

Well Name: POKER LAKE 23 DTD FEDERAL COM	Well Location: T24S / R30E / SEC 14 / SESE /	County or Parish/State:
Well Number: 177H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM068905	Unit or CA Name:	Unit or CA Number:
US Well Number:	Well Status: Approved Application for Permit to Drill	Operator: XTO PERMIAN OPERATING LLC

Notice of Intent

Sundry ID: 2764698

Type of Submission: Notice of Intent

Date Sundry Submitted: 12/05/2023

Date proposed operation will begin: 12/12/2023

Type of Action: APD Change

Time Sundry Submitted: 07:13

Procedure Description: XTO Permian Operating, LLC. respectfully requests approval to make the following changes to the approved APD (ID 10400080748): SHL, BHL, FTP, LTP, casing and cement changes. SHL: FROM: 455' FSL & 546' FEL of Section 14-T24S-R30E TO: 845' FSL & 548' FEL of Section 14-T24S-R30E BHL: FROM: 200' FNL & 550' FEL of Section 2-T24S-R30E TO: 230' FNL & 1300' FEL of Section 2-T24S-R30E FTP: FROM: 100' FSL & 550' FEL of Section 14-T24S-R30E TO: 500' FNL & 1300' FEL of Section 23-T24S-R30E LTP: FROM: 330' FNL & 550' FEL of Section 2-T24S-R30E TO: 330' FNL & 1300' FEL of Section 2-T24S-R30E Casing and cement changes are listed on the attached drilling plan. We will be using a 4 string casing program. C-102, Drilling Plan, Directional Plan, Casing Spec Sheet and MultiBowl Schematic attached.

NOI Attachments

Procedure Description

- Proprietary_Connections_Performance_Data_6.0000_26.0000_0.4360__P110_RY_20231205191329.pdf
- 4_String_Slimhole_SDT_3301_1_20231205191315.pdf
- Well_Plan_Report____POKER_LAKE_UNIT_23_DTD_177H_20231205191228.pdf
- Drilling_Plan____PLU_23_DTD_177H_20231205191142.pdf
- POKER_LAKE_UNIT_23_DTD_177H_C_102_signed_12_4_2023_20231205191121.pdf

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Conditions of Approval

Additional

Sec_14_24S_30E_NMP_Sundry_2764698_Poker_Lake_23_DTD_Federal_Com_177H_COAs_20231226093318.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 05, 2023 07:13 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: 01/03/2024
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.

SUBMIT IN TRIPLICATE - Other instructions on page 2		5. Lease Serial No.
1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator		7. If Unit of CA/Agreement, Name and/or No.
3a. Address	3b. Phone No. (include area code)	8. Well Name and No.
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		9. API Well No.
		10. Field and Pool or Exploratory Area
		11. Country or Parish, State

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA				
TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 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 recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)		
	Title	
Signature	Date	

THE SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

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: SESE / 455 FSL / 546 FEL / TWSP: 24S / RANGE: 30E / SECTION: 14 / LAT: 32.21189 / LONG: -103.844729 (TVD: 0 feet, MD: 0 feet)

PPP: SESE / 100 FSL / 550 FEL / TWSP: 24S / RANGE: 30E / SECTION: 14 / LAT: 32.210914 / LONG: -103.844745 (TVD: 11330 feet, MD: 11800 feet)

BHL: LOT 1 / 200 FNL / 550 FEL / TWSP: 24S / RANGE: 30E / SECTION: 2 / LAT: 32.253598 / LONG: -103.844724 (TVD: 11330 feet, MD: 27234 feet)

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO Permian Operating LLC
WELL NAME & NO.:	Poker Lake Unit 23 DTD Federal Com 177H
LOCATION:	Sec 14-24S-30E-NMP
COUNTY:	Eddy County, New Mexico

*Changes approved through engineering via **Sundry 2764698** on 12/26/2023. Any previous COAs not addressed within the updated COAs still apply.*

COA

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

A. HYDROGEN SULFIDE

Hydrogen Sulfide (H₂S) monitors shall be installed prior to drilling out the surface shoe. If H₂S is detected in concentrations greater than 100 ppm, the Hydrogen Sulfide area shall meet 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 832 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

24 hours in the Potash Area 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.

Due to the high probability of not getting cement to surface during conventional top-out jobs in the area, ~10-20 ppb gravel will be added on the backside of the 1" to get cement to surface, if required. If these quantities are exceeded / procedure needs to be changed, contact the PE on-call line to discuss further remediation options.

2. The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:

- Cement to surface. If cement does not circulate see B.1.a, c-d above.
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.

3. 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 6299'**
 - b. Second stage:
 - Operator will perform bradenhead squeeze and top-out. Cement to tie back at least **500 feet** into previous casing string. Operator should 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.**
- ❖ In Secretary Potash 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.

4. The minimum required fill of cement behind the **5-1/2** inch production casing is:
 - Cement should tie-back at least **500 feet** into previous casing string. Operator shall provide method of verification. **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst, Capitan Reef, or potash.**

C. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'
2. Operator has proposed a multi-bowl wellhead assembly. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M)** psi.
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. If the cement does not circulate and one-inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
 - e. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172 must be followed.

D. SPECIAL REQUIREMENT (S)

Communitization Agreement

- The operator will submit a Communitization Agreement to the Santa Fe Office, 301 Dinosaur Trail Santa Fe, New Mexico 87508, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
- The operator will submit an as-drilled survey well plat of the well completion, but are not limited to, those specified in 43 CFR 3171 and 3172.
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.

- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

BOPE Break Testing Variance

- BOPE Break Testing is ONLY permitted for 5M BOPE or less. **(Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP)**
- BOPE Break Testing is NOT permitted to drilling the production hole section.
- Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation.
- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer **(575-706-2779)** prior to the commencement of any BOPE Break Testing operations.
- A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
- The BLM is to be contacted (575-361-2822 Eddy County) 4 hours prior to BOPE tests.
- As a minimum, a full BOPE test shall be performed at 21-day intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per Onshore Oil and Gas Order No. 2.
- If in the event break testing is not utilized, then a full BOPE test would be conducted.

Offline Cementing

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

GENERAL REQUIREMENTS

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

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

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
 - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
 - b. When the operator proposes to set surface casing with Spudder Rig
 - Notify the BLM when moving in and removing the Spudder Rig.
 - Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - BOP/BOPE test to be conducted per **43 CFR part 3170 Subpart 3172** as soon as 2nd Rig is rigged up on well.
2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
3. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well – vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends, 2) until cement has been in place at least 24 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.

3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in **43 CFR part 3170 Subpart 3172 and API STD 53 Sec. 5.3**.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.

3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. Whenever any seal subject to test pressure is broken, all the tests in **43 CFR part 3170 Subpart 3172** must be followed.
 - e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
 - b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)
 - c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR part 3170**

Subpart 3172 with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).

- d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
- e. The results of the test shall be reported to the appropriate BLM office.
- f. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- g. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per **43 CFR part 3170 Subpart 3172**.

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

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

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



U. S. Steel Tubular Products

6.000" 26.00lb/ft (0.436" Wall) P110 RY USS-TALON HTQ™

8/27/2021 1:46:58 PM



MECHANICAL PROPERTIES	Pipe	USS-TALON HTQ™		[6]
Minimum Yield Strength	110,000	--	psi	--
Maximum Yield Strength	125,000	--	psi	--
Minimum Tensile Strength	125,000	--	psi	--
DIMENSIONS	Pipe	USS-TALON HTQ™		--
Outside Diameter	6.000	6.875	in.	--
Wall Thickness	0.436	--	in.	--
Inside Diameter	5.128	5.128	in.	--
Standard Drift	5.003	5.003	in.	--
Alternate Drift	--	--	in.	--
Nominal Linear Weight, T&C	26.00	--	lb/ft	--
Plain End Weight	25.93	--	lb/ft	--
SECTION AREA	Pipe	USS-TALON HTQ™		--
Critical Area	7.621	7.621	sq. in.	--
Joint Efficiency	--	100.0	%	[2]
PERFORMANCE	Pipe	USS-TALON HTQ™		--
Minimum Collapse Pressure	13,570	13,570	psi	--
Minimum Internal Yield Pressure	14,010	14,010	psi	--
Minimum Pipe Body Yield Strength	838,000	--	lb	--
Joint Strength	--	838,000	lb	--
Compression Rating	--	838,000	lb	--
Reference Length	--	21,490	ft	[5]
Maximum Uniaxial Bend Rating	--	84.0	deg/100 ft	[3]
MAKE-UP DATA	Pipe	USS-TALON HTQ™		--
Make-Up Loss	--	5.58	in.	--
Minimum Make-Up Torque	--	22,500	ft-lb	[4]
Maximum Make-Up Torque	--	25,500	ft-lb	[4]
Maximum Operating Torque	--	48,900	ft-lb	[4]

UNCONTROLLED

Notes

1.

Other than proprietary collapse and connection values, performance properties have been calculated using standard equations defined by API 5C3 and do not incorporate any additional design or safety factors. Calculations assume nominal pipe OD, nominal wall thickness, and Specified Minimum Yield Strength (SMYS).
2.

Joint efficiencies are calculated by dividing the connection critical area by the pipe body area.
3.

Uniaxial bend rating shown is structural only.
4.

