

Well Name: POKER LAKE UNIT 16 TWR	Well Location: T24S / R31E / SEC 21 / NWNE / 32.208593 / -103.782111	County or Parish/State: EDDY / NM
Well Number: 106H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM0000506A, NMNM0506A	Unit or CA Name: DONOTUSE, POKER LAKE UNIT	Unit or CA Number: NMNM071016Z, NMNM71016X
US Well Number: 3001547223	Operator: XTO PERMIAN OPERATING LLC	

Notice of Intent

Sundry ID: 2668425

Type of Submission: Notice of Intent	Type of Action: Other
Date Sundry Submitted: 04/25/2022	Time Sundry Submitted: 11:00
Date proposed operation will begin: 05/10/2022	

Procedure Description: **Pool Change, Spacing, Casing/Cement, Drilling Variance Changes XTO Permian Operating, LLC requests permission to make the following changes to the original APD: No Additional Surface Disturbance Change surface hole location fr/545’FNL & 2437’FEL to 544’FNL & 2437’FEL Total Change: 1’ South Change formation from Wolfcamp to Bone Spring. Change pool from Purple Sage; Wolfcamp (98220) to Cotton Draw; Bone Spring, South (96546). Change BHL fr/200’FSL & 1562’FWL to 50’FSL & 2200’FWL, Section 28-T24S-R31E Casing/Cement design per the attached drilling program. Attachments: C102 Drilling Program Directional Plan Multibowl Diagram

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

PLU_16_TWR_106H_Attachments_20220425105959.pdf

Received by OCD: 12/17/2024 9:44:33 AM

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Conditions of Approval

Additional

Sec_21_24S_34E_NMP_2668425_PLU_16_TWR_106H_Eddy_NMNM0506A__XTO_COAs_20220607152502.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: STEPHANIE RABADUE

Signed on: APR 25, 2022 11:00 AM

Name: XTO PERMIAN OPERATING LLC

Title: Regulatory Coordinator

Street Address: 500 W. Illinois St, Ste 100

City: MidlandState: TX

Phone: (432) 620-6714

Email address: STEPHANIE.RABADUE@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: 06/22/2022

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 <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.
		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.
2. Name of Operator		9. API Well No.
3a. Address	3b. Phone No. (include area code)	10. Field and Pool or Exploratory Area
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		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			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ 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 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

Additional Remarks

Casing/Cement design per the attached drilling program.

Attachments:

C102

Drilling Program

Directional Plan

Multibowl Diagram

Location of Well

0. SHL: NWNE / 545 FNL / 2437 FEL / TWSP: 24S / RANGE: 31E / SECTION: 21 / LAT: 32.208593 / LONG: -103.782111 (TVD: 0 feet, MD: 0 feet)

PPP: SWSE / 990 FSL / 1562 FEL / TWSP: 24S / RANGE: 31E / SECTION: 21 / LAT: 32.19834 / LONG: -103.77982 (TVD: 11685 feet, MD: 16046 feet)

PPP: NWNE / 330 FNL / 1562 FEL / TWSP: 24S / RANGE: 31E / SECTION: 21 / LAT: 32.209184 / LONG: -103.779282 (TVD: 11685 feet, MD: 12086 feet)

PPP: NWNE / 330 FNL / 1562 FEL / TWSP: 24S / RANGE: 31E / SECTION: 28 / LAT: 32.19472 / LONG: -103.77982 (TVD: 11685 feet, MD: 17366 feet)

PPP: NWSE / 2310 FSL / 1562 FEL / TWSP: 24S / RANGE: 31E / SECTION: 21 / LAT: 32.20193 / LONG: -103.77982 (TVD: 11910 feet, MD: 16244 feet)

BHL: SWSE / 200 FSL / 1562 FEL / TWSP: 24S / RANGE: 31E / SECTION: 28 / LAT: 32.181606 / LONG: -103.779232 (TVD: 11685 feet, MD: 22119 feet)

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO Permian Operating, LLC
WELL NAME & NO.:	Poker Lake Unit 16 TWR 106H
LOCATION:	Sec 21-24S-31E-NMP
COUNTY:	Eddy County, New Mexico

Updated COAs per **Sundry 2668425**. Includes casing and BHL changes. Offline cementing approved for surface and intermediate casing.

COA

H2S	☐ Yes	☒ No	
Potash	☒ None	☐ Secretary	☐ R-111-P
Cave/Karst Potential	☒ Low	☐ Medium	☐ High
Cave/Karst Potential	☐ Critical		
Variance	☐ None	☒ Flex Hose	☐ Other
Wellhead	☐ Conventional	☒ Multibowl	☐ Both
Other	☐ 4 String Area	☐ Capitan Reef	☐ WIPP
Other	☐ Fluid Filled	☐ Cement Squeeze	☐ Pilot Hole
Special Requirements	☐ Water Disposal	☐ COM	☒ Unit

A. HYDROGEN SULFIDE

Hydrogen Sulfide (H2S) monitors shall be installed prior to drilling out the surface shoe. If H2S is detected in concentrations greater than 100 ppm, the Hydrogen Sulfide area shall meet Onshore Order 6 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, provide measured values and formations to the BLM.

B. CASING

1. The **9-5/8** inch surface casing shall be set at approximately 770 feet (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite and above the salt) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8**

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

- c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.
2. The minimum required fill of cement behind the **7-5/8** inch intermediate casing is:

Operator has proposed a DV tool, the depth may be adjusted as long as the cement is changed proportionally. The DV tool may be cancelled if cement circulates to surface on the first stage.

- a. First stage to DV tool: Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.
 - b. Second stage above DV tool:
 - Cement to surface. If cement does not circulate, contact the appropriate BLM office.
3. The minimum required fill of cement behind the **5-1/2** 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. This assembly will only be tested when installed on the surface casing. 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 OOGO2.III.A.2.i 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.

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

Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220,
(575) 361-2822

☒ Lea County

Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575)
689-5981

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
 - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure

- rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
- b. When the operator proposes to set surface casing with Spudder Rig
- Notify the BLM when moving in and removing the Spudder Rig.
 - Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - BOP/BOPE test to be conducted per Onshore Oil and Gas Order No. 2 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 Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
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 OOGO2.III.A.2.i 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 when specified), 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 plug. However, **no tests** shall commence until the cement has had a minimum of 24 hours setup time, except the casing pressure test can be initiated immediately after bumping the plug (only applies to single stage cement jobs).
 - c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to Onshore Order 2 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 Onshore Order No. 2.

