11765.730	40.605	0.000	42.815	0.000	21.559	0.000	0.000	46.066	42.632	102.852	MWD+IFR1+MS
	12100.000	36.154	359.785	11850.324	39.126	0.000	43.059	0.000	22.341	0.000	0.000	46.897	42.879	101.747	MWD+IFR1+MS
	12200.000	44.154	359.785	11926.694	37.348	0.000	43.277	0.000	23.337	0.000	0.000	47.558	43.092	101.230	MWD+IFR1+MS
	12300.000	52.154	359.785	11993.353	35.447	0.000	43.466	0.000	24.537	0.000	0.000	48.051	43.273	101.057	MWD+IFR1+MS
	12400.000	60.154	359.785	12049.005	33.640	0.000	43.626	0.000	25.909	0.000	0.000	48.387	43.425	101.096	MWD+IFR1+MS
	12500.000	68.154	359.785	12092.566	32.175	0.000	43.759	0.000	27.411	0.000	0.000	48.588	43.549	101.256	MWD+IFR1+MS

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12600.000	76.154	359.785	12123.188	31.306	0.000	43.865	0.000	28.988	0.000	0.000	48.684	43.648	101.455	MWD+IFR1+MS
12700.000	84.154	359.785	12140.275	31.234	0.000	43.943	0.000	30.588	0.000	0.000	48.711	43.723	101.600	MWD+IFR1+MS
12773.081	90.000	359.785	12144.000	31.288	0.000	43.981	0.000	31.288	0.000	0.000	48.710	43.762	101.595	MWD+IFR1+MS
12800.000	90.000	359.785	12144.000	31.356	0.000	43.991	0.000	31.356	0.000	0.000	48.710	43.774	101.573	MWD+IFR1+MS
12900.000	90.000	359.785	12144.000	31.567	0.000	44.047	0.000	31.567	0.000	0.000	48.708	43.834	101.529	MWD+IFR1+MS
13000.000	90.000	359.785	12144.000	31.800	0.000	44.122	0.000	31.800	0.000	0.000	48.707	43.914	101.527	MWD+IFR1+MS
13100.000	90.000	359.785	12144.000	32.050	0.000	44.215	0.000	32.050	0.000	0.000	48.708	44.010	101.565	MWD+IFR1+MS
13200.000	90.000	359.785	12144.000	32.318	0.000	44.326	0.000	32.318	0.000	0.000	48.709	44.122	101.644	MWD+IFR1+MS
13300.000	90.000	359.785	12144.000	32.602	0.000	44.453	0.000	32.602	0.000	0.000	48.713	44.252	101.769	MWD+IFR1+MS
13400.000	90.000	359.785	12144.000	32.903	0.000	44.598	0.000	32.903	0.000	0.000	48.717	44.397	101.944	MWD+IFR1+MS
13500.000	90.000	359.785	12144.000	33.219	0.000	44.759	0.000	33.219	0.000	0.000	48.723	44.559	102.176	MWD+IFR1+MS
13600.000	90.000	359.785	12144.000	33.551	0.000	44.937	0.000	33.551	0.000	0.000	48.730	44.736	102.474	MWD+IFR1+MS
13700.000	90.000	359.785	12144.000	33.897	0.000	45.132	0.000	33.897	0.000	0.000	48.739	44.929	102.850	MWD+IFR1+MS