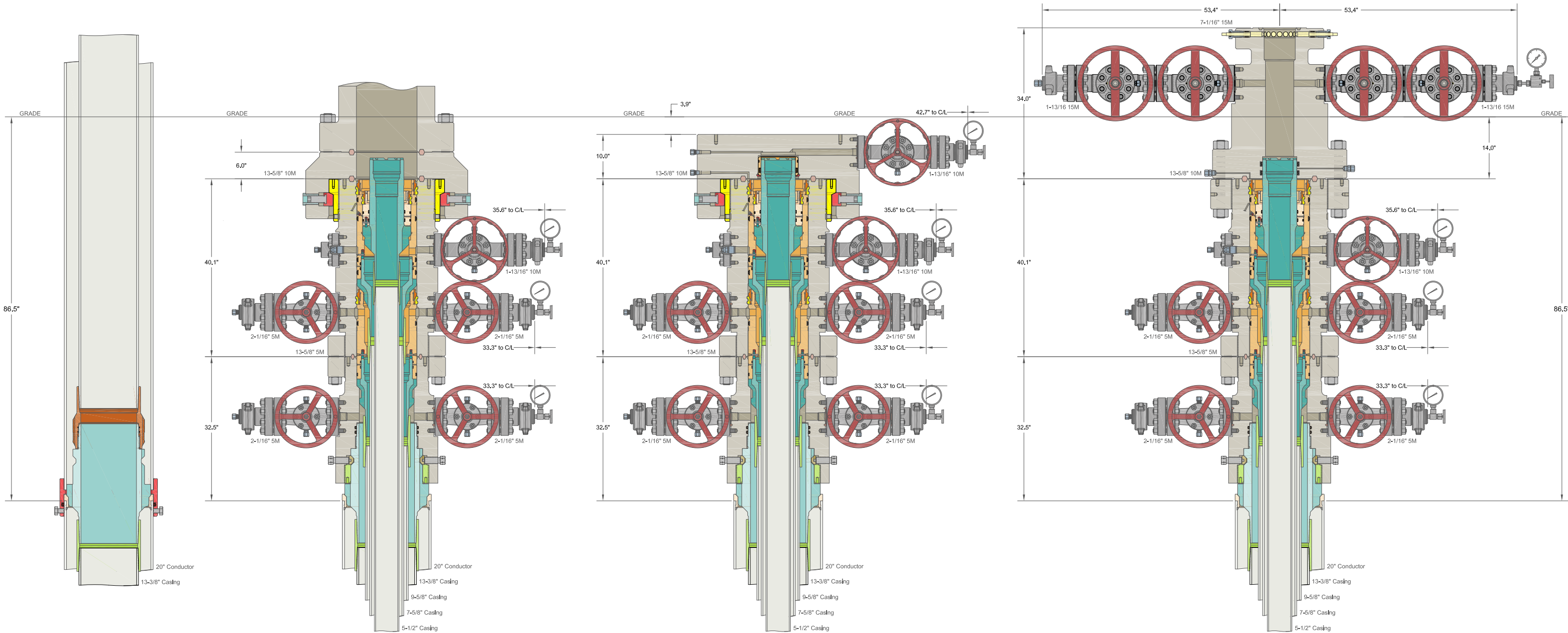
Torques have been calculated assuming a thread compound friction factor of 1.0 and are recommended only. Field make-up torques may require adjustment based on actual field conditions (e.g. make-up speed, temperature, thread compound, etc.).
5.

Reference length is calculated by Joint Strength divided by Nominal Linear Weight, T&C with a 1.5 Safety factor.
6.

Coupling must meet minimum mechanical properties of the pipe.

Legal Notice

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CACTUS WELLHEAD LLC		XTO ENERGY INC DELAWARE BASIN	
(20") x 13-3/8" x 9-5/8" x 7-5/8" x 5-1/2" MBU-4T-CFL-R-DBLO With 13-5/8" 10M x 7-1/16" 15M CTH-DBLHPS-SB Tubing Head And Drilling & Skid Configurations		DRAWN APPRV	VJK 31MAR22
		DRAWING NO. SDT-3301	

Well Plan Report - POKER LAKE UNIT 23 DTD 177H

Measured Depth: 29203.92 ft

TVD RKB: 12255.00 ft

Location

Cartographic Reference System: New Mexico East - NAD 27

Northing: 441494.10 ft

Easting: 651264.60 ft

RKB: 3477.00 ft

Ground Level: 3444.00 ft

North Reference: Grid

Convergence Angle: 0.26 Deg

Site: PLU 23D

Slot: POKER LAKE UNIT 23
DTD 177H

Plan Sections

POKER LAKE UNIT 23 DTD 177H

Measured			TVD			Build	Turn	Dogleg		
Depth	Inclination	Azimuth	RKB	Y Offset	X Offset	Rate	Rate	Rate		
(ft)	(Deg)	(Deg)	(ft)	(ft)	(ft)	(Deg/100ft)	(Deg/100ft)	(Deg/100ft)	Target	
0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00		
1099.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	0.00		
2343.15	24.88	199.90	2305.41	-250.07	-90.52	2.00	0.00	2.00		
6299.62	24.88	199.90	5894.59	-1815.43	-657.12	0.00	0.00	0.00		
7543.77	0.00	0.00	7100.00	-2065.49	-747.64	-2.00	0.00	2.00		
11983.57	0.00	0.00	11539.80	-2065.49	-747.64	0.00	0.00	0.00		
13108.57	90.00	359.77	12256.00	-1349.30	-750.50	8.00	0.00	8.00	FTP 6	
29104.30	90.00	359.77	12256.00	14646.30	-814.40	0.00	0.00	0.00	LTP 6	
29203.92	90.00	359.77	12256.00	14745.92	-814.80	0.00	0.00	0.00	BHL 6	

Position Uncertainty

POKER LAKE UNIT 23 DTD 177H

Measured	TVD	Highside	Lateral	Vertical	Magnitude	Semi-major	Semi-minor	Semi-minor	Tool
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Depth	Inclination	Azimuth	RKB	Error	Bias	Error	Bias	Error	Bias	of Bias	Error	Error	Azimuth	Used
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MWD+IFR1+MS
100.000	0.000	0.000	100.000	0.700	0.000	0.350	0.000	2.300	0.000	0.000	0.751	0.220	112.264	MWD+IFR1+MS
200.000	0.000	0.000	200.000	1.112	0.000	0.861	0.000	2.310	0.000	0.000	1.259	0.627	122.711	MWD+IFR1+MS
300.000	0.000	0.000	300.000	1.497	0.000	1.271	0.000	2.326	0.000	0.000	1.698	0.986	125.469	MWD+IFR1+MS
400.000	0.000	0.000	400.000	1.871	0.000	1.658	0.000	2.347	0.000	0.000	2.108	1.344	126.713	MWD+IFR1+MS
500.000	0.000	0.000	500.000	2.240	0.000	2.034	0.000	2.375	0.000	0.000	2.503	1.701	127.419	MWD+IFR1+MS
600.000	0.000	0.000	600.000	2.607	0.000	2.405	0.000	2.407	0.000	0.000	2.888	2.059	127.873	MWD+IFR1+MS
700.000	0.000	0.000	700.000	2.971	0.000	2.773	0.000	2.445	0.000	0.000	3.267	2.417	128.190	MWD+IFR1+MS
800.000	0.000	0.000	800.000	3.334	0.000	3.138	0.000	2.487	0.000	0.000	3.642	2.775	128.423	MWD+IFR1+MS
900.000	0.000	0.000	900.000	3.696	0.000	3.502	0.000	2.533	0.000	0.000	4.014	3.133	128.602	MWD+IFR1+MS
1000.000	0.000	0.000	1000.000	4.058	0.000	3.865	0.000	2.583	0.000	0.000	4.384	3.491	128.744	MWD+IFR1+MS
1099.000	0.000	0.000	1099.000	4.414	0.000	4.223	0.000	2.636	0.000	0.000	4.747	3.845	128.847	MWD+IFR1+MS
1200.000	2.020	199.899	1199.979	5.016	-0.000	4.282	0.000	2.693	0.000	0.000	5.095	4.190	127.634	MWD+IFR1+MS
1300.000	4.020	199.899	1299.835	5.785	-0.000	4.637	0.000	2.753	0.000	0.000	5.888	4.517	126.027	MWD+IFR1+MS
1400.000	6.020	199.899	1399.446	6.472	-0.000	4.993	0.000	2.819	0.000	0.000	6.601	4.848	125.360	MWD+IFR1+MS
1500.000	8.020	199.899	1498.692	7.103	-0.000	5.350	0.000	2.892	0.000	0.000	7.259	5.183	125.005	MWD+IFR1+MS
1600.000	10.020	199.899	1597.450	7.691	-0.000	5.709	0.000	2.975	0.000	0.000	7.875	5.524	124.800	MWD+IFR1+MS
1700.000	12.020	199.899	1695.601	8.244	-0.000	6.073	0.000	3.070	0.000	0.000	8.459	5.870	124.685	MWD+IFR1+MS
1800.000	14.020	199.899	1793.025	8.768	-0.000	6.441	0.000	3.178	0.000	0.000	9.016	6.224	124.635	MWD+IFR1+MS
1900.000	16.020	199.899	1889.604	9.267	-0.000	6.816	0.000	3.302	0.000	0.000	9.550	6.585	124.636	MWD+IFR1+MS
2000.000	18.020	199.899	1985.219	9.746	-0.000	7.199	0.000	3.442	0.000	0.000	10.065	6.956	124.683	MWD+IFR1+MS
2100.000	20.020	199.899	2079.755	10.205	-0.000	7.590	0.000	3.600	0.000	0.000	10.564	7.335	124.773	MWD+IFR1+MS
2200.000	22.020	199.899	2173.096	10.648	-0.000	7.992	0.000	3.777	0.000	0.000	11.049	7.726	124.908	MWD+IFR1+MS
2300.000	24.020	199.899	2265.128	11.077	-0.000	8.405	0.000	3.974	0.000	0.000	11.521	8.128	125.091	MWD+IFR1+MS
2343.153	24.883	199.899	2304.411	11.177	-0.000	8.578	0.000	4.022	0.000	0.000	11.652	8.304	125.160	MWD+IFR1+MS
2400.000	24.883	199.899	2355.980	11.342	-0.000	8.810	0.000	4.088	0.000	0.000	11.804	8.540	125.308	MWD+IFR1+MS
2500.000	24.883	199.899	2446.697	11.641	-0.000	9.237	0.000	4.217	0.000	0.000	12.078	8.969	125.742	MWD+IFR1+MS
2600.000	24.883	199.899	2537.414	11.956	-0.000	9.678	0.000	4.357	0.000	0.000	12.370	9.408	126.332	MWD+IFR1+MS
2700.000	24.883	199.899	2628.131	12.281	-0.000	10.126	0.000	4.502	0.000	0.000	12.670	9.852	126.982	MWD+IFR1+MS
2800.000	24.883	199.899	2718.848	12.615	-0.000	10.579	0.000	4.654	0.000	0.000	12.978	10.300	127.700	MWD+IFR1+MS
2900.000	24.883	199.899	2809.564	12.957	-0.000	11.037	0.000	4.810	0.000	0.000	13.295	10.751	128.491	MWD+IFR1+MS