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 30-015-47223	² Pool Code 96546	³ Pool Name Cotton Draw; Bone Spring, South
⁴ Property Code	⁵ Property Name POKER LAKE UNIT 16 TWR	⁶ Well Number 106H
⁷ OGRID No. 373075	⁸ Operator Name XTO PERMIAN OPERATING, LLC.	⁹ Elevation 3,510'

¹⁰ Surface Location

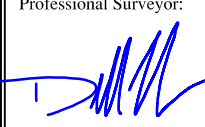
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	21	24 S	31 E		544	NORTH	2,437	EAST	EDDY

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	28	24 S	31 E		50	SOUTH	2,200	WEST	EDDY

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	SHL (NAD83 NME) Y = 440,057.5 X = 711,822.9 LAT. = 32.208593 °N LONG. = 103.782111 °W LTP (NAD83 NME) Y = 430,135.5 X = 711,244.9 LAT. = 32.181328 °N LONG. = 103.784144 °W FTP (NAD83 NME) Y = 440,268.4 X = 711,181.7 LAT. = 32.209182 °N LONG. = 103.784181 °W BHL (NAD83 NME) Y = 430,085.5 X = 711,245.2 LAT. = 32.181191 °N LONG. = 103.784144 °W CORNER COORDINATES (NAD83 NME) <table border="0"> <tr><td>A - Y = 440,600.9 N</td><td>X = 711,619.5 E</td></tr> <tr><td>B - Y = 440,593.6 N</td><td>X = 710,299.6 E</td></tr> <tr><td>C - Y = 437,961.7 N</td><td>X = 711,635.8 E</td></tr> <tr><td>D - Y = 437,954.7 N</td><td>X = 710,316.0 E</td></tr> <tr><td>E - Y = 435,320.2 N</td><td>X = 711,652.1 E</td></tr> <tr><td>F - Y = 435,312.5 N</td><td>X = 710,332.2 E</td></tr> <tr><td>G - Y = 432,679.1 N</td><td>X = 711,669.4 E</td></tr> <tr><td>H - Y = 432,671.3 N</td><td>X = 710,349.1 E</td></tr> <tr><td>I - Y = 430,038.2 N</td><td>X = 711,686.6 E</td></tr> <tr><td>J - Y = 430,030.3 N</td><td>X = 710,366.1 E</td></tr> </table> SHL (NAD27 NME) Y = 439,998.7 X = 670,638.9 LAT. = 32.208470 °N LONG. = 103.781628 °W LTP (NAD27 NME) Y = 430,076.9 X = 670,060.5 LAT. = 32.181204 °N LONG. = 103.783662 °W FTP (NAD27 NME) Y = 440,209.6 X = 669,997.7 LAT. = 32.209058 °N LONG. = 103.783697 °W BHL (NAD27 NME) Y = 430,026.9 X = 670,060.8 LAT. = 32.181067 °N LONG. = 103.783661 °W CORNER COORDINATES (NAD27 NME) <table border="0"> <tr><td>A - Y = 440,542.0 N</td><td>X = 670,435.5 E</td></tr> <tr><td>B - Y = 440,534.7 N</td><td>X = 669,115.6 E</td></tr> <tr><td>C - Y = 437,902.8 N</td><td>X = 670,451.7 E</td></tr> <tr><td>D - Y = 437,895.9 N</td><td>X = 669,132.0 E</td></tr> <tr><td>E - Y = 435,261.5 N</td><td>X = 670,468.0 E</td></tr> <tr><td>F - Y = 435,253.7 N</td><td>X = 669,148.1 E</td></tr> <tr><td>G - Y = 432,620.4 N</td><td>X = 670,485.1 E</td></tr> <tr><td>H - Y = 432,612.7 N</td><td>X = 669,164.9 E</td></tr> <tr><td>I - Y = 429,979.6 N</td><td>X = 670,502.2 E</td></tr> <tr><td>J - Y = 429,971.7 N</td><td>X = 669,181.7 E</td></tr> </table>	A - Y = 440,600.9 N	X = 711,619.5 E	B - Y = 440,593.6 N	X = 710,299.6 E	C - Y = 437,961.7 N	X = 711,635.8 E	D - Y = 437,954.7 N	X = 710,316.0 E	E - Y = 435,320.2 N	X = 711,652.1 E	F - Y = 435,312.5 N	X = 710,332.2 E	G - Y = 432,679.1 N	X = 711,669.4 E	H - Y = 432,671.3 N	X = 710,349.1 E	I - Y = 430,038.2 N	X = 711,686.6 E	J - Y = 430,030.3 N	X = 710,366.1 E	A - Y = 440,542.0 N	X = 670,435.5 E	B - Y = 440,534.7 N	X = 669,115.6 E	C - Y = 437,902.8 N	X = 670,451.7 E	D - Y = 437,895.9 N	X = 669,132.0 E	E - Y = 435,261.5 N	X = 670,468.0 E	F - Y = 435,253.7 N	X = 669,148.1 E	G - Y = 432,620.4 N	X = 670,485.1 E	H - Y = 432,612.7 N	X = 669,164.9 E	I - Y = 429,979.6 N	X = 670,502.2 E	J - Y = 429,971.7 N	X = 669,181.7 E	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Stephanie Rabadue</i> 01/22/2022 Signature Date Stephanie Rabadue Printed Name stephanie.rabadue@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. 01-20-2022 Date of Survey Signature and Seal of Professional Surveyor:  MARK DILLON HARP 23786 Certificate Number LM/AW 2019030738
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DRILLING PLAN: BLM COMPLIANCE
(Supplement to BLM 3160-3)

XTO Energy Inc.
PLU 16 Twin Wells Ranch 106H
Projected TD: 20273' MD / 10123' TVD
SHL: 544' FNL & 2437' FEL , Section 21, T24S, R31E
BHL: 50' FSL & 2200' FWL , Section 28, T24S, R31E
Eddy County, NM

1. Geologic Name of Surface Formation

A. Quaternary

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

Formation	Well Depth (TVD)	Water/Oil/Gas
Rustler	681'	Water
Top of Salt	955'	Water
Base of Salt	4166'	Water
Delaware	4400'	Water
Brushy Canyon	6515'	Water/Oil/Gas
Bone Spring	8230'	Water
1st Bone Spring Ss	9252'	Water/Oil/Gas
2nd Bone Spring Ss	9998'	Water/Oil/Gas
Target/Land Curve	10123'	Water/Oil/Gas

*** Hydrocarbons @ Brushy Canyon

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

No other formations are expected to yield oil, gas or fresh water in measurable volumes. The surface fresh water sands will be protected by setting 9.625 inch casing @ 781' (174' above the salt) and circulating cement back to surface. The intermediate will isolate from the top of salt down to the next casing seat by setting 7.625 inch casing at 9290' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 20273 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 8990 feet).

3. Casing Design

Hole Size	MD	TVD	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0' – 781'	781'	9.625	40	J-55	BTC	New	1.50	7.27	20.17
8.75	0' – 4000'	3945'	7.625	29.7	RY P-110	Flush Joint	New	3.12	2.65	2.02
8.75	4000' – 9290'	9213'	7.625	29.7	HC L-80	Flush Joint	New	2.27	2.16	2.58
6.75	0' – 9190'	9113'	5.5	20	RY P-110	Semi-Premium	New	1.05	2.32	2.30
6.75	9190' - 20273'	10123'	5.5	20	RY P-110	Semi-Flush	New	1.05	2.11	2.30

· 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 casing per this Sundry

· XTO requests to not utilize centralizers in the curve and lateral

· 7.625 Collapse analyzed using 50% evacuation based on regional experience.

