

Well Name: POKER LAKE UNIT 16 TWR	Well Location: T24S / R31E / SEC 21 / NWNE / 32.208758 / -103.782112	County or Parish/State: EDDY / NM
Well Number: 156H	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMNM0506A	Unit or CA Name: DONOTUSE, POKER LAKE UNIT	Unit or CA Number: NMNM071016Z, NMNM71016X
US Well Number: 3001549450	Operator: XTO PERMIAN OPERATING LLC	

Notice of Intent

Sundry ID: 2668436

Type of Submission: Notice of Intent

Type of Action: Other

Date Sundry Submitted: 04/25/2022

Time Sundry Submitted: 11:11

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 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 & 1650'FEL to 50'FSL & 2640'FEL, 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_156H_Attachments_20220425111126.pdf

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Conditions of Approval

Additional

Sec_21_24S_34E_NMP_2668436_PLU_16_TWR_156H_Eddy_NMNM0506A__XTO_COAs_20220607143651.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 11:11 AM
Name: XTO PERMIAN OPERATING LLC	
Title: Regulatory Coordinator	
Street Address: 500 W. Illinois St, Ste 100	
City: Midland	State: 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: 02/08/2023
Signature: Chris Walls	

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.	
6. If Indian, Allottee or Tribe Name	
7. If Unit of CA/Agreement, Name and/or No.	
8. Well Name and No.	
9. API Well No.	
10. Field and Pool or Exploratory Area	
11. Country or Parish, State	

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well		
☐ Oil Well	☐ Gas Well	☐ Other
2. Name of Operator		
3a. Address	3b. Phone No. (include area code)	
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off	
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity	
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other	
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon		
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or 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

Attachments:

C102

Drilling Program

Directional Plan

Multibowl Diagram

Location of Well

0. SHL: NWNE / 485 FNL / 2437 FEL / TWSP: 24S / RANGE: 31E / SECTION: 21 / LAT: 32.208758 / LONG: -103.782112 (TVD: 0 feet, MD: 0 feet)

PPP: SWSE / 990 FSL / 1650 FEL / TWSP: 24S / RANGE: 31E / SECTION: 21 / LAT: 32.19834 / LONG: -103.779567 (TVD: 12636 feet, MD: 16979 feet)

PPP: NWSE / 2310 FSL / 1650 FEL / TWSP: 24S / RANGE: 31E / SECTION: 21 / LAT: 32.20195 / LONG: -103.779567 (TVD: 12636 feet, MD: 15695 feet)

PPP: NWNE / 485 FNL / 1650 FEL / TWSP: 24S / RANGE: 31E / SECTION: 21 / LAT: 32.209184 / LONG: -103.779567 (TVD: 12636 feet, MD: 13019 feet)

PPP: NWNE / 330 FNL / 1650 FEL / TWSP: 24S / RANGE: 31E / SECTION: 28 / LAT: 32.19472 / LONG: -103.779567 (TVD: 12636 feet, MD: 18299 feet)

BHL: SWSE / 200 FSL / 1650 FEL / TWSP: 24S / RANGE: 31E / SECTION: 28 / LAT: 32.181606 / LONG: -103.779516 (TVD: 12636 feet, MD: 23052 feet)

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO Permian Operating, LLC
WELL NAME & NO.:	Poker Lake Unit 16 TWR 156H
LOCATION:	Sec 21-24S-31E-NMP
COUNTY:	Eddy County, New Mexico

Updated COAs per **Sundry 2668436**. 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 30-015-49450	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 156H
⁷ OGRID No. 373075	⁸ Operator Name XTO PERMIAN OPERATING, LLC.	⁹ Elevation 3,510'

¹⁰ Surface Location

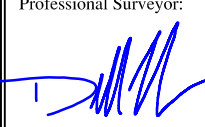
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	21	24 S	31 E		485	NORTH	2,437	EAST	EDDY

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
O	28	24 S	31 E		50	SOUTH	2,640	EAST	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.