3000.000	24.883	199.899	2900.281	13.306	-0.000	11.499	0.000	4.972	0.000	0.000	13.619	11.206	129.364	MWD+IFR1+MS
3100.000	24.883	199.899	2990.998	13.663	-0.000	11.964	0.000	5.138	0.000	0.000	13.950	11.662	130.327	MWD+IFR1+MS
3200.000	24.883	199.899	3081.715	14.026	-0.000	12.433	0.000	5.308	0.000	0.000	14.289	12.120	131.390	MWD+IFR1+MS
3300.000	24.883	199.899	3172.432	14.394	-0.000	12.905	0.000	5.482	0.000	0.000	14.634	12.579	132.561	MWD+IFR1+MS
3400.000	24.883	199.899	3263.149	14.769	-0.000	13.379	0.000	5.660	0.000	0.000	14.986	13.038	133.851	MWD+IFR1+MS
3500.000	24.883	199.899	3353.865	15.148	-0.000	13.855	0.000	5.840	0.000	0.000	15.345	13.498	-44.729	MWD+IFR1+MS
3600.000	24.883	199.899	3444.582	15.532	-0.000	14.334	0.000	6.024	0.000	0.000	15.711	13.957	-43.170	MWD+IFR1+MS
3700.000	24.883	199.899	3535.299	15.921	-0.000	14.815	0.000	6.210	0.000	0.000	16.083	14.415	-41.465	MWD+IFR1+MS
3800.000	24.883	199.899	3626.016	16.313	-0.000	15.297	0.000	6.399	0.000	0.000	16.463	14.871	-39.607	MWD+IFR1+MS
3900.000	24.883	199.899	3716.733	16.710	-0.000	15.781	0.000	6.590	0.000	0.000	16.849	15.326	-37.596	MWD+IFR1+MS
4000.000	24.883	199.899	3807.450	17.110	-0.000	16.266	0.000	6.783	0.000	0.000	17.242	15.778	-35.438	MWD+IFR1+MS
4100.000	24.883	199.899	3898.166	17.513	-0.000	16.752	0.000	6.979	0.000	0.000	17.643	16.227	-33.146	MWD+IFR1+MS
4200.000	24.883	199.899	3988.883	17.919	-0.000	17.240	0.000	7.176	0.000	0.000	18.051	16.673	-30.741	MWD+IFR1+MS
4300.000	24.883	199.899	4079.600	18.328	-0.000	17.729	0.000	7.376	0.000	0.000	18.466	17.115	-28.253	MWD+IFR1+MS
4400.000	24.883	199.899	4170.317	18.740	-0.000	18.219	0.000	7.577	0.000	0.000	18.889	17.553	-25.719	MWD+IFR1+MS
4500.000	24.883	199.899	4261.034	19.154	-0.000	18.709	0.000	7.780	0.000	0.000	19.319	17.987	-23.180	MWD+IFR1+MS
4600.000	24.883	199.899	4351.751	19.571	-0.000	19.201	0.000	7.985	0.000	0.000	19.756	18.417	-20.678	MWD+IFR1+MS
4700.000	24.883	199.899	4442.468	19.990	-0.000	19.693	0.000	8.191	0.000	0.000	20.199	18.844	-18.250	MWD+IFR1+MS
4800.000	24.883	199.899	4533.184	20.411	-0.000	20.186	0.000	8.399	0.000	0.000	20.649	19.267	-15.927	MWD+IFR1+MS
4900.000	24.883	199.899	4623.901	20.833	-0.000	20.680	0.000	8.608	0.000	0.000	21.104	19.688	-13.733	MWD+IFR1+MS
5000.000	24.883	199.899	4714.618	21.258	-0.000	21.174	0.000	8.819	0.000	0.000	21.565	20.105	-11.682	MWD+IFR1+MS
5100.000	24.883	199.899	4805.335	21.684	-0.000	21.669	0.000	9.031	0.000	0.000	22.030	20.521	-9.780	MWD+IFR1+MS
5200.000	24.883	199.899	4896.052	22.112	-0.000	22.165	0.000	9.244	0.000	0.000	22.499	20.934	-8.027	MWD+IFR1+MS
5300.000	24.883	199.899	4986.769	22.542	-0.000	22.661	0.000	9.459	0.000	0.000	22.971	21.346	-6.420	MWD+IFR1+MS
5400.000	24.883	199.899	5077.485	22.972	-0.000	23.157	0.000	9.675	0.000	0.000	23.447	21.757	-4.950	MWD+IFR1+MS
5500.000	24.883	199.899	5168.202	23.405	-0.000	23.654	0.000	9.893	0.000	0.000	23.925	22.166	-3.607	MWD+IFR1+MS
5600.000	24.883	199.899	5258.919	23.838	-0.000	24.152	0.000	10.112	0.000	0.000	24.406	22.575	-2.383	MWD+IFR1+MS
5700.000	24.883	199.899	5349.636	24.273	-0.000	24.649	0.000	10.332	0.000	0.000	24.889	22.984	-1.265	MWD+IFR1+MS
5800.000	24.883	199.899	5440.353	24.709	-0.000	25.148	0.000	10.553	0.000	0.000	25.374	23.392	-0.245	MWD+IFR1+MS
5900.000	24.883	199.899	5531.070	25.146	-0.000	25.646	0.000	10.776	0.000	0.000	25.861	23.800	0.688	MWD+IFR1+MS
6000.000	24.883	199.899	5621.786	25.584	-0.000	26.145	0.000	11.000	0.000	0.000	26.349	24.208	1.542	MWD+IFR1+MS
6100.000	24.883	199.899	5712.503	26.023	-0.000	26.644	0.000	11.225	0.000	0.000	26.839	24.616	2.325	MWD+IFR1+MS
6200.000	24.883	199.899	5803.220	26.463	-0.000	27.143	0.000	11.451	0.000	0.000	27.330	25.025	3.044	MWD+IFR1+MS