· 5.5 Tension calculated using vertical hanging weight plus the lateral weight multiplied by a friction factor of 0.35

· Test on Casing will be limited to 70% burst of the casing or 1500 psi, whichever is less

· XTO requests the option to use 5" BTC Float equipment for the the production casing

Wellhead:

Permanent Wellhead – Multibowl System

A. Starting Head: 11" 10M top flange x 9-5/8" bottom

B. Tubing Head: 11" 10M bottom flange x 7-1/16" 15M top flange

- Wellhead will be installed by manufacturer's representatives.
- Manufacturer will monitor welding process to ensure appropriate temperature of seal.
- Operator will test the 7-5/8" casing per BLM Onshore Order 2
- Wellhead Manufacturer representative will not be present for BOP test plug installation

4. Cement Program

Surface Casing: 9.625, 40 New BTC, J-55 casing to be set at +/- 781

Lead: 160 sxs EconoCem-HLTRRC (mixed at 12.9 ppg, 1.87 ft3/sx, 10.13 gal/sx water)

Tail: 130 sxs Class C + 2% CaCl (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)

Top of Cement: Surface

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

2nd Intermediate Casing: 7.625, 29.7 New casing to be set at +/- 9290

1st Stage

Optional Lead: 350 sxs Class C (mixed at 10.5 ppg, 2.77 ft3/sx, 15.59 gal/sx water)

TOC: Surface

Tail: 250 sxs Class C (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)

TOC: Brushy Canyon @ 6515

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: 730 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 (6515') 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 include the Echo-meter verified fluid top and the volume of displacement fluid above the cement slurry in the annulus in all post-drill sundries on wells utilizing this cement program.

XTO will report to the BLM the volume of fluid (limited to 5 bbls) used to flush intermediate casing valves following backside cementing procedures.

XTO requests to pump an Optional Lead if well conditions dictate in an attempt to bring cement inside the first intermediate casing. If cement reaches the desired height, the BLM will be notified and the second stage bradenhead squeeze and subsequent TOC verification will be negated.

XTO requests the option to conduct the bradenhead squeeze and TOC verification offline as per standard approval from BLM when unplanned remediation is needed and batch drilling is approved. In the event the bradenhead is conducted, we will ensure the first stage cement job is cemented properly and the well is static with floats holding and no pressure on the csg annulus as with all other casing strings where batch drilling operations occur before moving off the rig. The TA cap will also be installed per Cactus procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops.

Production Casing: 5.5, 20 New Semi-Flush, RY P-110 casing to be set at +/- 20273

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft3/sx, 15.00 gal/sx water) Top of Cement: 8990 feet

Tail: 760 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft3/sx, 8.38 gal/sx water) Top of Cement: 9637 feet

Compressives: 12-hr = 800 psi 24 hr = 1500 psi

XTO requests the option to offline cement and remediate (if needed) surface and intermediate casing strings where batch drilling is approved and if unplanned remediation is needed. XTO will ensure well is static with no pressure on the csg annulus, as with all other casing strings where batch drilling operations occur before moving off the rig. The TA cap will also be installed when applicable per Cactus procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops. Offline cement operations will then be conducted after the rig is moved off the current well to the next well in the batch sequence.

5. Pressure Control Equipment

Once the permanent WH is installed on the 9.625 casing, the blow out preventer equipment (BOP) will consist of a 13-5/8" minimum 5M Hydril and a 13-5/8" minimum 5M Double Ram BOP. MASP should not exceed 3037 psi. In any instance where 10M BOP is required by BLM, XTO requests a variance to utilize 5M annular with 10M ram preventers (a common BOP configuration, which allows use of 10M rams in unlikely event that pressures exceed 5M).

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

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

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

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

6. Proposed Mud Circulation System

INTERVAL	Hole Size		Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)
0' - 781'	12.25		FW/Native	8.7-9.2	35-40	NC
781' - 9290'	8.75		FW / Cut Brine / Direct Emulsion	9.7-10.2	30-32	NC
9290' - 20273'	6.75		OBM	10-10.5	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 Kelly cock will be in the drill string at all times.
- A full opening drill pipe stabbing valve having appropriate connections will be on the rig floor at all times.
- H2S monitors will be on location when drilling below the 9.625 casing.

8. Logging, Coring and Testing Program

Mud Logger: Mud Logging Unit (2 man) below intermediate casing.

Open hole logging will include None

9. Abnormal Pressures and Temperatures / Potential Hazards

None Anticipated. BHT of 165 to 185 F is anticipated. No H2S is expected but monitors will be in place to detect any H2S occurrences. Should these circumstances be encountered the operator and drilling contractor are prepared to take all necessary steps to ensure safety of all personnel and environment. Lost circulation could occur but is not expected to be a serious problem in this area and hole seepage will be compensated for by additions of small amounts of LCM in the drilling fluid. The maximum anticipated bottom hole pressure for this well is 5264 psi.

10. Anticipated Starting Date and Duration of Operations

Anticipated spud date will be after BLM approval. Move in operations and drilling is expected to take 40 days.

Well Plan Report - PLU 16 TWR 106H

Measured Depth: 20273.44 ft Site: PLU 16 TWR B/C
TVD RKB: 10123.00 ft Slot: 2
Location
Cartographic Reference System: New Mexico East - NAD 27
Northing: 439991.31 ft
Easting: 670656.70 ft
RKB: 3543.00 ft
Ground Level: 3513.00 ft
North Reference: Grid
Convergence Angle: 0.29 Deg

Plan Sections									
PLU 16 TWR 106H									
Measured		TVD				Build	Turn	Dogleg	
Depth	Inclination	Azimuth	RKB	Y Offset	X Offset	Rate	Rate	Rate	Target
(ft)	(Deg)	(Deg)	(ft)	(ft)	(ft)	(Deg/100ft)	(Deg/100ft)	(Deg/100ft)	
0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	
1500.00	0.00	0.00	1500.00	0.01	0.00	0.00	0.00	0.00	
2157.62	13.15	307.03	2151.86	45.27	-59.99	2.00	0.00	2.00	
5029.23	13.15	307.03	4948.14	438.80	-581.60	0.00	0.00	0.00	
5686.85	0.00	0.00	5600.00	484.06	-641.59	-2.00	0.00	2.00	
9636.85	0.00	0.00	9550.00	484.06	-641.59	0.00	0.00	0.00	
10536.85	90.00	180.00	10122.96	-88.90	-641.59	10.00	0.00	10.00	
20273.44	90.00	179.37	10123.00	-9825.29	-587.78	-0.00	-0.01	0.01	PLU 16 TWR BHL 2

Position Uncertainty			PLU 16 TWR 106H												
Measured			TVD		Highside		Lateral		Vertical		Magnitude	Semi-major	Semi-minor	Semi-minor	Tool
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)	(ft)	(°)	
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.297	0.000	0.000	0.000	0.000	0.000	OWSG MWD+IFR1+MS	
100.000	0.000	0.000	100.000	0.358	0.000	0.358	0.000	2.299	0.000	0.000	0.358	0.358	0.000	OWSG MWD+IFR1+MS	
200.000	0.000	0.000	200.000	0.717	0.000	0.717	0.000	2.307	0.000	0.000	0.717	0.717	0.000	OWSG MWD+IFR1+MS	
300.000	0.000	0.000	300.000	1.075	0.000	1.075	0.000	2.321	0.000	0.000	1.075	1.075	0.000	OWSG MWD+IFR1+MS	
400.000	0.000	0.000	400.000	1.434	0.000	1.434	0.000	2.340	0.000	0.000	1.434	1.434	0.000	OWSG MWD+IFR1+MS	
500.000	0.000	0.000	500.000	1.792	0.000	1.792	0.000	2.364	0.000	0.000	1.792	1.792	0.000	OWSG MWD+IFR1+MS	
600.000	0.000	0.000	600.000	2.151	0.000	2.151	0.000	2.394	0.000	0.000	2.151	2.151	0.000	OWSG MWD+IFR1+MS	
700.000	0.000	0.000	700.000	2.509	0.000	2.509	0.000	2.428	0.000	0.000	2.509	2.509	0.000	OWSG MWD+IFR1+MS	
800.000	0.000	0.000	800.000	2.868	0.000	2.868	0.000	2.467	0.000	0.000	2.868	2.868	0.000	OWSG MWD+IFR1+MS	
900.000	0.000	0.000	900.000	3.226	0.000	3.226	0.000	2.511	0.000	0.000	3.226	3.226	0.000	OWSG MWD+IFR1+MS	
1000.000	0.000	0.000	1000.000	3.585	0.000	3.585	0.000	2.560	0.000	0.000	3.585	3.585	0.000		