13800.000	90.000	359.785	12144.000	34.259	0.000	45.342	0.000	34.259	0.000	0.000	48.750	45.137	103.319	MWD+IFR1+MS
13900.000	90.000	359.785	12144.000	34.634	0.000	45.569	0.000	34.634	0.000	0.000	48.763	45.360	103.903	MWD+IFR1+MS
14000.000	90.000	359.785	12144.000	35.022	0.000	45.812	0.000	35.022	0.000	0.000	48.778	45.596	104.629	MWD+IFR1+MS
14100.000	90.000	359.785	12144.000	35.424	0.000	46.070	0.000	35.424	0.000	0.000	48.796	45.846	105.538	MWD+IFR1+MS
14200.000	90.000	359.785	12144.000	35.839	0.000	46.344	0.000	35.839	0.000	0.000	48.818	46.109	106.687	MWD+IFR1+MS
14300.000	90.000	359.785	12144.000	36.266	0.000	46.632	0.000	36.266	0.000	0.000	48.844	46.382	108.156	MWD+IFR1+MS
14400.000	90.000	359.785	12144.000	36.704	0.000	46.936	0.000	36.704	0.000	0.000	48.877	46.664	110.066	MWD+IFR1+MS
14500.000	90.000	359.785	12144.000	37.154	0.000	47.253	0.000	37.154	0.000	0.000	48.918	46.953	112.591	MWD+IFR1+MS
14600.000	90.000	359.785	12144.000	37.615	0.000	47.585	0.000	37.615	0.000	0.000	48.972	47.243	115.988	MWD+IFR1+MS
14700.000	90.000	359.785	12144.000	38.087	0.000	47.931	0.000	38.087	0.000	0.000	49.046	47.528	120.592	MWD+IFR1+MS
14800.000	90.000	359.785	12144.000	38.568	0.000	48.291	0.000	38.568	0.000	0.000	49.151	47.797	126.733	MWD+IFR1+MS
14900.000	90.000	359.785	12144.000	39.060	0.000	48.663	0.000	39.060	0.000	0.000	49.301	48.034	134.400	MWD+IFR1+MS
15000.000	90.000	359.785	12144.000	39.561	0.000	49.049	0.000	39.561	0.000	0.000	49.510	48.227	-37.207	MWD+IFR1+MS
15100.000	90.000	359.785	12144.000	40.071	0.000	49.448	0.000	40.071	0.000	0.000	49.779	48.372	-29.427	MWD+IFR1+MS
15200.000	90.000	359.785	12144.000	40.590	0.000	49.858	0.000	40.590	0.000	0.000	50.101	48.477	-23.133	MWD+IFR1+MS
15300.000	90.000	359.785	12144.000	41.118	0.000	50.281	0.000	41.118	0.000	0.000	50.464	48.554	-18.387	MWD+IFR1+MS
15400.000	90.000	359.785	12144.000	41.653	0.000	50.716	0.000	41.653	0.000	0.000	50.856	48.613	-14.874	MWD+IFR1+MS
15500.000	90.000	359.785	12144.000	42.196	0.000	51.162	0.000	42.196	0.000	0.000	51.273	48.661	-12.250	MWD+IFR1+MS
15600.000	90.000	359.785	12144.000	42.747	0.000	51.619	0.000	42.747	0.000	0.000	51.708	48.702	-10.254	MWD+IFR1+MS
15700.000	90.000	359.785	12144.000	43.305	0.000	52.087	0.000	43.305	0.000	0.000	52.159	48.738	-8.703	MWD+IFR1+MS