6299.617	24.883	199.899	5893.589	26.902	-0.000	27.641	0.000	11.678	0.000	0.000	27.819	25.432	3.705	MWD+IFR1+MS
6400.000	22.875	199.899	5985.375	27.440	-0.000	28.135	0.000	11.915	0.000	0.000	28.313	25.861	3.938	MWD+IFR1+MS
6500.000	20.875	199.899	6078.170	27.993	-0.000	28.612	0.000	12.159	0.000	0.000	28.798	26.328	3.608	MWD+IFR1+MS
6600.000	18.875	199.899	6172.209	28.500	-0.000	29.072	0.000	12.383	0.000	0.000	29.268	26.788	3.219	MWD+IFR1+MS
6700.000	16.875	199.899	6267.376	28.961	-0.000	29.516	0.000	12.589	0.000	0.000	29.723	27.242	2.770	MWD+IFR1+MS
6800.000	14.875	199.899	6363.557	29.375	-0.000	29.943	0.000	12.780	0.000	0.000	30.161	27.686	2.264	MWD+IFR1+MS
6900.000	12.875	199.899	6460.634	29.743	-0.000	30.353	0.000	12.955	0.000	0.000	30.584	28.121	1.702	MWD+IFR1+MS
7000.000	10.875	199.899	6558.489	30.062	-0.000	30.745	0.000	13.117	0.000	0.000	30.990	28.544	1.086	MWD+IFR1+MS
7100.000	8.875	199.899	6657.003	30.335	-0.000	31.120	0.000	13.267	0.000	0.000	31.381	28.955	0.419	MWD+IFR1+MS
7200.000	6.875	199.899	6756.054	30.560	-0.000	31.478	0.000	13.407	0.000	0.000	31.755	29.353	-0.297	MWD+IFR1+MS
7300.000	4.875	199.899	6855.524	30.737	-0.000	31.819	0.000	13.538	0.000	0.000	32.113	29.737	-1.060	MWD+IFR1+MS
7400.000	2.875	199.899	6955.290	30.867	-0.000	32.142	0.000	13.660	0.000	0.000	32.455	30.106	-1.866	MWD+IFR1+MS
7500.000	0.875	199.899	7055.232	30.951	-0.000	32.449	0.000	13.777	0.000	0.000	32.782	30.459	-2.712	MWD+IFR1+MS
7543.770	0.000	0.000	7099.000	30.585	0.000	32.893	0.000	13.827	0.000	0.000	32.898	30.580	-2.657	MWD+IFR1+MS
7600.000	0.000	0.000	7155.230	30.734	0.000	33.029	0.000	13.890	0.000	0.000	33.033	30.729	-2.619	MWD+IFR1+MS
7700.000	0.000	0.000	7255.230	31.001	0.000	33.274	0.000	14.005	0.000	0.000	33.278	30.996	-2.588	MWD+IFR1+MS
7800.000	0.000	0.000	7355.230	31.272	0.000	33.523	0.000	14.123	0.000	0.000	33.528	31.267	-2.613	MWD+IFR1+MS
7900.000	0.000	0.000	7455.230	31.545	0.000	33.775	0.000	14.244	0.000	0.000	33.779	31.540	-2.637	MWD+IFR1+MS
8000.000	0.000	0.000	7555.230	31.819	0.000	34.028	0.000	14.368	0.000	0.000	34.032	31.814	-2.661	MWD+IFR1+MS
8100.000	0.000	0.000	7655.230	32.095	0.000	34.283	0.000	14.495	0.000	0.000	34.288	32.090	-2.686	MWD+IFR1+MS
8200.000	0.000	0.000	7755.230	32.373	0.000	34.540	0.000	14.626	0.000	0.000	34.545	32.368	-2.710	MWD+IFR1+MS
8300.000	0.000	0.000	7855.230	32.652	0.000	34.799	0.000	14.760	0.000	0.000	34.804	32.647	-2.735	MWD+IFR1+MS
8400.000	0.000	0.000	7955.230	32.933	0.000	35.059	0.000	14.896	0.000	0.000	35.064	32.928	-2.760	MWD+IFR1+MS
8500.000	0.000	0.000	8055.230	33.215	0.000	35.322	0.000	15.036	0.000	0.000	35.326	33.210	-2.785	MWD+IFR1+MS
8600.000	0.000	0.000	8155.230	33.499	0.000	35.586	0.000	15.180	0.000	0.000	35.590	33.494	-2.809	MWD+IFR1+MS
8700.000	0.000	0.000	8255.230	33.784	0.000	35.851	0.000	15.326	0.000	0.000	35.856	33.779	-2.834	MWD+IFR1+MS
8800.000	0.000	0.000	8355.230	34.071	0.000	36.118	0.000	15.476	0.000	0.000	36.123	34.065	-2.859	MWD+IFR1+MS
8900.000	0.000	0.000	8455.230	34.358	0.000	36.387	0.000	15.630	0.000	0.000	36.392	34.353	-2.884	MWD+IFR1+MS
9000.000	0.000	0.000	8555.230	34.648	0.000	36.657	0.000	15.787	0.000	0.000	36.662	34.642	-2.910	MWD+IFR1+MS
9100.000	0.000	0.000	8655.230	34.938	0.000	36.929	0.000	15.947	0.000	0.000	36.934	34.933	-2.935	MWD+IFR1+MS
9200.000	0.000	0.000	8755.230	35.230	0.000	37.202	0.000	16.110	0.000	0.000	37.208	35.224	-2.960	MWD+IFR1+MS
9300.000	0.000	0.000	8855.230	35.523	0.000	37.477	0.000	16.277	0.000	0.000	37.482	35.517	-2.985	MWD+IFR1+MS
9400.000	0.000	0.000	8955.230	35.817	0.000	37.753	0.000	16.448	0.000	0.000	37.758	35.811	-3.011	MWD+IFR1+MS

9500.000	0.000	0.000	9055.230	36.112	0.000	38.031	0.000	16.622	0.000	0.000	38.036	36.107	-3.036	MWD+IFR1+MS
9600.000	0.000	0.000	9155.230	36.409	0.000	38.310	0.000	16.799	0.000	0.000	38.315	36.403	-3.062	MWD+IFR1+MS
9700.000	0.000	0.000	9255.230	36.706	0.000	38.590	0.000	16.980	0.000	0.000	38.595	36.701	-3.087	MWD+IFR1+MS
9800.000	0.000	0.000	9355.230	37.005	0.000	38.871	0.000	17.165	0.000	0.000	38.877	36.999	-3.113	MWD+IFR1+MS
9900.000	0.000	0.000	9455.230	37.305	0.000	39.154	0.000	17.353	0.000	0.000	39.159	37.299	-3.139	MWD+IFR1+MS
10000.000	0.000	0.000	9555.230	37.605	0.000	39.438	0.000	17.545	0.000	0.000	39.443	37.600	-3.165	MWD+IFR1+MS
10100.000	0.000	0.000	9655.230	37.907	0.000	39.723	0.000	17.740	0.000	0.000	39.728	37.901	-3.191	MWD+IFR1+MS
10200.000	0.000	0.000	9755.230	38.210	0.000	40.009	0.000	17.938	0.000	0.000	40.015	38.204	-3.217	MWD+IFR1+MS
10300.000	0.000	0.000	9855.230	38.513	0.000	40.297	0.000	18.141	0.000	0.000	40.302	38.508	-3.243	MWD+IFR1+MS
10400.000	0.000	0.000	9955.230	38.818	0.000	40.585	0.000	18.347	0.000	0.000	40.591	38.812	-3.269	MWD+IFR1+MS
10500.000	0.000	0.000	10055.230	39.124	0.000	40.875	0.000	18.556	0.000	0.000	40.881	39.118	-3.295	MWD+IFR1+MS
10600.000	0.000	0.000	10155.230	39.430	0.000	41.166	0.000	18.769	0.000	0.000	41.171	39.424	-3.321	MWD+IFR1+MS
10700.000	0.000	0.000	10255.230	39.737	0.000	41.458	0.000	18.986	0.000	0.000	41.463	39.731	-3.348	MWD+IFR1+MS
10800.000	0.000	0.000	10355.230	40.045	0.000	41.750	0.000	19.206	0.000	0.000	41.756	40.039	-3.374	MWD+IFR1+MS
10900.000	0.000	0.000	10455.230	40.354	0.000	42.044	0.000	19.430	0.000	0.000	42.050	40.348	-3.401	MWD+IFR1+MS
11000.000	0.000	0.000	10555.230	40.664	0.000	42.339	0.000	19.658	0.000	0.000	42.345	40.658	-3.427	MWD+IFR1+MS
11100.000	0.000	0.000	10655.230	40.975	0.000	42.635	0.000	19.889	0.000	0.000	42.641	40.968	-3.454	MWD+IFR1+MS
11200.000	0.000	0.000	10755.230	41.286	0.000	42.932	0.000	20.124	0.000	0.000	42.938	41.280	-3.480	MWD+IFR1+MS
11300.000	0.000	0.000	10855.230	41.598	0.000	43.230	0.000	20.362	0.000	0.000	43.236	41.592	-3.507	MWD+IFR1+MS
11400.000	0.000	0.000	10955.230	41.911	0.000	43.528	0.000	20.604	0.000	0.000	43.534	41.905	-3.534	MWD+IFR1+MS
11500.000	0.000	0.000	11055.230	42.224	0.000	43.828	0.000	20.850	0.000	0.000	43.834	42.218	-3.561	MWD+IFR1+MS
11600.000	0.000	0.000	11155.230	42.539	0.000	44.128	0.000	21.099	0.000	0.000	44.134	42.532	-3.588	MWD+IFR1+MS
11700.000	0.000	0.000	11255.230	42.854	0.000	44.430	0.000	21.352	0.000	0.000	44.436	42.847	-3.615	MWD+IFR1+MS
11800.000	0.000	0.000	11355.230	43.169	0.000	44.732	0.000	21.608	0.000	0.000	44.738	43.163	-3.642	MWD+IFR1+MS
11900.000	0.000	0.000	11455.230	43.486	0.000	45.035	0.000	21.868	0.000	0.000	45.041	43.479	-3.670	MWD+IFR1+MS
11983.573	0.000	0.000	11538.803	43.749	0.000	45.288	0.000	22.089	0.000	0.000	45.294	43.743	-3.656	MWD+IFR1+MS
12000.000	1.314	359.771	11555.228	43.618	0.000	45.337	0.000	22.132	0.000	0.000	45.343	43.794	-3.637	MWD+IFR1+MS
12100.000	9.314	359.771	11654.718	42.768	0.000	45.625	0.000	22.403	0.000	0.000	45.634	44.400	-5.151	MWD+IFR1+MS
12200.000	17.314	359.771	11751.951	41.979	0.000	45.893	0.000	22.751	0.000	0.000	45.952	45.495	-21.292	MWD+IFR1+MS
12300.000	25.314	359.771	11845.035	40.679	0.000	46.135	0.000	23.237	0.000	0.000	46.626	46.058	111.326	MWD+IFR1+MS
12400.000	33.314	359.771	11932.159	38.988	0.000	46.351	0.000	23.908	0.000	0.000	47.425	46.302	101.775	MWD+IFR1+MS
12500.000	41.314	359.771	12011.627	37.066	0.000	46.539	0.000	24.788	0.000	0.000	48.073	46.495	99.312	MWD+IFR1+MS
12600.000	49.314	359.771	12081.892	35.117	0.000	46.700	0.000	25.879	0.000	0.000	48.554	46.656	98.442	MWD+IFR1+MS