														OWSG MWD+IFR1+MS
1100.000	0.000	0.000	1100.000	3.943	0.000	3.943	0.000	2.613	0.000	0.000	3.943	3.943	0.000	OWSG MWD+IFR1+MS
1200.000	0.000	0.000	1200.000	4.302	0.000	4.302	0.000	2.670	0.000	0.000	4.302	4.302	0.000	OWSG MWD+IFR1+MS
1300.000	0.000	0.000	1300.000	4.660	0.000	4.660	0.000	2.731	0.000	0.000	4.660	4.660	0.000	OWSG MWD+IFR1+MS
1400.000	0.000	0.000	1400.000	5.019	0.000	5.019	0.000	2.797	0.000	0.000	5.019	5.019	0.000	OWSG MWD+IFR1+MS
1500.000	0.000	0.000	1500.000	5.377	0.000	5.377	0.000	2.866	0.000	0.000	5.377	5.377	0.000	OWSG MWD+IFR1+MS
1600.000	2.000	307.032	1599.980	5.729	0.000	5.732	0.000	2.938	0.000	0.000	5.732	5.732	16.174	OWSG MWD+IFR1+MS
1700.000	4.000	307.032	1699.838	6.072	0.000	6.083	0.000	3.013	0.000	0.000	6.085	6.083	22.152	OWSG MWD+IFR1+MS
1800.000	6.000	307.032	1799.452	6.409	0.000	6.435	0.000	3.089	0.000	0.000	6.438	6.435	20.156	OWSG MWD+IFR1+MS
1900.000	8.000	307.032	1898.702	6.739	0.000	6.788	0.000	3.167	0.000	0.000	6.792	6.787	16.579	OWSG MWD+IFR1+MS
2000.000	10.000	307.032	1997.465	7.063	0.000	7.141	0.000	3.247	0.000	0.000	7.146	7.140	11.572	OWSG MWD+IFR1+MS
2100.000	12.000	307.032	2095.623	7.381	0.000	7.495	0.000	3.330	0.000	0.000	7.501	7.493	4.996	OWSG MWD+IFR1+MS
2157.616	13.152	307.032	2151.857	7.561	0.000	7.699	0.000	3.377	0.000	0.000	7.706	7.696	4.083	OWSG MWD+IFR1+MS
2200.000	13.152	307.032	2193.129	7.713	0.000	7.850	0.000	3.416	0.000	0.000	7.856	7.846	-0.681	OWSG MWD+IFR1+MS
2300.000	13.152	307.032	2290.506	8.074	0.000	8.208	0.000	3.519	0.000	0.000	8.212	8.199	-16.966	OWSG MWD+IFR1+MS
2400.000	13.152	307.032	2387.883	8.438	0.000	8.568	0.000	3.626	0.000	0.000	8.572	8.554	-24.761	OWSG MWD+IFR1+MS
2500.000	13.152	307.032	2485.260	8.804	0.000	8.930	0.000	3.738	0.000	0.000	8.934	8.910	-28.512	OWSG MWD+IFR1+MS
2600.000	13.152	307.032	2582.637	9.172	0.000	9.293	0.000	3.853	0.000	0.000	9.297	9.269	-30.507	OWSG MWD+IFR1+MS
2700.000	13.152	307.032	2680.014	9.543	0.000	9.658	0.000	3.973	0.000	0.000	9.663	9.629	-31.634	OWSG MWD+IFR1+MS
2800.000	13.152	307.032	2777.390	9.915	0.000	10.025	0.000	4.096	0.000	0.000	10.029	9.991	-32.277	OWSG MWD+IFR1+MS
2900.000	13.152	307.032	2874.767	10.289	0.000	10.392	0.000	4.222	0.000	0.000	10.397	10.355	-32.627	OWSG MWD+IFR1+MS
3000.000	13.152	307.032	2972.144	10.664	0.000	10.761	0.000	4.352	0.000	0.000	10.767	10.720	-32.783	OWSG MWD+IFR1+MS
3100.000	13.152	307.032	3069.521	11.040	0.000	11.131	0.000	4.485	0.000	0.000	11.137	11.086	-32.808	OWSG MWD+IFR1+MS
3200.000	13.152	307.032	3166.898	11.418	0.000	11.501	0.000	4.621	0.000	0.000	11.508	11.453	-32.736	OWSG MWD+IFR1+MS
3300.000	13.152	307.032	3264.275	11.796	0.000	11.873	0.000	4.761	0.000	0.000	11.880	11.822	-32.594	OWSG MWD+IFR1+MS
3400.000	13.152	307.032	3361.652	12.176	0.000	12.245	0.000	4.903	0.000	0.000	12.252	12.191	-32.396	OWSG MWD+IFR1+MS
3500.000	13.152	307.032	3459.028	12.556	0.000	12.617	0.000	5.048	0.000	0.000	12.625	12.561	-32.155	OWSG MWD+IFR1+MS
3600.000	13.152	307.032	3556.405	12.937	0.000	12.991	0.000	5.196	0.000	0.000	12.999	12.932	-31.879	OWSG MWD+IFR1+MS
3700.000	13.152	307.032	3653.782	13.319	0.000	13.365	0.000	5.346	0.000	0.000	13.374	13.304	-31.574	OWSG MWD+IFR1+MS
3800.000	13.152	307.032	3751.159	13.701	0.000	13.739	0.000	5.500	0.000	0.000	13.749	13.677	-31.245	OWSG MWD+IFR1+MS
3900.000	13.152	307.032	3848.536	14.084	0.000	14.114	0.000	5.656	0.000	0.000	14.124	14.050	-30.895	OWSG MWD+IFR1+MS
4000.000	13.152	307.032	3945.913	14.468	0.000	14.489	0.000	5.814	0.000	0.000	14.500	14.423	-30.526	OWSG MWD+IFR1+MS
4100.000	13.152	307.032	4043.290	14.852	0.000	14.865	0.000	5.975	0.000	0.000	14.877	14.797	-30.142	