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15800.000	90.000	359.785	12144.000	43.870	0.000	52.566	0.000	43.870	0.000	0.000	52.625	48.771	-7.474	MWD+IFR1+MS
15900.000	90.000	359.785	12144.000	44.442	0.000	53.055	0.000	44.442	0.000	0.000	53.104	48.802	-6.481	MWD+IFR1+MS
16000.000	90.000	359.785	12144.000	45.020	0.000	53.554	0.000	45.020	0.000	0.000	53.595	48.831	-5.668	MWD+IFR1+MS
16100.000	90.000	359.785	12144.000	45.604	0.000	54.063	0.000	45.604	0.000	0.000	54.097	48.859	-4.991	MWD+IFR1+MS
16200.000	90.000	359.785	12144.000	46.194	0.000	54.581	0.000	46.194	0.000	0.000	54.610	48.887	-4.422	MWD+IFR1+MS
16300.000	90.000	359.785	12144.000	46.790	0.000	55.109	0.000	46.790	0.000	0.000	55.133	48.914	-3.938	MWD+IFR1+MS
16400.000	90.000	359.785	12144.000	47.391	0.000	55.645	0.000	47.391	0.000	0.000	55.666	48.941	-3.523	MWD+IFR1+MS
16500.000	90.000	359.785	12144.000	47.998	0.000	56.190	0.000	47.998	0.000	0.000	56.208	48.968	-3.163	MWD+IFR1+MS
16600.000	90.000	359.785	12144.000	48.610	0.000	56.744	0.000	48.610	0.000	0.000	56.759	48.996	-2.850	MWD+IFR1+MS
16700.000	90.000	359.785	12144.000	49.226	0.000	57.305	0.000	49.226	0.000	0.000	57.318	49.023	-2.575	MWD+IFR1+MS
16800.000	90.000	359.785	12144.000	49.848	0.000	57.875	0.000	49.848	0.000	0.000	57.886	49.051	-2.332	MWD+IFR1+MS
16900.000	90.000	359.785	12144.000	50.474	0.000	58.452	0.000	50.474	0.000	0.000	58.462	49.079	-2.117	MWD+IFR1+MS
17000.000	90.000	359.785	12144.000	51.104	0.000	59.037	0.000	51.104	0.000	0.000	59.045	49.107	-1.925	MWD+IFR1+MS
17100.000	90.000	359.785	12144.000	51.739	0.000	59.629	0.000	51.739	0.000	0.000	59.636	49.136	-1.753	MWD+IFR1+MS
17200.000	90.000	359.785	12144.000	52.377	0.000	60.229	0.000	52.377	0.000	0.000	60.234	49.165	-1.599	MWD+IFR1+MS
17300.000	90.000	359.785	12144.000	53.020	0.000	60.835	0.000	53.020	0.000	0.000	60.840	49.195	-1.460	MWD+IFR1+MS
17400.000	90.000	359.785	12144.000	53.666	0.000	61.447	0.000	53.666	0.000	0.000	61.451	49.225	-1.334	MWD+IFR1+MS
17500.000	90.000	359.785	12144.000	54.316	0.000	62.066	0.000	54.316	0.000	0.000	62.070	49.256	-1.220	MWD+IFR1+MS
17600.000	90.000	359.785	12144.000	54.970	0.000	62.692	0.000	54.970	0.000	0.000	62.695	49.287	-1.116	MWD+IFR1+MS
17700.000	90.000	359.785	12144.000	55.627	0.000	63.323	0.000	55.627	0.000	0.000	63.326	49.318	-1.021	MWD+IFR1+MS
17800.000	90.000	359.785	12144.000	56.287	0.000	63.961	0.000	56.287	0.000	0.000	63.963	49.351	-0.934	MWD+IFR1+MS
17900.000	90.000	359.785	12144.000	56.950	0.000	64.604	0.000	56.950	0.000	0.000	64.605	49.383	-0.855	MWD+IFR1+MS
18000.000	90.000	359.785	12144.000	57.617	0.000	65.252	0.000	57.617	0.000	0.000	65.254	49.416	-0.782	MWD+IFR1+MS
18100.000	90.000	359.785	12144.000	58.286	0.000	65.906	0.000	58.286	0.000	0.000	65.908	49.450	-0.715	MWD+IFR1+MS
18200.000	90.000	359.785	12144.000	58.958	0.000	66.566	0.000	58.958	0.000	0.000	66.567	49.484	-0.653	MWD+IFR1+MS
18300.000	90.000	359.785	12144.000	59.633	0.000	67.230	0.000	59.633	0.000	0.000	67.231	49.519	-0.595	MWD+IFR1+MS
18400.000	90.000	359.785	12144.000	60.311	0.000	67.899	0.000	60.311	0.000	0.000	67.900	49.554	-0.543	MWD+IFR1+MS
18500.000	90.000	359.785	12144.000	60.991	0.000	68.573	0.000	60.991	0.000	0.000	68.574	49.590	-0.494	MWD+IFR1+MS
18600.000	90.000	359.785	12144.000	61.674	0.000	69.252	0.000	61.674	0.000	0.000	69.252	49.626	-0.448	MWD+IFR1+MS
18700.000	90.000	359.785	12144.000	62.359	0.000	69.935	0.000	62.359	0.000	0.000	69.935	49.663	-0.406	MWD+IFR1+MS
18800.000	90.000	359.785	12144.000	63.046	0.000	70.623	0.000	63.046	0.000	0.000	70.623	49.701	-0.367	MWD+IFR1+MS
18900.000	90.000	359.785	12144.000	63.736	0.000	71.314	0.000	63.736	0.000	0.000	71.315	49.739	-0.331	MWD+IFR1+MS
19000.000	90.000	359.785	12144.000	64.427	0.000	72.010	0.000	64.427	0.000	0.000	72.010	49.778	-0.297	MWD+IFR1+MS