12700.000	57.314	359.771	12141.586	33.384	0.000	46.834	0.000	27.159	0.000	0.000	48.879	46.788	98.234	MWD+IFR1+MS
12800.000	65.314	359.771	12189.548	32.137	0.000	46.941	0.000	28.592	0.000	0.000	49.071	46.891	98.407	MWD+IFR1+MS
12900.000	73.314	359.771	12224.843	31.621	0.000	47.022	0.000	30.127	0.000	0.000	49.160	46.967	98.832	MWD+IFR1+MS
13000.000	81.314	359.771	12246.786	31.995	0.000	47.078	0.000	31.713	0.000	0.000	49.182	47.017	99.391	MWD+IFR1+MS
13108.573	90.000	359.771	12255.000	33.679	0.000	47.112	0.000	33.679	0.000	0.000	49.181	47.043	99.977	MWD+IFR1+MS
13200.000	90.000	359.771	12255.000	34.272	0.000	47.132	0.000	34.272	0.000	0.000	49.184	47.058	100.388	MWD+IFR1+MS
13300.000	90.000	359.771	12255.000	34.555	0.000	47.170	0.000	34.555	0.000	0.000	49.189	47.090	100.924	MWD+IFR1+MS
13400.000	90.000	359.771	12255.000	34.854	0.000	47.225	0.000	34.854	0.000	0.000	49.194	47.138	101.562	MWD+IFR1+MS
13500.000	90.000	359.771	12255.000	35.168	0.000	47.297	0.000	35.168	0.000	0.000	49.202	47.201	102.319	MWD+IFR1+MS
13600.000	90.000	359.771	12255.000	35.496	0.000	47.385	0.000	35.496	0.000	0.000	49.212	47.278	103.219	MWD+IFR1+MS
13700.000	90.000	359.771	12255.000	35.839	0.000	47.489	0.000	35.839	0.000	0.000	49.224	47.370	104.296	MWD+IFR1+MS
13800.000	90.000	359.771	12255.000	36.195	0.000	47.609	0.000	36.195	0.000	0.000	49.240	47.475	105.596	MWD+IFR1+MS
13900.000	90.000	359.771	12255.000	36.565	0.000	47.745	0.000	36.565	0.000	0.000	49.259	47.593	107.179	MWD+IFR1+MS
14000.000	90.000	359.771	12255.000	36.948	0.000	47.896	0.000	36.948	0.000	0.000	49.284	47.722	109.123	MWD+IFR1+MS
14100.000	90.000	359.771	12255.000	37.343	0.000	48.064	0.000	37.343	0.000	0.000	49.315	47.861	111.534	MWD+IFR1+MS
14200.000	90.000	359.771	12255.000	37.751	0.000	48.247	0.000	37.751	0.000	0.000	49.355	48.007	114.544	MWD+IFR1+MS
14300.000	90.000	359.771	12255.000	38.170	0.000	48.445	0.000	38.170	0.000	0.000	49.408	48.157	118.298	MWD+IFR1+MS
14400.000	90.000	359.771	12255.000	38.601	0.000	48.658	0.000	38.601	0.000	0.000	49.477	48.305	122.913	MWD+IFR1+MS
14500.000	90.000	359.771	12255.000	39.043	0.000	48.886	0.000	39.043	0.000	0.000	49.570	48.445	128.385	MWD+IFR1+MS
14600.000	90.000	359.771	12255.000	39.495	0.000	49.129	0.000	39.495	0.000	0.000	49.693	48.572	134.472	MWD+IFR1+MS
14700.000	90.000	359.771	12255.000	39.958	0.000	49.387	0.000	39.958	0.000	0.000	49.848	48.680	-39.323	MWD+IFR1+MS
14800.000	90.000	359.771	12255.000	40.431	0.000	49.659	0.000	40.431	0.000	0.000	50.039	48.768	-33.551	MWD+IFR1+MS
14900.000	90.000	359.771	12255.000	40.913	0.000	49.945	0.000	40.913	0.000	0.000	50.262	48.839	-28.567	MWD+IFR1+MS
15000.000	90.000	359.771	12255.000	41.405	0.000	50.244	0.000	41.405	0.000	0.000	50.513	48.895	-24.461	MWD+IFR1+MS
15100.000	90.000	359.771	12255.000	41.905	0.000	50.558	0.000	41.905	0.000	0.000	50.790	48.941	-21.151	MWD+IFR1+MS
15200.000	90.000	359.771	12255.000	42.414	0.000	50.884	0.000	42.414	0.000	0.000	51.087	48.979	-18.493	MWD+IFR1+MS
15300.000	90.000	359.771	12255.000	42.931	0.000	51.224	0.000	42.931	0.000	0.000	51.404	49.012	-16.348	MWD+IFR1+MS
15400.000	90.000	359.771	12255.000	43.457	0.000	51.576	0.000	43.457	0.000	0.000	51.738	49.041	-14.600	MWD+IFR1+MS
15500.000	90.000	359.771	12255.000	43.990	0.000	51.941	0.000	43.990	0.000	0.000	52.088	49.067	-13.159	MWD+IFR1+MS
15600.000	90.000	359.771	12255.000	44.530	0.000	52.319	0.000	44.530	0.000	0.000	52.453	49.092	-11.957	MWD+IFR1+MS
15700.000	90.000	359.771	12255.000	45.078	0.000	52.708	0.000	45.078	0.000	0.000	52.832	49.115	-10.943	MWD+IFR1+MS
15800.000	90.000	359.771	12255.000	45.633	0.000	53.109	0.000	45.633	0.000	0.000	53.224	49.137	-10.078	MWD+IFR1+MS
15900.000	90.000	359.771	12255.000	46.194	0.000	53.521	0.000	46.194	0.000	0.000	53.629	49.158	-9.334	MWD+IFR1+MS

16000.000	90.000	359.771	12255.000	46.762	0.000	53.945	0.000	46.762	0.000	0.000	54.046	49.179	-8.687	MWD+IFR1+MS
16100.000	90.000	359.771	12255.000	47.336	0.000	54.380	0.000	47.336	0.000	0.000	54.475	49.200	-8.121	MWD+IFR1+MS
16200.000	90.000	359.771	12255.000	47.916	0.000	54.825	0.000	47.916	0.000	0.000	54.915	49.221	-7.622	MWD+IFR1+MS
16300.000	90.000	359.771	12255.000	48.502	0.000	55.281	0.000	48.502	0.000	0.000	55.366	49.242	-7.179	MWD+IFR1+MS
16400.000	90.000	359.771	12255.000	49.093	0.000	55.747	0.000	49.093	0.000	0.000	55.828	49.263	-6.783	MWD+IFR1+MS
16500.000	90.000	359.771	12255.000	49.690	0.000	56.223	0.000	49.690	0.000	0.000	56.300	49.284	-6.428	MWD+IFR1+MS
16600.000	90.000	359.771	12255.000	50.291	0.000	56.709	0.000	50.291	0.000	0.000	56.782	49.306	-6.107	MWD+IFR1+MS
16700.000	90.000	359.771	12255.000	50.898	0.000	57.204	0.000	50.898	0.000	0.000	57.274	49.328	-5.817	MWD+IFR1+MS
16800.000	90.000	359.771	12255.000	51.510	0.000	57.708	0.000	51.510	0.000	0.000	57.776	49.350	-5.552	MWD+IFR1+MS
16900.000	90.000	359.771	12255.000	52.126	0.000	58.221	0.000	52.126	0.000	0.000	58.286	49.373	-5.311	MWD+IFR1+MS
17000.000	90.000	359.771	12255.000	52.747	0.000	58.743	0.000	52.747	0.000	0.000	58.806	49.396	-5.089	MWD+IFR1+MS
17100.000	90.000	359.771	12255.000	53.372	0.000	59.274	0.000	53.372	0.000	0.000	59.334	49.419	-4.885	MWD+IFR1+MS
17200.000	90.000	359.771	12255.000	54.001	0.000	59.813	0.000	54.001	0.000	0.000	59.870	49.443	-4.697	MWD+IFR1+MS
17300.000	90.000	359.771	12255.000	54.634	0.000	60.359	0.000	54.634	0.000	0.000	60.415	49.467	-4.523	MWD+IFR1+MS
17400.000	90.000	359.771	12255.000	55.271	0.000	60.914	0.000	55.271	0.000	0.000	60.968	49.492	-4.361	MWD+IFR1+MS
17500.000	90.000	359.771	12255.000	55.912	0.000	61.476	0.000	55.912	0.000	0.000	61.528	49.517	-4.210	MWD+IFR1+MS
17600.000	90.000	359.771	12255.000	56.557	0.000	62.046	0.000	56.557	0.000	0.000	62.096	49.543	-4.070	MWD+IFR1+MS
17700.000	90.000	359.771	12255.000	57.205	0.000	62.623	0.000	57.205	0.000	0.000	62.672	49.569	-3.939	MWD+IFR1+MS
17800.000	90.000	359.771	12255.000	57.856	0.000	63.206	0.000	57.856	0.000	0.000	63.254	49.596	-3.816	MWD+IFR1+MS
17900.000	90.000	359.771	12255.000	58.511	0.000	63.797	0.000	58.511	0.000	0.000	63.843	49.624	-3.701	MWD+IFR1+MS
18000.000	90.000	359.771	12255.000	59.169	0.000	64.394	0.000	59.169	0.000	0.000	64.439	49.651	-3.593	MWD+IFR1+MS
18100.000	90.000	359.771	12255.000	59.829	0.000	64.998	0.000	59.829	0.000	0.000	65.042	49.680	-3.490	MWD+IFR1+MS
18200.000	90.000	359.771	12255.000	60.493	0.000	65.608	0.000	60.493	0.000	0.000	65.651	49.709	-3.394	MWD+IFR1+MS
18300.000	90.000	359.771	12255.000	61.160	0.000	66.224	0.000	61.160	0.000	0.000	66.266	49.738	-3.303	MWD+IFR1+MS
18400.000	90.000	359.771	12255.000	61.830	0.000	66.846	0.000	61.830	0.000	0.000	66.887	49.768	-3.217	MWD+IFR1+MS
18500.000	90.000	359.771	12255.000	62.502	0.000	67.474	0.000	62.502	0.000	0.000	67.514	49.799	-3.136	MWD+IFR1+MS
18600.000	90.000	359.771	12255.000	63.177	0.000	68.107	0.000	63.177	0.000	0.000	68.146	49.830	-3.058	MWD+IFR1+MS
18700.000	90.000	359.771	12255.000	63.854	0.000	68.746	0.000	63.854	0.000	0.000	68.784	49.862	-2.985	MWD+IFR1+MS
18800.000	90.000	359.771	12255.000	64.534	0.000	69.390	0.000	64.534	0.000	0.000	69.427	49.894	-2.915	MWD+IFR1+MS
18900.000	90.000	359.771	12255.000	65.216	0.000	70.040	0.000	65.216	0.000	0.000	70.076	49.927	-2.849	MWD+IFR1+MS
19000.000	90.000	359.771	12255.000	65.900	0.000	70.694	0.000	65.900	0.000	0.000	70.729	49.960	-2.785	MWD+IFR1+MS
19100.000	90.000	359.771	12255.000	66.587	0.000	71.353	0.000	66.587	0.000	0.000	71.387	49.994	-2.725	MWD+IFR1+MS
19200.000	90.000	359.771	12255.000	67.275	0.000	72.017	0.000	67.275	0.000	0.000	72.051	50.029	-2.667	MWD+IFR1+MS