														OWSG MWD+IFR1+MS
7200.000	0.000	0.000	7113.153	25.889	0.000	25.945	0.000	11.747	0.000	0.000	25.988	25.846	-33.364	OWSG MWD+IFR1+MS
7300.000	0.000	0.000	7213.153	26.236	0.000	26.292	0.000	11.967	0.000	0.000	26.336	26.192	-33.620	OWSG MWD+IFR1+MS
7400.000	0.000	0.000	7313.153	26.583	0.000	26.638	0.000	12.191	0.000	0.000	26.683	26.538	-33.862	OWSG MWD+IFR1+MS
7500.000	0.000	0.000	7413.153	26.930	0.000	26.985	0.000	12.418	0.000	0.000	27.031	26.884	-34.093	OWSG MWD+IFR1+MS
7600.000	0.000	0.000	7513.153	27.278	0.000	27.332	0.000	12.648	0.000	0.000	27.380	27.231	-34.312	OWSG MWD+IFR1+MS
7700.000	0.000	0.000	7613.153	27.626	0.000	27.680	0.000	12.880	0.000	0.000	27.728	27.577	-34.520	OWSG MWD+IFR1+MS
7800.000	0.000	0.000	7713.153	27.974	0.000	28.028	0.000	13.116	0.000	0.000	28.077	27.925	-34.719	OWSG MWD+IFR1+MS
7900.000	0.000	0.000	7813.153	28.323	0.000	28.376	0.000	13.355	0.000	0.000	28.426	28.272	-34.908	OWSG MWD+IFR1+MS
8000.000	0.000	0.000	7913.153	28.671	0.000	28.724	0.000	13.597	0.000	0.000	28.776	28.620	-35.089	OWSG MWD+IFR1+MS
8100.000	0.000	0.000	8013.153	29.020	0.000	29.073	0.000	13.842	0.000	0.000	29.125	28.968	-35.262	OWSG MWD+IFR1+MS
8200.000	0.000	0.000	8113.153	29.369	0.000	29.422	0.000	14.090	0.000	0.000	29.475	29.316	-35.428	OWSG MWD+IFR1+MS
8300.000	0.000	0.000	8213.153	29.719	0.000	29.771	0.000	14.341	0.000	0.000	29.825	29.664	-35.586	OWSG MWD+IFR1+MS
8400.000	0.000	0.000	8313.153	30.068	0.000	30.120	0.000	14.595	0.000	0.000	30.175	30.013	-35.738	OWSG MWD+IFR1+MS
8500.000	0.000	0.000	8413.153	30.418	0.000	30.469	0.000	14.852	0.000	0.000	30.525	30.362	-35.884	OWSG MWD+IFR1+MS
8600.000	0.000	0.000	8513.153	30.768	0.000	30.819	0.000	15.112	0.000	0.000	30.876	30.711	-36.024	OWSG MWD+IFR1+MS
8700.000	0.000	0.000	8613.153	31.118	0.000	31.169	0.000	15.375	0.000	0.000	31.227	31.060	-36.158	OWSG MWD+IFR1+MS
8800.000	0.000	0.000	8713.153	31.469	0.000	31.519	0.000	15.641	0.000	0.000	31.578	31.410	-36.288	OWSG MWD+IFR1+MS
8900.000	0.000	0.000	8813.153	31.819	0.000	31.869	0.000	15.911	0.000	0.000	31.929	31.759	-36.412	OWSG MWD+IFR1+MS
9000.000	0.000	0.000	8913.153	32.170	0.000	32.220	0.000	16.183	0.000	0.000	32.280	32.109	-36.532	OWSG MWD+IFR1+MS
9100.000	0.000	0.000	9013.153	32.521	0.000	32.570	0.000	16.458	0.000	0.000	32.631	32.460	-36.647	OWSG MWD+IFR1+MS
9200.000	0.000	0.000	9113.153	32.872	0.000	32.921	0.000	16.736	0.000	0.000	32.983	32.810	-36.758	OWSG MWD+IFR1+MS
9300.000	0.000	0.000	9213.153	33.223	0.000	33.272	0.000	17.018	0.000	0.000	33.335	33.160	-36.866	OWSG MWD+IFR1+MS
9400.000	0.000	0.000	9313.153	33.574	0.000	33.623	0.000	17.302	0.000	0.000	33.686	33.511	-36.969	OWSG MWD+IFR1+MS
9500.000	0.000	0.000	9413.153	33.926	0.000	33.974	0.000	17.589	0.000	0.000	34.038	33.862	-37.069	OWSG MWD+IFR1+MS
9600.000	0.000	0.000	9513.153	34.278	0.000	34.326	0.000	17.880	0.000	0.000	34.391	34.213	-37.166	OWSG MWD+IFR1+MS
9636.847	0.000	0.000	9550.000	34.407	0.000	34.455	0.000	17.988	0.000	0.000	34.520	34.342	-37.201	OWSG MWD+IFR1+MS
9700.000	6.315	180.000	9613.025	34.303	-0.000	34.665	0.000	18.171	0.000	0.000	34.731	34.550	-37.167	OWSG MWD+IFR1+MS
9800.000	16.315	180.000	9710.957	33.499	-0.000	34.970	0.000	18.450	0.000	0.000	35.038	34.844	-36.280	OWSG MWD+IFR1+MS
9900.000	26.315	180.000	9803.998	31.988	-0.000	35.254	0.000	18.708	0.000	0.000	35.322	35.105	-33.950	OWSG MWD+IFR1+MS
10000.000	36.315	180.000	9889.322	29.879	-0.000	35.512	0.000	18.941	0.000	0.000	35.575	35.324	-30.270	OWSG MWD+IFR1+MS
10100.000	46.315	180.000	9964.335	27.352	-0.000	35.737	0.000	19.151	0.000	0.000	35.793	35.496	-25.906	OWSG MWD+IFR1+MS
10200.000	56.315	180.000	10026.759	24.669	-0.000	35.926	0.000	19.342	0.000	0.000	35.973	35.622	-21.452	