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19100.000	90.000	359.785	12144.000	65.121	0.000	72.710	0.000	65.121	0.000	0.000	72.710	49.817	-0.265	MWD+IFR1+MS
19200.000	90.000	359.785	12144.000	65.817	0.000	73.414	0.000	65.817	0.000	0.000	73.414	49.856	-0.236	MWD+IFR1+MS
19300.000	90.000	359.785	12144.000	66.515	0.000	74.122	0.000	66.515	0.000	0.000	74.122	49.897	-0.208	MWD+IFR1+MS
19400.000	90.000	359.785	12144.000	67.215	0.000	74.833	0.000	67.215	0.000	0.000	74.833	49.938	-0.182	MWD+IFR1+MS
19500.000	90.000	359.785	12144.000	67.917	0.000	75.548	0.000	67.917	0.000	0.000	75.548	49.979	-0.158	MWD+IFR1+MS
19600.000	90.000	359.785	12144.000	68.620	0.000	76.266	0.000	68.620	0.000	0.000	76.266	50.021	-0.135	MWD+IFR1+MS
19700.000	90.000	359.785	12144.000	69.326	0.000	76.988	0.000	69.326	0.000	0.000	76.988	50.063	-0.114	MWD+IFR1+MS
19800.000	90.000	359.785	12144.000	70.033	0.000	77.713	0.000	70.033	0.000	0.000	77.713	50.106	-0.095	MWD+IFR1+MS
19900.000	90.000	359.785	12144.000	70.741	0.000	78.441	0.000	70.741	0.000	0.000	78.441	50.150	-0.076	MWD+IFR1+MS
20000.000	90.000	359.785	12144.000	71.451	0.000	79.172	0.000	71.451	0.000	0.000	79.173	50.194	-0.058	MWD+IFR1+MS
20100.000	90.000	359.785	12144.000	72.163	0.000	79.907	0.000	72.163	0.000	0.000	79.907	50.239	-0.042	MWD+IFR1+MS
20200.000	90.000	359.785	12144.000	72.876	0.000	80.644	0.000	72.876	0.000	0.000	80.644	50.284	-0.027	MWD+IFR1+MS
20300.000	90.000	359.785	12144.000	73.591	0.000	81.384	0.000	73.591	0.000	0.000	81.384	50.330	-0.012	MWD+IFR1+MS
20400.000	90.000	359.785	12144.000	74.307	0.000	82.127	0.000	74.307	0.000	0.000	82.127	50.376	0.001	MWD+IFR1+MS
20500.000	90.000	359.785	12144.000	75.025	0.000	82.872	0.000	75.025	0.000	0.000	82.873	50.423	0.014	MWD+IFR1+MS
20600.000	90.000	359.785	12144.000	75.743	0.000	83.620	0.000	75.743	0.000	0.000	83.621	50.471	0.026	MWD+IFR1+MS
20700.000	90.000	359.785	12144.000	76.464	0.000	84.371	0.000	76.464	0.000	0.000	84.372	50.519	0.037	MWD+IFR1+MS
20800.000	90.000	359.785	12144.000	77.185	0.000	85.124	0.000	77.185	0.000	0.000	85.125	50.567	0.048	MWD+IFR1+MS
20900.000	90.000	359.785	12144.000	77.907	0.000	85.880	0.000	77.907	0.000	0.000	85.881	50.616	0.058	MWD+IFR1+MS
21000.000	90.000	359.785	12144.000	78.631	0.000	86.638	0.000	78.631	0.000	0.000	86.639	50.666	0.067	MWD+IFR1+MS
21100.000	90.000	359.785	12144.000	79.356	0.000	87.398	0.000	79.356	0.000	0.000	87.399	50.716	0.076	MWD+IFR1+MS
21200.000	90.000	359.785	12144.000	80.082	0.000	88.161	0.000	80.082	0.000	0.000	88.162	50.767	0.085	MWD+IFR1+MS
21300.000	90.000	359.785	12144.000	80.809	0.000	88.926	0.000	80.809	0.000	0.000	88.927	50.818	0.092	MWD+IFR1+MS
21400.000	90.000	359.785	12144.000	81.538	0.000	89.693	0.000	81.538	0.000	0.000	89.693	50.870	0.100	MWD+IFR1+MS
21500.000	90.000	359.785	12144.000	82.267	0.000	90.461	0.000	82.267	0.000	0.000	90.462	50.922	0.107	MWD+IFR1+MS
21600.000	90.000	359.785	12144.000	82.997	0.000	91.232	0.000	82.997	0.000	0.000	91.233	50.975	0.113	MWD+IFR1+MS
21700.000	90.000	359.785	12144.000	83.729	0.000	92.005	0.000	83.729	0.000	0.000	92.006	51.029	0.119	MWD+IFR1+MS
21800.000	90.000	359.785	12144.000	84.461	0.000	92.780	0.000	84.461	0.000	0.000	92.781	51.083	0.125	MWD+IFR1+MS
21900.000	90.000	359.785	12144.000	85.194	0.000	93.557	0.000	85.194	0.000	0.000	93.558	51.137	0.131	MWD+IFR1+MS
22000.000	90.000	359.785	12144.000	85.928	0.000	94.336	0.000	85.928	0.000	0.000	94.337	51.192	0.136	MWD+IFR1+MS
22100.000	90.000	359.785	12144.000	86.663	0.000	95.116	0.000	86.663	0.000	0.000	95.117	51.248	0.141	MWD+IFR1+MS
22200.000	90.000	359.785	12144.000	87.399	0.000	95.898	0.000	87.399	0.000	0.000	95.899	51.304	0.145	MWD+IFR1+MS
22300.000	90.000	359.785	12144.000	88.136	0.000	96.682	0.000	88.136	0.000	0.000	96.683	51.360	0.149	MWD+IFR1+MS