19300.000	90.000	359.771	12255.000	67.966	0.000	72.685	0.000	67.966	0.000	0.000	72.718	50.064	-2.612	MWD+IFR1+MS
19400.000	90.000	359.771	12255.000	68.659	0.000	73.358	0.000	68.659	0.000	0.000	73.391	50.099	-2.559	MWD+IFR1+MS
19500.000	90.000	359.771	12255.000	69.354	0.000	74.036	0.000	69.354	0.000	0.000	74.067	50.135	-2.508	MWD+IFR1+MS
19600.000	90.000	359.771	12255.000	70.050	0.000	74.717	0.000	70.050	0.000	0.000	74.748	50.172	-2.460	MWD+IFR1+MS
19700.000	90.000	359.771	12255.000	70.749	0.000	75.403	0.000	70.749	0.000	0.000	75.433	50.209	-2.413	MWD+IFR1+MS
19800.000	90.000	359.771	12255.000	71.449	0.000	76.093	0.000	71.449	0.000	0.000	76.123	50.247	-2.368	MWD+IFR1+MS
19900.000	90.000	359.771	12255.000	72.151	0.000	76.786	0.000	72.151	0.000	0.000	76.816	50.286	-2.325	MWD+IFR1+MS
20000.000	90.000	359.771	12255.000	72.855	0.000	77.484	0.000	72.855	0.000	0.000	77.513	50.325	-2.284	MWD+IFR1+MS
20100.000	90.000	359.771	12255.000	73.561	0.000	78.185	0.000	73.561	0.000	0.000	78.213	50.364	-2.244	MWD+IFR1+MS
20200.000	90.000	359.771	12255.000	74.268	0.000	78.890	0.000	74.268	0.000	0.000	78.917	50.404	-2.206	MWD+IFR1+MS
20300.000	90.000	359.771	12255.000	74.976	0.000	79.598	0.000	74.976	0.000	0.000	79.625	50.445	-2.169	MWD+IFR1+MS
20400.000	90.000	359.771	12255.000	75.686	0.000	80.309	0.000	75.686	0.000	0.000	80.336	50.486	-2.133	MWD+IFR1+MS
20500.000	90.000	359.771	12255.000	76.398	0.000	81.024	0.000	76.398	0.000	0.000	81.051	50.528	-2.099	MWD+IFR1+MS
20600.000	90.000	359.771	12255.000	77.111	0.000	81.743	0.000	77.111	0.000	0.000	81.769	50.570	-2.066	MWD+IFR1+MS
20700.000	90.000	359.771	12255.000	77.825	0.000	82.464	0.000	77.825	0.000	0.000	82.489	50.613	-2.034	MWD+IFR1+MS
20800.000	90.000	359.771	12255.000	78.540	0.000	83.188	0.000	78.540	0.000	0.000	83.213	50.656	-2.003	MWD+IFR1+MS
20900.000	90.000	359.771	12255.000	79.257	0.000	83.916	0.000	79.257	0.000	0.000	83.940	50.700	-1.973	MWD+IFR1+MS
21000.000	90.000	359.771	12255.000	79.976	0.000	84.646	0.000	79.976	0.000	0.000	84.670	50.745	-1.944	MWD+IFR1+MS
21100.000	90.000	359.771	12255.000	80.695	0.000	85.379	0.000	80.695	0.000	0.000	85.403	50.790	-1.916	MWD+IFR1+MS
21200.000	90.000	359.771	12255.000	81.416	0.000	86.115	0.000	81.416	0.000	0.000	86.139	50.835	-1.889	MWD+IFR1+MS
21300.000	90.000	359.771	12255.000	82.138	0.000	86.854	0.000	82.138	0.000	0.000	86.877	50.882	-1.862	MWD+IFR1+MS
21400.000	90.000	359.771	12255.000	82.861	0.000	87.595	0.000	82.861	0.000	0.000	87.618	50.928	-1.837	MWD+IFR1+MS
21500.000	90.000	359.771	12255.000	83.585	0.000	88.339	0.000	83.585	0.000	0.000	88.361	50.976	-1.812	MWD+IFR1+MS
21600.000	90.000	359.771	12255.000	84.310	0.000	89.085	0.000	84.310	0.000	0.000	89.107	51.023	-1.788	MWD+IFR1+MS
21700.000	90.000	359.771	12255.000	85.036	0.000	89.834	0.000	85.036	0.000	0.000	89.856	51.072	-1.765	MWD+IFR1+MS
21800.000	90.000	359.771	12255.000	85.764	0.000	90.585	0.000	85.764	0.000	0.000	90.607	51.121	-1.742	MWD+IFR1+MS
21900.000	90.000	359.771	12255.000	86.492	0.000	91.339	0.000	86.492	0.000	0.000	91.360	51.170	-1.720	MWD+IFR1+MS
22000.000	90.000	359.771	12255.000	87.221	0.000	92.094	0.000	87.221	0.000	0.000	92.115	51.220	-1.699	MWD+IFR1+MS
22100.000	90.000	359.771	12255.000	87.951	0.000	92.852	0.000	87.951	0.000	0.000	92.873	51.270	-1.678	MWD+IFR1+MS
22200.000	90.000	359.771	12255.000	88.683	0.000	93.612	0.000	88.683	0.000	0.000	93.632	51.322	-1.658	MWD+IFR1+MS
22300.000	90.000	359.771	12255.000	89.415	0.000	94.374	0.000	89.415	0.000	0.000	94.394	51.373	-1.638	MWD+IFR1+MS
22400.000	90.000	359.771	12255.000	90.148	0.000	95.138	0.000	90.148	0.000	0.000	95.158	51.425	-1.619	MWD+IFR1+MS
22500.000	90.000	359.771	12255.000	90.881	0.000	95.905	0.000	90.881	0.000	0.000	95.924	51.478	-1.600	MWD+IFR1+MS

22600.000	90.000	359.771	12255.000	91.616	0.000	96.673	0.000	91.616	0.000	0.000	96.692	51.531	-1.582	MWD+IFR1+MS
22700.000	90.000	359.771	12255.000	92.352	0.000	97.443	0.000	92.352	0.000	0.000	97.462	51.585	-1.564	MWD+IFR1+MS
22800.000	90.000	359.771	12255.000	93.088	0.000	98.215	0.000	93.088	0.000	0.000	98.234	51.639	-1.547	MWD+IFR1+MS
22900.000	90.000	359.771	12255.000	93.825	0.000	98.988	0.000	93.825	0.000	0.000	99.007	51.694	-1.530	MWD+IFR1+MS
23000.000	90.000	359.771	12255.000	94.563	0.000	99.764	0.000	94.563	0.000	0.000	99.782	51.749	-1.514	MWD+IFR1+MS
23100.000	90.000	359.771	12255.000	95.301	0.000	100.541	0.000	95.301	0.000	0.000	100.559	51.805	-1.498	MWD+IFR1+MS
23200.000	90.000	359.771	12255.000	96.041	0.000	101.320	0.000	96.041	0.000	0.000	101.338	51.861	-1.482	MWD+IFR1+MS
23300.000	90.000	359.771	12255.000	96.781	0.000	102.101	0.000	96.781	0.000	0.000	102.118	51.918	-1.467	MWD+IFR1+MS
23400.000	90.000	359.771	12255.000	97.522	0.000	102.883	0.000	97.522	0.000	0.000	102.900	51.975	-1.452	MWD+IFR1+MS
23500.000	90.000	359.771	12255.000	98.263	0.000	103.667	0.000	98.263	0.000	0.000	103.684	52.033	-1.437	MWD+IFR1+MS
23600.000	90.000	359.771	12255.000	99.005	0.000	104.452	0.000	99.005	0.000	0.000	104.469	52.092	-1.423	MWD+IFR1+MS
23700.000	90.000	359.771	12255.000	99.748	0.000	105.239	0.000	99.748	0.000	0.000	105.256	52.151	-1.409	MWD+IFR1+MS
23800.000	90.000	359.771	12255.000	100.491	0.000	106.027	0.000	100.491	0.000	0.000	106.044	52.210	-1.396	MWD+IFR1+MS
23900.000	90.000	359.771	12255.000	101.235	0.000	106.817	0.000	101.235	0.000	0.000	106.833	52.270	-1.382	MWD+IFR1+MS
24000.000	90.000	359.771	12255.000	101.980	0.000	107.608	0.000	101.980	0.000	0.000	107.624	52.331	-1.370	MWD+IFR1+MS
24100.000	90.000	359.771	12255.000	102.725	0.000	108.401	0.000	102.725	0.000	0.000	108.417	52.392	-1.357	MWD+IFR1+MS
24200.000	90.000	359.771	12255.000	103.471	0.000	109.194	0.000	103.471	0.000	0.000	109.210	52.453	-1.344	MWD+IFR1+MS
24300.000	90.000	359.771	12255.000	104.217	0.000	109.990	0.000	104.217	0.000	0.000	110.005	52.515	-1.332	MWD+IFR1+MS
24400.000	90.000	359.771	12255.000	104.964	0.000	110.786	0.000	104.964	0.000	0.000	110.802	52.578	-1.320	MWD+IFR1+MS
24500.000	90.000	359.771	12255.000	105.712	0.000	111.584	0.000	105.712	0.000	0.000	111.599	52.641	-1.309	MWD+IFR1+MS
24600.000	90.000	359.771	12255.000	106.460	0.000	112.383	0.000	106.460	0.000	0.000	112.398	52.704	-1.297	MWD+IFR1+MS
24700.000	90.000	359.771	12255.000	107.208	0.000	113.183	0.000	107.208	0.000	0.000	113.198	52.768	-1.286	MWD+IFR1+MS
24800.000	90.000	359.771	12255.000	107.957	0.000	113.985	0.000	107.957	0.000	0.000	114.000	52.833	-1.275	MWD+IFR1+MS
24900.000	90.000	359.771	12255.000	108.707	0.000	114.787	0.000	108.707	0.000	0.000	114.802	52.898	-1.265	MWD+IFR1+MS
25000.000	90.000	359.771	12255.000	109.457	0.000	115.591	0.000	109.457	0.000	0.000	115.606	52.963	-1.254	MWD+IFR1+MS
25100.000	90.000	359.771	12255.000	110.208	0.000	116.396	0.000	110.208	0.000	0.000	116.410	53.029	-1.244	MWD+IFR1+MS
25200.000	90.000	359.771	12255.000	110.959	0.000	117.202	0.000	110.959	0.000	0.000	117.216	53.096	-1.234	MWD+IFR1+MS
25300.000	90.000	359.771	12255.000	111.710	0.000	118.009	0.000	111.710	0.000	0.000	118.023	53.162	-1.224	MWD+IFR1+MS
25400.000	90.000	359.771	12255.000	112.462	0.000	118.817	0.000	112.462	0.000	0.000	118.831	53.230	-1.214	MWD+IFR1+MS
25500.000	90.000	359.771	12255.000	113.214	0.000	119.626	0.000	113.214	0.000	0.000	119.640	53.298	-1.205	MWD+IFR1+MS
25600.000	90.000	359.771	12255.000	113.967	0.000	120.436	0.000	113.967	0.000	0.000	120.450	53.366	-1.195	MWD+IFR1+MS
25700.000	90.000	359.771	12255.000	114.721	0.000	121.247	0.000	114.721	0.000	0.000	121.260	53.435	-1.186	MWD+IFR1+MS
25800.000	90.000	359.771	12255.000	115.474	0.000	122.059	0.000	115.474	0.000	0.000	122.072	53.504	-1.177	MWD+IFR1+MS