¹⁶	SHL (NAD83 NME) Y = 440,117.3 X = 711,822.5 LAT. = 32.208758 °N LONG. = 103.782112 °W FTP (NAD83 NME) Y = 440,270.8 X = 711,618.8 LAT. = 32.209183 °N LONG. = 103.782768 °W LTP (NAD83 NME) Y = 430,138.2 X = 711,686.9 LAT. = 32.181329 °N LONG. = 103.782715 °W BHL (NAD83 NME) Y = 430,088.2 X = 711,687.3 LAT. = 32.181192 °N LONG. = 103.782715 °W CORNER COORDINATES (NAD83 NME) A - Y = 440,608.3 N , X = 712,938.3 E B - Y = 440,593.6 N , X = 710,299.6 E C - Y = 437,968.6 N , X = 712,953.3 E D - Y = 437,954.7 N , X = 710,316.0 E E - Y = 435,328.1 N , X = 712,971.9 E F - Y = 435,312.5 N , X = 710,332.2 E G - Y = 432,686.9 N , X = 712,989.1 E H - Y = 432,671.3 N , X = 710,349.1 E I - Y = 430,046.0 N , X = 713,007.1 E J - Y = 430,030.3 N , X = 710,366.1 E SHL (NAD27 NME) Y = 440,058.4 X = 670,638.5 LAT. = 32.208634 °N LONG. = 103.781628 °W FTP (NAD27 NME) Y = 440,212.0 X = 670,434.8 LAT. = 32.209059 °N LONG. = 103.782284 °W LTP (NAD27 NME) Y = 430,079.6 X = 670,502.6 LAT. = 32.181205 °N LONG. = 103.782233 °W BHL (NAD27 NME) Y = 430,029.6 X = 670,502.9 LAT. = 32.181068 °N LONG. = 103.782232 °W CORNER COORDINATES (NAD27 NME) A - Y = 440,549.4 N , X = 671,754.3 E B - Y = 440,534.7 N , X = 669,115.6 E C - Y = 437,909.8 N , X = 671,769.2 E D - Y = 437,895.9 N , X = 669,132.0 E E - Y = 435,269.4 N , X = 671,787.7 E F - Y = 435,253.7 N , X = 669,148.1 E G - Y = 432,628.2 N , X = 671,804.8 E H - Y = 432,612.7 N , X = 669,164.9 E I - Y = 429,987.4 N , X = 671,822.7 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 2018010231
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DRILLING PLAN: BLM COMPLIANCE (Supplement to BLM 3160-3)

XTO Energy Inc.
PLU 16 Twin Wells Ranch 156H
Projected TD: 20965' MD / 10867' TVD
SHL: 485' FNL & 2437' FEL , Section 21, T24S, R31E
BHL: 50' FSL & 2640' FEL , 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
3rd Bone Spring Sh	10702'	Water/Oil/Gas
Target/Land Curve	10878'	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 9770' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 20965 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 9470 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	1.42	7.27	20.17
8.75	0' – 4000'	3990'	7.625	29.7	RY P-110	Flush Joint	New	2.80	2.65	1.92
8.75	4000' – 9770'	9765'	7.625	29.7	HC L-80	Flush Joint	New	2.04	2.05	2.37
6.75	0' – 9670'	9665'	5.5	20	RY P-110	Semi-Premium	New	1.05	2.16	2.19
6.75	9670' - 20965'	10867'	5.5	20	RY P-110	Semi-Flush	New	1.05	1.93	2.19

· 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 +/- 9770

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: 300 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 +/- 20965

Lead: 30 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft³/sx, 15.00 gal/sx water) Top of Cement: 9470 feet

Tail: 760 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft³/sx, 8.38 gal/sx water) Top of Cement: 10328 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 3373 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' - 9770'	8.75		FW / Cut Brine / Direct Emulsion	9.7-10.2	30-32	NC
9770' - 20965'	6.75		OBM	10.2-10.7	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 a thru-bit log inclusive of Quad Combo and Quanta Geo Imager (FMI).