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22400.000	90.000	359.785	12144.000	88.873	0.000	97.467	0.000	88.873	0.000	0.000	97.469	51.417	0.153	MWD+IFR1+MS
22500.000	90.000	359.785	12144.000	89.611	0.000	98.254	0.000	89.611	0.000	0.000	98.256	51.475	0.157	MWD+IFR1+MS
22600.000	90.000	359.785	12144.000	90.351	0.000	99.043	0.000	90.351	0.000	0.000	99.044	51.533	0.161	MWD+IFR1+MS
22700.000	90.000	359.785	12144.000	91.090	0.000	99.833	0.000	91.090	0.000	0.000	99.835	51.592	0.164	MWD+IFR1+MS
22800.000	90.000	359.785	12144.000	91.831	0.000	100.625	0.000	91.831	0.000	0.000	100.626	51.651	0.167	MWD+IFR1+MS
22900.000	90.000	359.785	12144.000	92.572	0.000	101.418	0.000	92.572	0.000	0.000	101.419	51.711	0.170	MWD+IFR1+MS
23000.000	90.000	359.785	12144.000	93.314	0.000	102.212	0.000	93.314	0.000	0.000	102.214	51.771	0.173	MWD+IFR1+MS
23100.000	90.000	359.785	12144.000	94.057	0.000	103.008	0.000	94.057	0.000	0.000	103.010	51.831	0.175	MWD+IFR1+MS
23200.000	90.000	359.785	12144.000	94.801	0.000	103.806	0.000	94.801	0.000	0.000	103.807	51.893	0.177	MWD+IFR1+MS
23300.000	90.000	359.785	12144.000	95.545	0.000	104.604	0.000	95.545	0.000	0.000	104.606	51.954	0.180	MWD+IFR1+MS
23400.000	90.000	359.785	12144.000	96.289	0.000	105.404	0.000	96.289	0.000	0.000	105.406	52.017	0.182	MWD+IFR1+MS
23500.000	90.000	359.785	12144.000	97.035	0.000	106.206	0.000	97.035	0.000	0.000	106.207	52.079	0.184	MWD+IFR1+MS
23600.000	90.000	359.785	12144.000	97.781	0.000	107.008	0.000	97.781	0.000	0.000	107.010	52.143	0.185	MWD+IFR1+MS
23700.000	90.000	359.785	12144.000	98.527	0.000	107.812	0.000	98.527	0.000	0.000	107.814	52.206	0.187	MWD+IFR1+MS
23800.000	90.000	359.785	12144.000	99.274	0.000	108.617	0.000	99.274	0.000	0.000	108.619	52.271	0.188	MWD+IFR1+MS
23900.000	90.000	359.785	12144.000	100.022	0.000	109.423	0.000	100.022	0.000	0.000	109.425	52.335	0.190	MWD+IFR1+MS
24000.000	90.000	359.785	12144.000	100.770	0.000	110.230	0.000	100.770	0.000	0.000	110.232	52.401	0.191	MWD+IFR1+MS
24100.000	90.000	359.785	12144.000	101.519	0.000	111.038	0.000	101.519	0.000	0.000	111.041	52.466	0.192	MWD+IFR1+MS
24200.000	90.000	359.785	12144.000	102.269	0.000	111.848	0.000	102.269	0.000	0.000	111.850	52.532	0.193	MWD+IFR1+MS
24300.000	90.000	359.785	12144.000	103.019	0.000	112.658	0.000	103.019	0.000	0.000	112.661	52.599	0.194	MWD+IFR1+MS
24400.000	90.000	359.785	12144.000	103.769	0.000	113.470	0.000	103.769	0.000	0.000	113.472	52.666	0.195	MWD+IFR1+MS
24500.000	90.000	359.785	12144.000	104.520	0.000	114.282	0.000	104.520	0.000	0.000	114.285	52.734	0.196	MWD+IFR1+MS
24600.000	90.000	359.785	12144.000	105.271	0.000	115.096	0.000	105.271	0.000	0.000	115.098	52.802	0.196	MWD+IFR1+MS
24700.000	90.000	359.785	12144.000	106.023	0.000	115.911	0.000	106.023	0.000	0.000	115.913	52.871	0.197	MWD+IFR1+MS
24800.000	90.000	359.785	12144.000	106.776	0.000	116.726	0.000	106.776	0.000	0.000	116.729	52.940	0.198	MWD+IFR1+MS
24900.000	90.000	359.785	12144.000	107.529	0.000	117.543	0.000	107.529	0.000	0.000	117.545	53.009	0.198	MWD+IFR1+MS
25000.000	90.000	359.785	12144.000	108.282	0.000	118.360	0.000	108.282	0.000	0.000	118.363	53.079	0.198	MWD+IFR1+MS
25100.000	90.000	359.785	12144.000	109.036	0.000	119.178	0.000	109.036	0.000	0.000	119.181	53.150	0.199	MWD+IFR1+MS
25200.000	90.000	359.785	12144.000	109.790	0.000	119.998	0.000	109.790	0.000	0.000	120.000	53.221	0.199	MWD+IFR1+MS
25300.000	90.000	359.785	12144.000	110.544	0.000	120.818	0.000	110.544	0.000	0.000	120.820	53.292	0.199	MWD+IFR1+MS
25400.000	90.000	359.785	12144.000	111.299	0.000	121.638	0.000	111.299	0.000	0.000	121.641	53.364	0.199	MWD+IFR1+MS
25500.000	90.000	359.785	12144.000	112.055	0.000	122.460	0.000	112.055	0.000	0.000	122.463	53.437	0.199	MWD+IFR1+MS
25600.000	90.000	359.785	12144.000	112.811	0.000	123.283	0.000	112.811	0.000	0.000	123.285	53.510	0.199	MWD+IFR1+MS