25900.000	90.000	359.771	12255.000	116.228	0.000	122.872	0.000	116.228	0.000	0.000	122.885	53.574	-1.168	MWD+IFR1+MS
26000.000	90.000	359.771	12255.000	116.983	0.000	123.686	0.000	116.983	0.000	0.000	123.699	53.645	-1.160	MWD+IFR1+MS
26100.000	90.000	359.771	12255.000	117.738	0.000	124.501	0.000	117.738	0.000	0.000	124.514	53.715	-1.151	MWD+IFR1+MS
26200.000	90.000	359.771	12255.000	118.493	0.000	125.316	0.000	118.493	0.000	0.000	125.329	53.787	-1.143	MWD+IFR1+MS
26300.000	90.000	359.771	12255.000	119.249	0.000	126.133	0.000	119.249	0.000	0.000	126.146	53.858	-1.134	MWD+IFR1+MS
26400.000	90.000	359.771	12255.000	120.005	0.000	126.950	0.000	120.005	0.000	0.000	126.963	53.931	-1.126	MWD+IFR1+MS
26500.000	90.000	359.771	12255.000	120.761	0.000	127.768	0.000	120.761	0.000	0.000	127.781	54.003	-1.118	MWD+IFR1+MS
26600.000	90.000	359.771	12255.000	121.518	0.000	128.588	0.000	121.518	0.000	0.000	128.600	54.076	-1.111	MWD+IFR1+MS
26700.000	90.000	359.771	12255.000	122.275	0.000	129.407	0.000	122.275	0.000	0.000	129.420	54.150	-1.103	MWD+IFR1+MS
26800.000	90.000	359.771	12255.000	123.032	0.000	130.228	0.000	123.032	0.000	0.000	130.240	54.224	-1.095	MWD+IFR1+MS
26900.000	90.000	359.771	12255.000	123.790	0.000	131.050	0.000	123.790	0.000	0.000	131.062	54.298	-1.088	MWD+IFR1+MS
27000.000	90.000	359.771	12255.000	124.548	0.000	131.872	0.000	124.548	0.000	0.000	131.884	54.373	-1.081	MWD+IFR1+MS
27100.000	90.000	359.771	12255.000	125.307	0.000	132.695	0.000	125.307	0.000	0.000	132.707	54.449	-1.074	MWD+IFR1+MS
27200.000	90.000	359.771	12255.000	126.066	0.000	133.519	0.000	126.066	0.000	0.000	133.530	54.525	-1.067	MWD+IFR1+MS
27300.000	90.000	359.771	12255.000	126.825	0.000	134.343	0.000	126.825	0.000	0.000	134.355	54.601	-1.060	MWD+IFR1+MS
27400.000	90.000	359.771	12255.000	127.584	0.000	135.168	0.000	127.584	0.000	0.000	135.180	54.678	-1.053	MWD+IFR1+MS
27500.000	90.000	359.771	12255.000	128.344	0.000	135.994	0.000	128.344	0.000	0.000	136.006	54.755	-1.046	MWD+IFR1+MS
27600.000	90.000	359.771	12255.000	129.104	0.000	136.821	0.000	129.104	0.000	0.000	136.832	54.833	-1.040	MWD+IFR1+MS
27700.000	90.000	359.771	12255.000	129.864	0.000	137.648	0.000	129.864	0.000	0.000	137.659	54.911	-1.033	MWD+IFR1+MS
27800.000	90.000	359.771	12255.000	130.625	0.000	138.476	0.000	130.625	0.000	0.000	138.487	54.989	-1.027	MWD+IFR1+MS
27900.000	90.000	359.771	12255.000	131.386	0.000	139.304	0.000	131.386	0.000	0.000	139.315	55.068	-1.020	MWD+IFR1+MS
28000.000	90.000	359.771	12255.000	132.147	0.000	140.133	0.000	132.147	0.000	0.000	140.144	55.148	-1.014	MWD+IFR1+MS
28100.000	90.000	359.771	12255.000	132.908	0.000	140.963	0.000	132.908	0.000	0.000	140.974	55.228	-1.008	MWD+IFR1+MS
28200.000	90.000	359.771	12255.000	133.670	0.000	141.794	0.000	133.670	0.000	0.000	141.804	55.308	-1.002	MWD+IFR1+MS
28300.000	90.000	359.771	12255.000	134.432	0.000	142.625	0.000	134.432	0.000	0.000	142.635	55.389	-0.996	MWD+IFR1+MS
28400.000	90.000	359.771	12255.000	135.194	0.000	143.456	0.000	135.194	0.000	0.000	143.467	55.470	-0.990	MWD+IFR1+MS
28500.000	90.000	359.771	12255.000	135.957	0.000	144.288	0.000	135.957	0.000	0.000	144.299	55.551	-0.985	MWD+IFR1+MS
28600.000	90.000	359.771	12255.000	136.719	0.000	145.121	0.000	136.719	0.000	0.000	145.132	55.633	-0.979	MWD+IFR1+MS
28700.000	90.000	359.771	12255.000	137.482	0.000	145.954	0.000	137.482	0.000	0.000	145.965	55.716	-0.973	MWD+IFR1+MS
28800.000	90.000	359.771	12255.000	138.246	0.000	146.788	0.000	138.246	0.000	0.000	146.799	55.799	-0.968	MWD+IFR1+MS
28900.000	90.000	359.771	12255.000	139.009	0.000	147.623	0.000	139.009	0.000	0.000	147.633	55.882	-0.963	MWD+IFR1+MS
29000.000	90.000	359.771	12255.000	139.773	0.000	148.458	0.000	139.773	0.000	0.000	148.468	55.966	-0.957	MWD+IFR1+MS
29104.300	90.000	359.771	12255.000	140.570	0.000	149.329	0.000	140.570	0.000	0.000	149.339	56.053	-0.952	MWD+IFR1+MS

29203.921 90.000 359.771 12255.000 141.331 0.000 150.162 0.000 141.331 0.000 0.000 150.172 56.138 -0.947 MWD+IFR1+MS

Plan Targets

POKER LAKE UNIT 23 DTD 177H

Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
FTP 6	13108.55	440144.80	650514.10	8779.00	RECTANGLE
LTP 6	29105.30	456140.40	650450.20	8779.00	RECTANGLE
BHL 6	29205.00	456240.40	650449.90	8779.00	RECTANGLE

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

XTO Energy Inc.
POKER LAKE UNIT 23 DTD - 177H
Projected TD: 29203' MD / 12256' TVD
SHL: 845' FSL & 548' FEL , Section 14, T24S, R30E
BHL: 230' FNL & 1300' FEL , Section 2, 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	544'	Water
Top of Salt	857'	Water
Base of Salt	3874'	Water
Delaware	4083'	Water
Brushy Canyon	6299'	Water/Oil/Gas
Bone Spring	7959'	Water
1st Bone Spring Ss	8925'	Water/Oil/Gas
2nd Bone Spring Ss	9708'	Water/Oil/Gas
Target/Land Curve	12256'	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 @ 832' (25' above the salt) and circulating cement back to surface. The salt will be isolated by setting 9.625 inch casing at 3974' and circulating cement to surface. The second intermediate will isolate from the salt down to the next casing seat by setting 7.625 inch casing at 11339' and cementing to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 29203 MD/TD and 5.5 inch production casing will be set at TD and cemented back up to 2nd intermediate (estimated TOC 11039 feet) per Potash regulations.