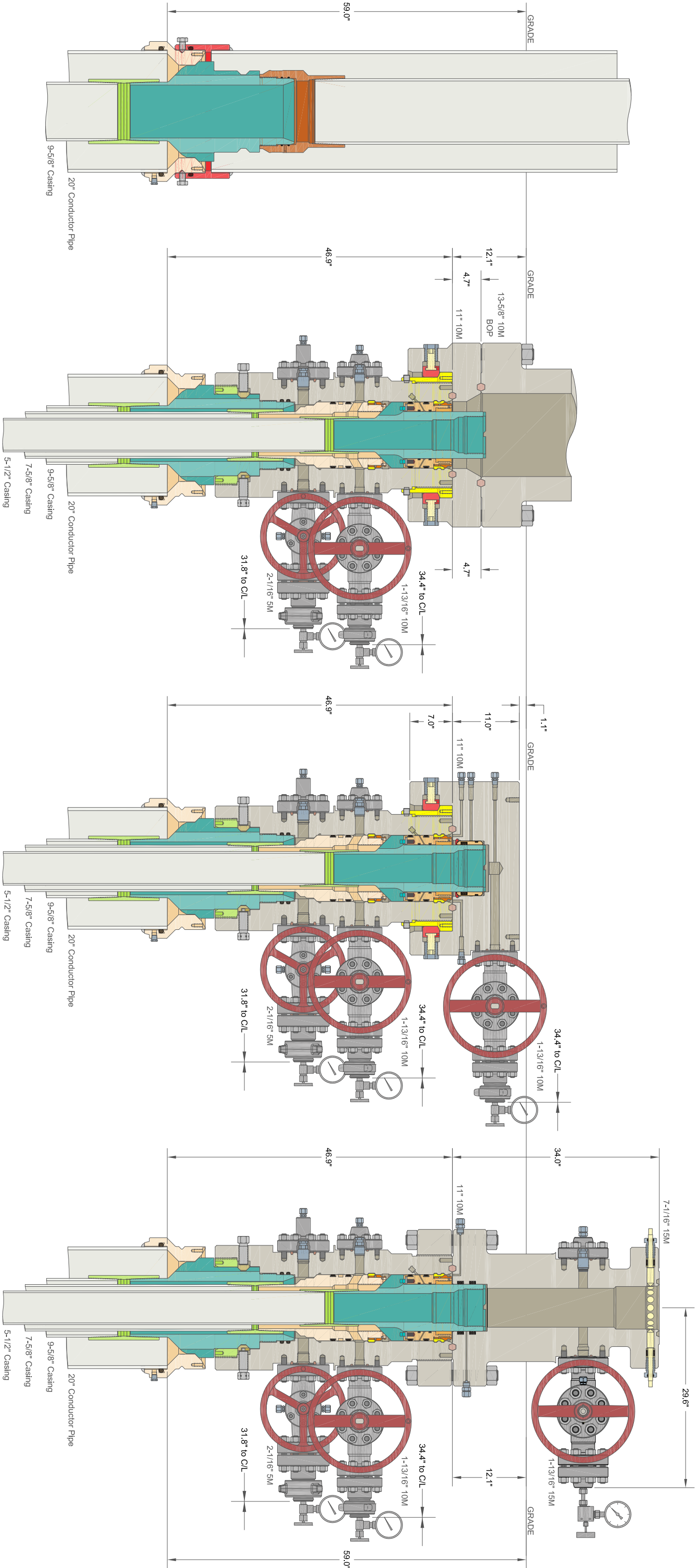
															OWSG MWD+IFR1+MS
10300.000	66.315	180.000	10074.697	22.203	-0.000	36.076	0.000	19.524	0.000	0.000	36.112	35.705	-17.225	OWSG MWD+IFR1+MS	
10400.000	76.315	180.000	10106.693	20.432	-0.000	36.185	0.000	19.704	0.000	0.000	36.209	35.752	-13.300	OWSG MWD+IFR1+MS	
10500.000	86.315	180.000	10121.773	19.829	-0.000	36.251	0.000	19.889	0.000	0.000	36.265	35.777	-9.577	OWSG MWD+IFR1+MS	
10536.847	90.000	180.000	10122.958	19.958	0.000	36.264	0.000	19.958	0.000	0.000	36.274	35.783	-8.223	OWSG MWD+IFR1+MS	
10600.000	90.000	180.000	10122.958	20.085	0.000	36.284	0.000	20.085	0.000	0.000	36.289	35.791	-5.816	OWSG MWD+IFR1+MS	
10700.000	90.000	179.989	10122.958	20.310	0.000	36.326	-0.000	20.310	0.000	0.000	36.327	35.800	-2.146	OWSG MWD+IFR1+MS	
10800.000	90.000	179.983	10122.958	20.561	0.000	36.380	-0.000	20.561	0.000	0.000	36.381	35.807	1.073	OWSG MWD+IFR1+MS	
10900.000	90.000	179.976	10122.958	20.839	0.000	36.447	-0.000	20.839	0.000	0.000	36.449	35.811	3.701	OWSG MWD+IFR1+MS	
11000.000	90.000	179.970	10122.958	21.143	0.000	36.525	-0.000	21.143	0.000	0.000	36.532	35.814	5.737	OWSG MWD+IFR1+MS	
11100.000	90.000	179.963	10122.958	21.471	0.000	36.616	-0.000	21.471	0.000	0.000	36.629	35.818	7.254	OWSG MWD+IFR1+MS	
11200.000	90.000	179.957	10122.958	21.822	0.000	36.718	-0.000	21.822	0.000	0.000	36.737	35.821	8.350	OWSG MWD+IFR1+MS	
11300.000	90.000	179.950	10122.958	22.196	0.000	36.832	-0.000	22.196	0.000	0.000	36.858	35.825	9.117	OWSG MWD+IFR1+MS	
11400.000	90.000	179.944	10122.958	22.591	0.000	36.958	-0.000	22.591	0.000	0.000	36.990	35.830	9.633	OWSG MWD+IFR1+MS	
11500.000	90.000	179.937	10122.958	23.005	0.000	37.095	-0.000	23.005	0.000	0.000	37.134	35.837	9.960	OWSG MWD+IFR1+MS	
11600.000	90.000	179.931	10122.958	23.439	0.000	37.244	-0.000	23.439	0.000	0.000	37.289	35.844	10.145	OWSG MWD+IFR1+MS	
11700.000	90.000	179.924	10122.958	23.890	0.000	37.404	-0.000	23.890	0.000	0.000	37.454	35.853	10.224	OWSG MWD+IFR1+MS	
11800.000	90.000	179.918	10122.959	24.359	0.000	37.575	-0.000	24.359	0.000	0.000	37.631	35.864	10.225	OWSG MWD+IFR1+MS	
11900.000	90.000	179.911	10122.959	24.843	0.000	37.758	-0.000	24.843	0.000	0.000	37.818	35.876	10.168	OWSG MWD+IFR1+MS	
12000.000	90.000	179.905	10122.959	25.343	0.000	37.951	-0.000	25.343	0.000	0.000	38.015	35.889	10.068	OWSG MWD+IFR1+MS	
12100.000	90.000	179.898	10122.959	25.856	0.000	38.154	-0.000	25.856	0.000	0.000	38.223	35.903	9.938	OWSG MWD+IFR1+MS	
12200.000	90.000	179.892	10122.959	26.383	0.000	38.369	-0.000	26.383	0.000	0.000	38.441	35.919	9.785	OWSG MWD+IFR1+MS	
12300.000	90.000	179.885	10122.959	26.923	0.000	38.593	-0.000	26.923	0.000	0.000	38.669	35.936	9.617	OWSG MWD+IFR1+MS	
12400.000	90.000	179.879	10122.959	27.474	0.000	38.828	-0.000	27.474	0.000	0.000	38.906	35.954	9.439	OWSG MWD+IFR1+MS	
12500.000	90.000	179.872	10122.960	28.037	0.000	39.073	-0.000	28.037	0.000	0.000	39.154	35.974	9.255	OWSG MWD+IFR1+MS	
12600.000	90.000	179.866	10122.960	28.610	0.000	39.327	-0.000	28.610	0.000	0.000	39.411	35.995	9.068	OWSG MWD+IFR1+MS	
12700.000	90.000	179.859	10122.960	29.192	0.000	39.591	-0.000	29.192	0.000	0.000	39.677	36.017	8.879	OWSG MWD+IFR1+MS	
12800.000	90.000	179.853	10122.960	29.784	0.000	39.864	-0.000	29.784	0.000	0.000	39.952	36.040	8.691	OWSG MWD+IFR1+MS	
12900.000	90.000	179.846	10122.960	30.385	0.000	40.147	-0.000	30.385	0.000	0.000	40.237	36.065	8.505	OWSG MWD+IFR1+MS	
13000.000	90.000	179.840	10122.960	30.994	0.000	40.439	-0.000	30.994	0.000	0.000	40.530	36.090	8.321	OWSG MWD+IFR1+MS	
13100.000	90.000	179.833	10122.961	31.611	0.000	40.739	-0.000	31.611	0.000	0.000	40.832	36.117	8.141	OWSG MWD+IFR1+MS	
13200.000	90.000	179.827	10122.961	32.235	0.000	41.048	-0.000	32.235	0.000	0.000	41.142	36.145	7.965	OWSG MWD+IFR1+MS	
13300.000	90.000	179.820	10122.961	32.866	0.000	41.366	-0.000	32.866	0.000	0.000	41.461	36.174	7.794		