Well Plan Report

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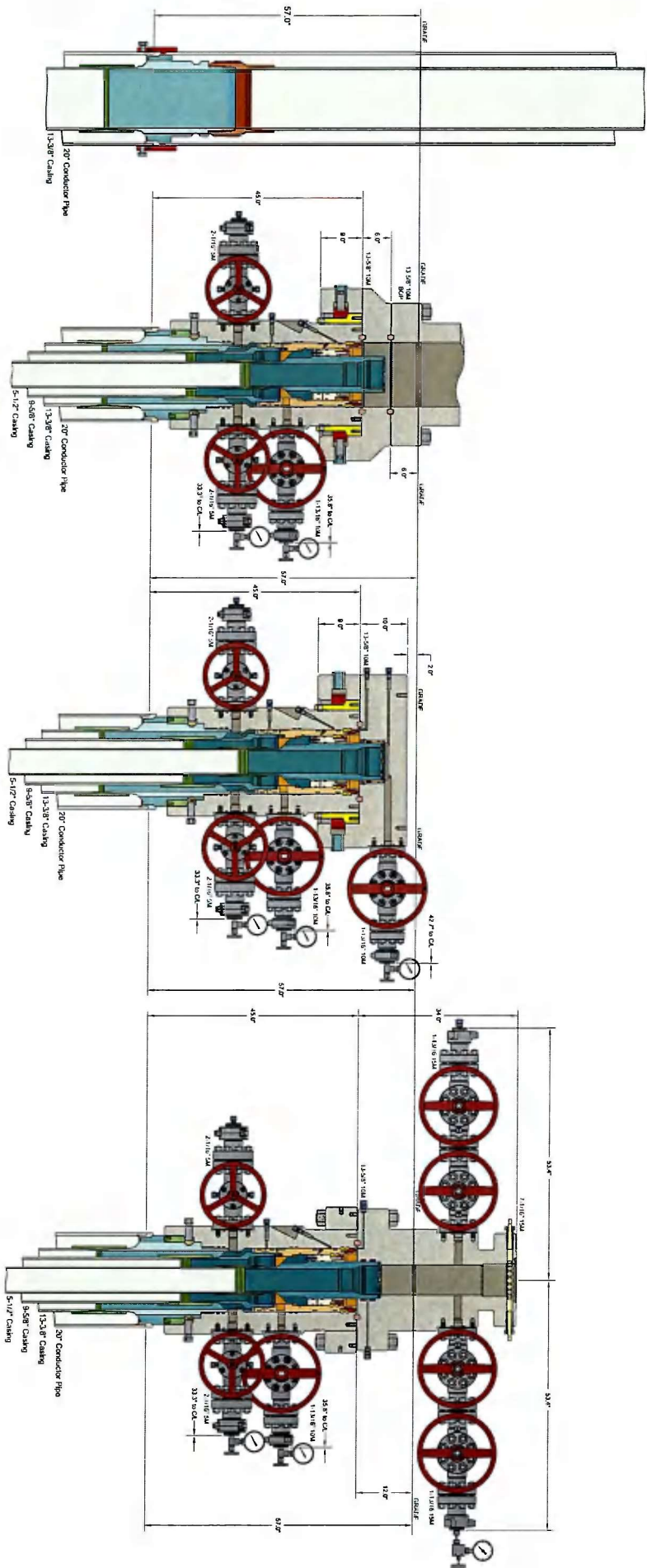
25700.000	90.000	359.785	12144.000	113.567	0.000	124.106	0.000	113.567	0.000	0.000	124.109	53.583	0.199	MWD+IFR1+MS
25800.000	90.000	359.785	12144.000	114.324	0.000	124.930	0.000	114.324	0.000	0.000	124.933	53.657	0.199	MWD+IFR1+MS
25900.000	90.000	359.785	12144.000	115.081	0.000	125.755	0.000	115.081	0.000	0.000	125.758	53.731	0.199	MWD+IFR1+MS
26000.000	90.000	359.785	12144.000	115.838	0.000	126.581	0.000	115.838	0.000	0.000	126.583	53.806	0.199	MWD+IFR1+MS
26100.000	90.000	359.785	12144.000	116.596	0.000	127.407	0.000	116.596	0.000	0.000	127.410	53.881	0.199	MWD+IFR1+MS
26200.000	90.000	359.785	12144.000	117.354	0.000	128.234	0.000	117.354	0.000	0.000	128.237	53.957	0.199	MWD+IFR1+MS
26300.000	90.000	359.785	12144.000	118.112	0.000	129.062	0.000	118.112	0.000	0.000	129.065	54.033	0.198	MWD+IFR1+MS
26400.000	90.000	359.785	12144.000	118.871	0.000	129.891	0.000	118.871	0.000	0.000	129.893	54.109	0.198	MWD+IFR1+MS
26500.000	90.000	359.785	12144.000	119.630	0.000	130.720	0.000	119.630	0.000	0.000	130.722	54.186	0.198	MWD+IFR1+MS
26600.000	90.000	359.785	12144.000	120.390	0.000	131.550	0.000	120.390	0.000	0.000	131.552	54.264	0.197	MWD+IFR1+MS
26700.000	90.000	359.785	12144.000	121.149	0.000	132.380	0.000	121.149	0.000	0.000	132.383	54.341	0.197	MWD+IFR1+MS
26800.000	90.000	359.785	12144.000	121.909	0.000	133.211	0.000	121.909	0.000	0.000	133.214	54.420	0.196	MWD+IFR1+MS
26900.000	90.000	359.785	12144.000	122.670	0.000	134.043	0.000	122.670	0.000	0.000	134.046	54.498	0.196	MWD+IFR1+MS
27000.000	90.000	359.785	12144.000	123.430	0.000	134.875	0.000	123.430	0.000	0.000	134.878	54.578	0.195	MWD+IFR1+MS
27100.000	90.000	359.785	12144.000	124.191	0.000	135.708	0.000	124.191	0.000	0.000	135.711	54.657	0.195	MWD+IFR1+MS
27200.000	90.000	359.785	12144.000	124.953	0.000	136.542	0.000	124.953	0.000	0.000	136.545	54.737	0.194	MWD+IFR1+MS