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
17.5	0' – 832'	13.375	54.5	J-55	BTC	New	3.11	3.22	20.05
12.25	0' – 3974'	9.625	40	J-55	BTC	New	1.40	3.06	3.96
8.75	0' – 4074'	7.625	29.7	RY P-110	Flush Joint	New	1.69	2.81	1.66
8.75	4074' – 11339'	7.625	29.7	HC L-80	Flush Joint	New	1.23	2.83	1.88
6.75	0' – 11239'	5.5	23	RY P-110	Semi-Premium	New	1.21	1.91	1.69
6.75	11239' - 29203'	5.5	23	RY P-110	Semi-Flush	New	1.21	1.75	4.10

· Production casing meets the clearance requirements as tapered string crosses over before encountering the intermediate shoe, per Onshore Order 2.3.B.1

· XTO requests the option to utilize a spudder rig (Atlas Copco RD20 or Equivalent) to set and cement surface and intermediate 1 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.

· 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

· 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" bottom

B. Tubing Head: 13-5/8" 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: 13.375, 54.5 New BTC, J-55 casing to be set at +/- 832'

Optional Lead: 550 sxs EconoCem-HLTRRC (mixed at 12.8 ppg, 1.33 ft³/sx, 10.13 gal/sx water)
 Tail: 310 sxs Class C + 2% CaCl (mixed at 14.8 ppg, 1.33 ft³/sx, 6.39 gal/sx water)
 Top of Cement: Surface
 Compressives: 12-hr = 250 psi 24 hr = 500 psi

Due to the high probability of not getting cement to surface during conventional top-out jobs in the area, ~10-20 ppb gravel will be added on the backside of the 1" to get cement to surface, if required.

1st Intermediate Casing: 9.625, 40 New BTC, J-55 casing to be set at +/- 3974'

Lead: 830 sxs Class C (mixed at 14.8 ppg, 2.06 ft³/sx, 10.13 gal/sx water)
 Tail: 60 sxs Class C + 2% CaCl (mixed at 15.6 ppg, 2.06 ft³/sx, 6.39 gal/sx water)
 Top of Cement: Surface
 Compressives: 12-hr = 900 psi 24 hr = 1500 psi

2nd Intermediate Casing: 7.625, 29.7 New casing to be set at +/- 11339'

1st Stage

Optional Lead: 120 sxs Class C (mixed at 10.5 ppg, 2.77 ft³/sx, 15.59 gal/sx water)
 TOC: 3674
 Tail: 530 sxs Class C (mixed at 14.8 ppg, 1.27 ft³/sx, 6.39 gal/sx water)
 TOC: Brushy Canyon @ 6299
 Compressives: 12-hr = 900 psi 24 hr = 1150 psi

2nd Stage - bradenhead contingency

Tail: 130 sxs Class C (mixed at 14.8 ppg, 2.77 ft³/sx, 6.39 gal/sx water)
 Top of Cement: 3674
 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 Brushy Canyon (6299') and the second stage performed as a bradenhead squeeze with planned cement from the Brushy Canyon to surface.

XTO requests to pump an Optional Lead if well conditions dictate in an attempt to bring cement to surface. 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 wellhead provider 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 +/- 29203'

Lead: 30 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft³/sx, 15.00 gal/sx water) Top of Cement: 11039 feet
 Tail: 1090 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft³/sx, 8.38 gal/sx water) Top of Cement: 11983 feet
 Compressives: 12-hr = 1375 psi 24 hr = 2285 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 5589 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 conducted to at least 50% of the rated 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 7.625, 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' - 832'	17.5	FW/Native	8.1-8.6	35-40	NC
832' - 3974'	12.25	Brine	8.5-9	30-32	NC
3974' to 11339'	8.75	BDE/OBM or FW/Brine	9-9.5	30-32	NC
11339' to 29203'	6.75	OBM	13-13.5	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 13-3/8" surface casing with brine solution. A 10.0 ppg -10.5 ppg 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 where necessary. Otherwise, gamma ray will be utilized while actively drilling.

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 8285 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.

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

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

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

AMENDED REPORT

APD ID 10400080748

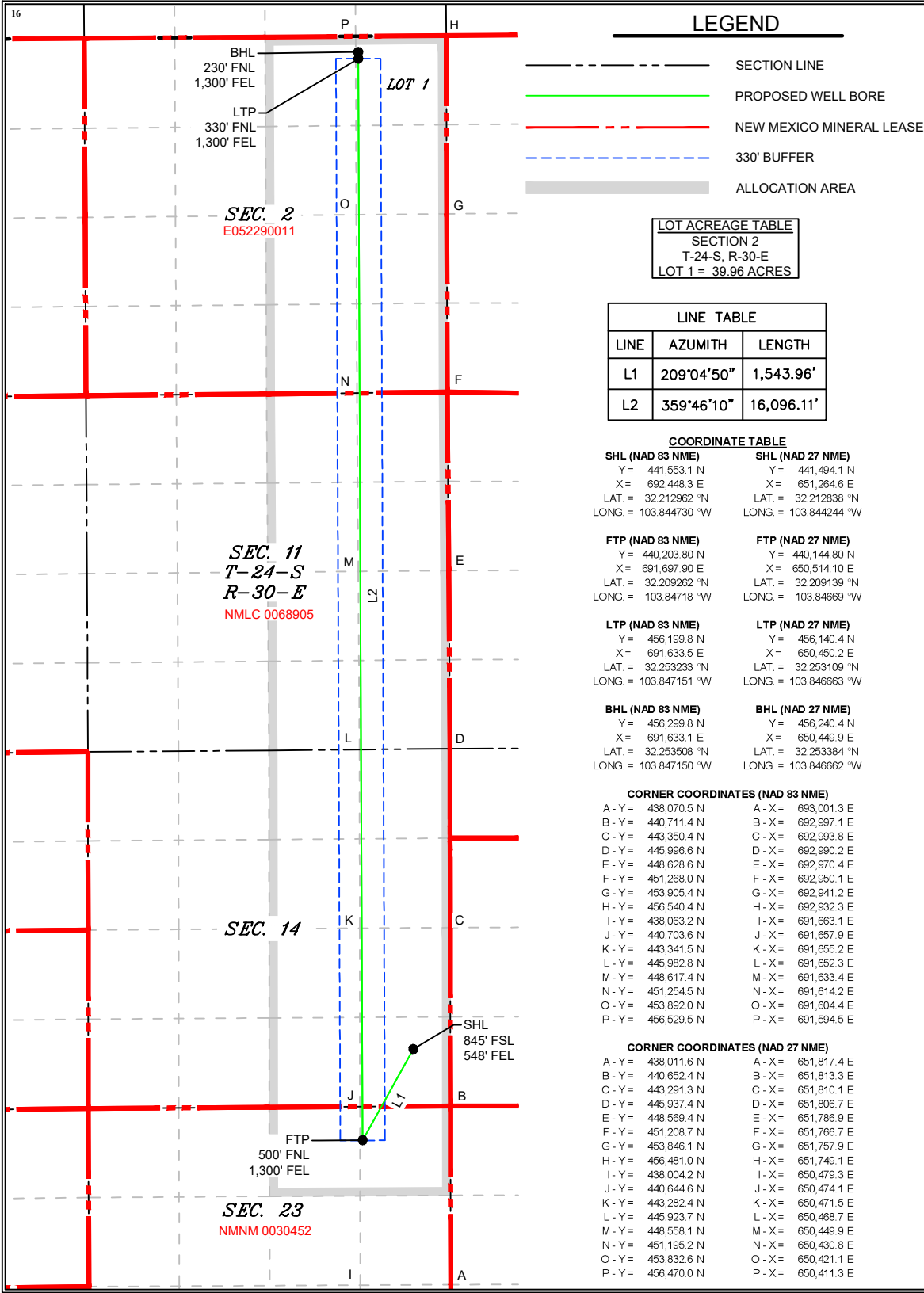
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-	² Pool Code 98220	³ Pool Name Purple Sage; Wolfcamp (gas)
⁴ Property Code	⁵ Property Name POKER LAKE UNIT 23 DTD	⁶ Well Number 177H
⁷ OGRID No. 373075	⁸ Operator Name XTO PERMIAN OPERATING, LLC.	⁹ Elevation 3,445'

¹⁰ Surface Location									
UL or lot no. P	Section 14	Township 24S	Range 30E	Lot Idn	Feet from the 845	North/South line SOUTH	Feet from the 548	East/West line EAST	County EDDY

¹¹ Bottom Hole Location If Different From Surface									
UL or lot no. 1	Section 2	Township 24S	Range 30E	Lot Idn	Feet from the 230	North/South line NORTH	Feet from the 1,300	East/West line EAST	County EDDY
¹² Dedicated Acres 960	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 12-4-23
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.

11-01-2023

Date of Survey

Signature and Seal of
Professional Surveyor:



MARK DILLON HARP 23786
Certificate Number

DB/AI/RP 618.013003.09-13

Intent ☒ As Drilled ☐

API # 30015		
Operator Name: XTO PERMIAN OPERATING, LLC	Property Name: Poker Lake Unit 23 DTD	Well Number 177H

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 A	Section 23	Township 24S	Range 30E	Lot	Feet 500	From N/S North	Feet 1,300	From E/W East	County Eddy
Latitude 32.209262					Longitude 103.84718				NAD 83

Last Take Point (LTP)

UL 1	Section 2	Township 24S	Range 30E	Lot	Feet 330	From N/S North	Feet 1,300	From E/W East	County Eddy
Latitude 32.253233					Longitude 103.847151				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

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

CONDITIONS

Action 299612

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 299612
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

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