9. Abnormal Pressures and Temperatures / Potential Hazards

None Anticipated. BHT of 175 to 195 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 5764 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 156H

Measured Depth:	20975.88 ft	Site:	PLU 16 TWR B/C
TVD RKB:	10878.00 ft	Slot:	6
Location			
Cartographic Reference System:	New Mexico East - NAD 27		
Northing:	440051.29 ft		
Easting:	670656.39 ft		
RKB:	3543.00 ft		
Ground Level:	3513.00 ft		
North Reference:	Grid		
Convergence Angle:	0.29 Deg		

Plan Sections		PLU 16 TWR 156H							
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	
3000.00	0.00	0.00	3000.00	0.01	-0.00	0.00	0.00	0.00	
3484.17	9.68	355.45	3481.87	40.69	-3.24	2.00	0.00	2.00	
5549.87	9.68	355.45	5518.13	387.06	-30.78	0.00	0.00	0.00	
6034.03	0.00	0.00	6000.00	427.75	-34.01	-2.00	0.00	2.00	
10339.03	0.00	0.00	10305.00	427.75	-34.01	0.00	0.00	0.00	
11239.03	90.00	180.00	10877.96	-145.21	-34.02	10.00	0.00	10.00	
20975.88	90.00	179.33	10878.00	-9881.83	23.07	-0.00	-0.01	0.01	PLU 16 TWR BHL 8

Position Uncertainty			PLU 16 TWR 156H											
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)	(°)	
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	0.000	0.000	1600.000	5.736	0.000	5.736	0.000	2.939	0.000	0.000	5.736	5.736	0.000	OWSG MWD+IFR1+MS
1700.000	0.000	0.000	1700.000	6.094	0.000	6.094	0.000	3.016	0.000	0.000	6.094	6.094	0.000	OWSG MWD+IFR1+MS
1800.000	0.000	0.000	1800.000	6.452	0.000	6.452	0.000	3.096	0.000	0.000	6.452	6.452	0.000	OWSG MWD+IFR1+MS
1900.000	0.000	0.000	1900.000	6.811	0.000	6.811	0.000	3.179	0.000	0.000	6.811	6.811	0.000	OWSG MWD+IFR1+MS
2000.000	0.000	0.000	2000.000	7.169	0.000	7.169	0.000	3.266	0.000	0.000	7.169	7.169	0.000	OWSG MWD+IFR1+MS
2100.000	0.000	0.000	2100.000	7.528	0.000	7.528	0.000	3.355	0.000	0.000	7.528	7.528	0.000	OWSG MWD+IFR1+MS
2200.000	0.000	0.000	2200.000	7.886	0.000	7.886	0.000	3.448	0.000	0.000	7.886	7.886	0.000	OWSG MWD+IFR1+MS
2300.000	0.000	0.000	2300.000	8.245	0.000	8.245	0.000	3.544	0.000	0.000	8.245	8.245	0.000	OWSG MWD+IFR1+MS