27300.000	90.000	359.785	12144.000	125.714	0.000	137.376	0.000	125.714	0.000	0.000	137.379	54.818	0.194	MWD+IFR1+MS
27400.000	90.000	359.785	12144.000	126.476	0.000	138.211	0.000	126.476	0.000	0.000	138.214	54.899	0.193	MWD+IFR1+MS
27500.000	90.000	359.785	12144.000	127.238	0.000	139.046	0.000	127.238	0.000	0.000	139.049	54.980	0.193	MWD+IFR1+MS
27600.000	90.000	359.785	12144.000	128.001	0.000	139.882	0.000	128.001	0.000	0.000	139.885	55.062	0.192	MWD+IFR1+MS
27700.000	90.000	359.785	12144.000	128.763	0.000	140.719	0.000	128.763	0.000	0.000	140.722	55.144	0.191	MWD+IFR1+MS
27800.000	90.000	359.785	12144.000	129.526	0.000	141.556	0.000	129.526	0.000	0.000	141.559	55.226	0.191	MWD+IFR1+MS
27900.000	90.000	359.785	12144.000	130.290	0.000	142.393	0.000	130.290	0.000	0.000	142.396	55.309	0.190	MWD+IFR1+MS
28000.000	90.000	359.785	12144.000	131.053	0.000	143.231	0.000	131.053	0.000	0.000	143.234	55.393	0.189	MWD+IFR1+MS
28100.000	90.000	359.785	12144.000	131.817	0.000	144.070	0.000	131.817	0.000	0.000	144.073	55.477	0.188	MWD+IFR1+MS
28200.000	90.000	359.785	12144.000	132.581	0.000	144.909	0.000	132.581	0.000	0.000	144.912	55.561	0.188	MWD+IFR1+MS
28300.000	90.000	359.785	12144.000	133.345	0.000	145.749	0.000	133.345	0.000	0.000	145.752	55.646	0.187	MWD+IFR1+MS
28400.000	90.000	359.785	12144.000	134.109	0.000	146.589	0.000	134.109	0.000	0.000	146.592	55.731	0.186	MWD+IFR1+MS
28500.000	90.000	359.785	12144.000	134.874	0.000	147.429	0.000	134.874	0.000	0.000	147.432	55.816	0.185	MWD+IFR1+MS
28600.000	90.000	359.785	12144.000	135.639	0.000	148.270	0.000	135.639	0.000	0.000	148.273	55.902	0.185	MWD+IFR1+MS
28700.000	90.000	359.785	12144.000	136.404	0.000	149.111	0.000	136.404	0.000	0.000	149.115	55.989	0.184	MWD+IFR1+MS
28776.594	90.000	359.785	12144.000	136.990	0.000	149.756	0.000	136.990	0.000	0.000	149.759	56.055	0.183	MWD+IFR1+MS
28800.000	90.000	359.785	12144.000	137.169	0.000	149.952	0.000	137.169	0.000	0.000	149.955	56.075	0.183	MWD+IFR1+MS