															OWSG MWD+IFR1+MS
13400.000	90.000	179.814	10122.961	33.504	0.000	41.692	-0.000	33.504	0.000	0.000	41.788	36.204	7.626	OWSG MWD+IFR1+MS	
13500.000	90.000	179.807	10122.962	34.147	0.000	42.025	-0.000	34.147	0.000	0.000	42.123	36.235	7.464	OWSG MWD+IFR1+MS	
13600.000	90.000	179.801	10122.962	34.797	0.000	42.367	-0.000	34.797	0.000	0.000	42.465	36.267	7.306	OWSG MWD+IFR1+MS	
13700.000	90.000	179.794	10122.962	35.452	0.000	42.716	-0.000	35.452	0.000	0.000	42.815	36.300	7.152	OWSG MWD+IFR1+MS	
13800.000	90.000	179.788	10122.963	36.112	0.000	43.073	-0.000	36.112	0.000	0.000	43.173	36.335	7.004	OWSG MWD+IFR1+MS	
13900.000	90.000	179.781	10122.963	36.777	0.000	43.437	-0.000	36.777	0.000	0.000	43.537	36.370	6.859	OWSG MWD+IFR1+MS	
14000.000	90.000	179.775	10122.963	37.446	0.000	43.809	-0.000	37.446	0.000	0.000	43.909	36.406	6.719	OWSG MWD+IFR1+MS	
14100.000	90.000	179.768	10122.963	38.120	0.000	44.187	-0.000	38.120	0.000	0.000	44.288	36.444	6.584	OWSG MWD+IFR1+MS	
14200.000	90.000	179.762	10122.964	38.799	0.000	44.572	-0.000	38.799	0.000	0.000	44.673	36.482	6.453	OWSG MWD+IFR1+MS	
14300.000	90.000	179.755	10122.964	39.481	0.000	44.963	-0.000	39.481	0.000	0.000	45.065	36.522	6.326	OWSG MWD+IFR1+MS	
14400.000	90.000	179.749	10122.964	40.167	0.000	45.361	-0.000	40.167	0.000	0.000	45.463	36.562	6.202	OWSG MWD+IFR1+MS	
14500.000	90.000	179.742	10122.965	40.856	0.000	45.766	-0.000	40.856	0.000	0.000	45.867	36.603	6.083	OWSG MWD+IFR1+MS	
14600.000	90.000	179.736	10122.965	41.549	0.000	46.176	-0.000	41.549	0.000	0.000	46.278	36.646	5.967	OWSG MWD+IFR1+MS	
14700.000	90.000	179.729	10122.966	42.245	0.000	46.592	-0.000	42.245	0.000	0.000	46.694	36.689	5.855	OWSG MWD+IFR1+MS	
14800.000	90.000	179.723	10122.966	42.944	0.000	47.014	-0.000	42.944	0.000	0.000	47.116	36.734	5.746	OWSG MWD+IFR1+MS	
14900.000	90.000	179.716	10122.966	43.646	0.000	47.442	-0.000	43.646	0.000	0.000	47.543	36.779	5.641	OWSG MWD+IFR1+MS	
15000.000	90.000	179.710	10122.967	44.351	0.000	47.875	-0.000	44.351	0.000	0.000	47.976	36.825	5.538	OWSG MWD+IFR1+MS	
15100.000	90.000	179.703	10122.967	45.058	0.000	48.313	-0.000	45.058	0.000	0.000	48.415	36.873	5.439	OWSG MWD+IFR1+MS	
15200.000	90.000	179.697	10122.967	45.768	0.000	48.757	-0.000	45.768	0.000	0.000	48.858	36.921	5.343	OWSG MWD+IFR1+MS	
15300.000	90.000	179.690	10122.968	46.480	0.000	49.205	-0.000	46.481	0.000	0.000	49.307	36.970	5.249	OWSG MWD+IFR1+MS	
15400.000	90.000	179.684	10122.968	47.195	0.000	49.659	-0.000	47.195	0.000	0.000	49.760	37.020	5.158	OWSG MWD+IFR1+MS	
15500.000	90.000	179.677	10122.969	47.912	0.000	50.117	-0.000	47.912	0.000	0.000	50.218	37.071	5.070	OWSG MWD+IFR1+MS	
15600.000	90.000	179.671	10122.969	48.631	0.000	50.580	-0.000	48.631	0.000	0.000	50.681	37.124	4.984	OWSG MWD+IFR1+MS	
15700.000	90.000	179.664	10122.970	49.352	0.000	51.047	-0.000	49.352	0.000	0.000	51.148	37.176	4.901	OWSG MWD+IFR1+MS	
15800.000	90.000	179.658	10122.970	50.075	0.000	51.519	-0.000	50.075	0.000	0.000	51.619	37.230	4.820	OWSG MWD+IFR1+MS	
15900.000	90.000	179.651	10122.971	50.799	0.000	51.995	-0.000	50.800	0.000	0.000	52.095	37.285	4.741	OWSG MWD+IFR1+MS	
16000.000	90.000	179.645	10122.971	51.526	0.000	52.475	-0.000	51.526	0.000	0.000	52.575	37.341	4.664	OWSG MWD+IFR1+MS	
16100.000	90.000	179.638	10122.972	52.254	0.000	52.959	-0.000	52.254	0.000	0.000	53.059	37.397	4.589	OWSG MWD+IFR1+MS	
16200.000	90.000	179.632	10122.972	52.984	0.000	53.447	-0.000	52.984	0.000	0.000	53.547	37.455	4.517	OWSG MWD+IFR1+MS	
16300.000	90.000	179.625	10122.973	53.715	0.000	53.939	-0.000	53.715	0.000	0.000	54.038	37.513	4.446	OWSG MWD+IFR1+MS	
16400.000	90.000	179.619	10122.973	54.448	0.000	54.435	-0.000	54.448	0.000	0.000	54.534	37.573	4.377	OWSG MWD+IFR1+MS	
16500.000	90.000	179.612	10122.974	55.182	0.000	54.934	-0.000	55.182	0.000	0.000	55.033	37.633	4.310		