2400.000	0.000	0.000	2400.000	8.603	0.000	8.603	0.000	3.643	0.000	0.000	8.603	8.603	0.000	OWSG MWD+IFR1+MS
2500.000	0.000	0.000	2500.000	8.962	0.000	8.962	0.000	3.745	0.000	0.000	8.962	8.962	0.000	OWSG MWD+IFR1+MS
2600.000	0.000	0.000	2600.000	9.320	0.000	9.320	0.000	3.849	0.000	0.000	9.320	9.320	0.000	OWSG MWD+IFR1+MS
2700.000	0.000	0.000	2700.000	9.679	0.000	9.679	0.000	3.956	0.000	0.000	9.679	9.679	0.000	OWSG MWD+IFR1+MS
2800.000	0.000	0.000	2800.000	10.037	0.000	10.037	0.000	4.066	0.000	0.000	10.037	10.037	0.000	OWSG MWD+IFR1+MS
2900.000	0.000	0.000	2900.000	10.396	0.000	10.396	0.000	4.179	0.000	0.000	10.396	10.396	0.000	OWSG MWD+IFR1+MS
3000.000	0.000	0.000	3000.000	10.754	0.000	10.754	0.000	4.295	0.000	0.000	10.754	10.754	0.000	OWSG MWD+IFR1+MS
3100.000	2.000	355.453	3099.980	11.107	0.000	11.113	0.000	4.413	0.000	0.000	11.113	11.113	0.985	OWSG MWD+IFR1+MS
3200.000	4.000	355.453	3199.838	11.447	0.000	11.471	0.000	4.532	0.000	0.000	11.471	11.471	3.223	OWSG MWD+IFR1+MS
3300.000	6.000	355.453	3299.452	11.775	0.000	11.830	0.000	4.652	0.000	0.000	11.830	11.828	1.045	OWSG MWD+IFR1+MS
3400.000	8.000	355.453	3398.702	12.089	0.000	12.188	0.000	4.774	0.000	0.000	12.188	12.184	-0.418	OWSG MWD+IFR1+MS
3484.168	9.683	355.453	3481.867	12.343	0.000	12.489	0.000	4.877	0.000	0.000	12.489	12.483	-1.064	OWSG MWD+IFR1+MS
3500.000	9.683	355.453	3497.473	12.399	0.000	12.546	0.000	4.895	0.000	0.000	12.546	12.540	-0.808	OWSG MWD+IFR1+MS
3600.000	9.683	355.453	3596.049	12.756	0.000	12.904	0.000	5.027	0.000	0.000	12.904	12.892	-1.999	OWSG MWD+IFR1+MS
3700.000	9.683	355.453	3694.624	13.114	0.000	13.263	0.000	5.162	0.000	0.000	13.263	13.246	-2.359	OWSG MWD+IFR1+MS
3800.000	9.683	355.453	3793.199	13.474	0.000	13.623	0.000	5.300	0.000	0.000	13.623	13.600	-2.523	OWSG MWD+IFR1+MS
3900.000	9.683	355.453	3891.774	13.834	0.000	13.984	0.000	5.441	0.000	0.000	13.984	13.956	-2.610	OWSG MWD+IFR1+MS
4000.000	9.683	355.453	3990.350	14.195	0.000	14.345	0.000	5.585	0.000	0.000	14.345	14.312	-2.659	OWSG MWD+IFR1+MS
4100.000	9.683	355.453	4088.925	14.557	0.000	14.707	0.000	5.732	0.000	0.000	14.707	14.669	-2.686	