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10/11

Well Plan Report

11/8/23, 12:22 PM	28876.589	90.000	359.785	12144.000	137.754	0.000	150.596	0.000	137.754	0.000	150.599	56.142	0.182	MWD+IFR1+MS
POKER LAKE UNIT 22 DTD 171H														
Plan Targets														
Target Name		Measured Depth			Grid Northing			Grid Easting			TVD MSL		Target Shape	
FTP 13		(ft)			(ft)			(ft)			(ft)			
LTP 13		12773.05			440085.70			643901.60			8682.00		RECTANGLE	
BHL 13		28776.59			456089.10			643841.60			8682.00		RECTANGLE	
		28876.71			456189.10			643841.10			8682.00		RECTANGLE	



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CACTUS WELLHEAD LLC

ALL DIMENSIONS APPROXIMATE

XTO ENERGY INC
DELAWARE BASIN

DRAWN	VJK	31MAR22
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APPRV

(20") x 13-3/8" x 9-5/8" x 5-1/2" MBU-3T-CFL-R-DBLO-SF Wellhead

With 13-5/8" 10M x 7-1/16" 15M CTH-DBLHPS-SB Tubing Head

And Drilling & Skid Configurations

DRAWING NO.

SDT-2856

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 300678

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 300678
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	All original COA's still apply.	2/1/2024