															OWSG MWD+IFR1+MS
16600.000	90.000	179.606	10122.974	55.918	0.000	55.437	-0.000	55.918	0.000	0.000	55.535	37.694	4.244	OWSG MWD+IFR1+MS	
16700.000	90.000	179.599	10122.975	56.655	0.000	55.944	-0.000	56.655	0.000	0.000	56.041	37.756	4.180	OWSG MWD+IFR1+MS	
16800.000	90.000	179.593	10122.975	57.393	0.000	56.453	-0.000	57.393	0.000	0.000	56.550	37.819	4.118	OWSG MWD+IFR1+MS	
16900.000	90.000	179.586	10122.976	58.132	0.000	56.966	-0.000	58.132	0.000	0.000	57.063	37.882	4.057	OWSG MWD+IFR1+MS	
17000.000	90.000	179.580	10122.976	58.873	0.000	57.482	-0.000	58.873	0.000	0.000	57.579	37.947	3.998	OWSG MWD+IFR1+MS	
17100.000	90.000	179.573	10122.977	59.615	0.000	58.001	-0.000	59.615	0.000	0.000	58.097	38.012	3.940	OWSG MWD+IFR1+MS	
17200.000	90.000	179.567	10122.978	60.358	0.000	58.523	-0.000	60.358	0.000	0.000	58.619	38.079	3.883	OWSG MWD+IFR1+MS	
17300.000	90.000	179.560	10122.978	61.101	0.000	59.048	-0.000	61.102	0.000	0.000	59.144	38.146	3.828	OWSG MWD+IFR1+MS	
17400.000	90.000	179.554	10122.979	61.846	0.000	59.576	-0.000	61.846	0.000	0.000	59.671	38.214	3.774	OWSG MWD+IFR1+MS	
17500.000	90.000	179.547	10122.979	62.592	0.000	60.106	-0.000	62.592	0.000	0.000	60.201	38.283	3.721	OWSG MWD+IFR1+MS	
17600.000	90.000	179.541	10122.980	63.339	0.000	60.639	-0.000	63.339	0.000	0.000	60.734	38.352	3.669	OWSG MWD+IFR1+MS	
17700.000	90.000	179.534	10122.981	64.087	0.000	61.175	-0.000	64.087	0.000	0.000	61.270	38.423	3.619	OWSG MWD+IFR1+MS	
17800.000	90.000	179.528	10122.981	64.835	0.000	61.714	-0.000	64.835	0.000	0.000	61.808	38.494	3.569	OWSG MWD+IFR1+MS	
17900.000	90.000	179.521	10122.982	65.585	0.000	62.255	-0.000	65.585	0.000	0.000	62.348	38.566	3.521	OWSG MWD+IFR1+MS	
18000.000	90.000	179.515	10122.983	66.335	0.000	62.798	-0.000	66.335	0.000	0.000	62.891	38.639	3.473	OWSG MWD+IFR1+MS	
18100.000	90.000	179.508	10122.983	67.086	0.000	63.343	-0.000	67.086	0.000	0.000	63.436	38.713	3.427	OWSG MWD+IFR1+MS	
18200.000	90.000	179.502	10122.984	67.838	0.000	63.891	-0.000	67.838	0.000	0.000	63.984	38.787	3.382	OWSG MWD+IFR1+MS	
18300.000	90.000	179.495	10122.985	68.590	0.000	64.442	-0.000	68.590	0.000	0.000	64.534	38.862	3.337	OWSG MWD+IFR1+MS	
18400.000	90.000	179.489	10122.985	69.344	0.000	64.994	-0.000	69.344	0.000	0.000	65.086	38.939	3.294	OWSG MWD+IFR1+MS	
18500.000	90.000	179.482	10122.986	70.098	0.000	65.548	-0.000	70.098	0.000	0.000	65.640	39.016	3.251	OWSG MWD+IFR1+MS	
18600.000	90.000	179.476	10122.987	70.852	0.000	66.105	-0.000	70.852	0.000	0.000	66.196	39.093	3.209	OWSG MWD+IFR1+MS	
18700.000	90.000	179.469	10122.987	71.607	0.000	66.663	-0.000	71.607	0.000	0.000	66.755	39.172	3.168	OWSG MWD+IFR1+MS	
18800.000	90.000	179.463	10122.988	72.363	0.000	67.224	-0.000	72.363	0.000	0.000	67.315	39.251	3.128	OWSG MWD+IFR1+MS	
18900.000	90.000	179.456	10122.989	73.120	0.000	67.786	-0.000	73.120	0.000	0.000	67.877	39.331	3.089	OWSG MWD+IFR1+MS	
19000.000	90.000	179.450	10122.990	73.877	0.000	68.351	-0.000	73.877	0.000	0.000	68.441	39.412	3.050	OWSG MWD+IFR1+MS	
19100.000	90.000	179.443	10122.990	74.635	0.000	68.917	-0.000	74.635	0.000	0.000	69.007	39.493	3.012	OWSG MWD+IFR1+MS	
19200.000	90.000	179.437	10122.991	75.393	0.000	69.485	-0.000	75.393	0.000	0.000	69.575	39.576	2.975	OWSG MWD+IFR1+MS	
19300.000	90.000	179.430	10122.992	76.152	0.000	70.055	-0.000	76.152	0.000	0.000	70.144	39.659	2.938	OWSG MWD+IFR1+MS	
19400.000	90.000	179.424	10122.993	76.911	0.000	70.626	-0.000	76.911	0.000	0.000	70.715	39.742	2.902	OWSG MWD+IFR1+MS	
19500.000	90.000	179.417	10122.994	77.671	0.000	71.199	-0.000	77.671	0.000	0.000	71.288	39.827	2.867	OWSG MWD+IFR1+MS	
19600.000	90.000	179.410	10122.994	78.431	0.000	71.774	-0.000	78.431	0.000	0.000	71.862	39.912	2.832	OWSG MWD+IFR1+MS	
19700.000	90.000	179.404	10122.995	79.192	0.000	72.350	-0.000	79.192	0.000	0.000	72.438	39.998	2.798		

															OWSG MWD+IFR1+MS
19800.000	90.000	179.397	10122.996	79.953	0.000	72.928	-0.000	79.953	0.000	0.000	73.016	40.085	2.765	OWSG MWD+IFR1+MS	
19900.000	90.000	179.391	10122.997	80.715	0.000	73.507	-0.000	80.715	0.000	0.000	73.595	40.172	2.732	OWSG MWD+IFR1+MS	
20000.000	90.000	179.384	10122.998	81.477	0.000	74.087	-0.000	81.477	0.000	0.000	74.175	40.260	2.700	OWSG MWD+IFR1+MS	
20100.000	90.000	179.378	10122.999	82.239	0.000	74.670	-0.000	82.239	0.000	0.000	74.757	40.349	2.668	OWSG MWD+IFR1+MS	
20200.000	90.000	179.371	10122.999	83.002	0.000	75.253	-0.000	83.002	0.000	0.000	75.340	40.439	2.637	OWSG MWD+IFR1+MS	
20273.437	90.000	179.367	10123.000	83.563	0.000	75.682	-0.000	83.563	0.000	0.000	75.769	40.505	2.614	OWSG MWD+IFR1+MS	

Plan Targets		PLU 16 TWR 106H			
Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
PLU 16 TWR FTP 2	10297.88	440202.36	670015.11	6580.00	CIRCLE
PLU 16 TWR BHL 2	20273.44	430166.02	670068.92	6580.00	CIRCLE



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CACTUS WELLHEAD LLC			ALL DIMENSIONS APPROXIMATE		
			XTO ENERGY INC		
			ICARUS PAD		
20" x 9-5/8" x 7-5/8" x 5-1/2" MBU-T-CFL-R-DBLO Wellhead			DRAWN	DLE	18JAN21
With 1 1" 10M x 7-1/16" 15M CTH-DBLHPS Tubing Head			APPRV		
And 9-5/8", 7-5/8" & 5-1/2" Pin Bottom Mandrel Casing Hangers			DRAWING NO.	HBE0000479	

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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 412855

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 412855
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
dmccclure	If cement is not circulated to surface during cementing operations, a Cement Bond Log (CBL) is required.	5/15/2025
dmccclure	Correct all past production from the well to the new pool.	5/15/2025