															OWSG MWD+IFR1+MS
7200.000	0.000	0.000	7165.966	25.799	0.000	25.900	0.000	11.549	0.000	0.000	25.900	25.799	-2.662	OWSG MWD+IFR1+MS	
7300.000	0.000	0.000	7265.966	26.155	0.000	26.256	0.000	11.777	0.000	0.000	26.256	26.154	-2.673	OWSG MWD+IFR1+MS	
7400.000	0.000	0.000	7365.966	26.510	0.000	26.612	0.000	12.007	0.000	0.000	26.612	26.510	-2.683	OWSG MWD+IFR1+MS	
7500.000	0.000	0.000	7465.966	26.865	0.000	26.969	0.000	12.240	0.000	0.000	26.969	26.865	-2.693	OWSG MWD+IFR1+MS	
7600.000	0.000	0.000	7565.966	27.221	0.000	27.325	0.000	12.476	0.000	0.000	27.325	27.221	-2.703	OWSG MWD+IFR1+MS	
7700.000	0.000	0.000	7665.966	27.576	0.000	27.681	0.000	12.715	0.000	0.000	27.682	27.576	-2.712	OWSG MWD+IFR1+MS	
7800.000	0.000	0.000	7765.966	27.932	0.000	28.038	0.000	12.957	0.000	0.000	28.038	27.932	-2.721	OWSG MWD+IFR1+MS	
7900.000	0.000	0.000	7865.966	28.288	0.000	28.394	0.000	13.202	0.000	0.000	28.395	28.288	-2.729	OWSG MWD+IFR1+MS	
8000.000	0.000	0.000	7965.966	28.644	0.000	28.751	0.000	13.450	0.000	0.000	28.751	28.643	-2.737	OWSG MWD+IFR1+MS	
8100.000	0.000	0.000	8065.966	29.000	0.000	29.108	0.000	13.700	0.000	0.000	29.108	28.999	-2.745	OWSG MWD+IFR1+MS	
8200.000	0.000	0.000	8165.966	29.356	0.000	29.464	0.000	13.954	0.000	0.000	29.465	29.355	-2.752	OWSG MWD+IFR1+MS	
8300.000	0.000	0.000	8265.966	29.712	0.000	29.821	0.000	14.210	0.000	0.000	29.821	29.711	-2.760	OWSG MWD+IFR1+MS	
8400.000	0.000	0.000	8365.966	30.068	0.000	30.178	0.000	14.470	0.000	0.000	30.178	30.067	-2.766	OWSG MWD+IFR1+MS	
8500.000	0.000	0.000	8465.966	30.424	0.000	30.535	0.000	14.732	0.000	0.000	30.535	30.423	-2.773	OWSG MWD+IFR1+MS	
8600.000	0.000	0.000	8565.966	30.780	0.000	30.892	0.000	14.997	0.000	0.000	30.892	30.780	-2.780	OWSG MWD+IFR1+MS	
8700.000	0.000	0.000	8665.966	31.136	0.000	31.248	0.000	15.265	0.000	0.000	31.249	31.136	-2.786	OWSG MWD+IFR1+MS	
8800.000	0.000	0.000	8765.966	31.492	0.000	31.605	0.000	15.536	0.000	0.000	31.606	31.492	-2.792	OWSG MWD+IFR1+MS	
8900.000	0.000	0.000	8865.966	31.849	0.000	31.962	0.000	15.810	0.000	0.000	31.963	31.848	-2.798	OWSG MWD+IFR1+MS	
9000.000	0.000	0.000	8965.966	32.205	0.000	32.319	0.000	16.087	0.000	0.000	32.320	32.205	-2.803	OWSG MWD+IFR1+MS	
9100.000	0.000	0.000	9065.966	32.561	0.000	32.676	0.000	16.367	0.000	0.000	32.677	32.561	-2.809	OWSG MWD+IFR1+MS	
9200.000	0.000	0.000	9165.966	32.918	0.000	33.033	0.000	16.650	0.000	0.000	33.034	32.918	-2.814	OWSG MWD+IFR1+MS	
9300.000	0.000	0.000	9265.966	33.274	0.000	33.390	0.000	16.936	0.000	0.000	33.391	33.274	-2.819	OWSG MWD+IFR1+MS	
9400.000	0.000	0.000	9365.966	33.631	0.000	33.748	0.000	17.224	0.000	0.000	33.748	33.631	-2.824	OWSG MWD+IFR1+MS	
9500.000	0.000	0.000	9465.966	33.988	0.000	34.105	0.000	17.516	0.000	0.000	34.105	33.987	-2.829	OWSG MWD+IFR1+MS	
9600.000	0.000	0.000	9565.966	34.344	0.000	34.462	0.000	17.811	0.000	0.000	34.462	34.344	-2.833	OWSG MWD+IFR1+MS	
9700.000	0.000	0.000	9665.966	34.701	0.000	34.819	0.000	18.108	0.000	0.000	34.819	34.701	-2.838	OWSG MWD+IFR1+MS	
9800.000	0.000	0.000	9765.966	35.058	0.000	35.176	0.000	18.409	0.000	0.000	35.177	35.057	-2.842	OWSG MWD+IFR1+MS	
9900.000	0.000	0.000	9865.966	35.414	0.000	35.534	0.000	18.713	0.000	0.000	35.534	35.414	-2.847	OWSG MWD+IFR1+MS	
10000.000	0.000	0.000	9965.966	35.771	0.000	35.891	0.000	19.019	0.000	0.000	35.891	35.771	-2.851	OWSG MWD+IFR1+MS	
10100.000	0.000	0.000	10065.966	36.128	0.000	36.248	0.000	19.328	0.000	0.000	36.248	36.128	-2.855	OWSG MWD+IFR1+MS	
10200.000	0.000	0.000	10165.966	36.485	0.000	36.605	0.000	19.641	0.000	0.000	36.606	36.484	-2.859	OWSG MWD+IFR1+MS	
10300.000	0.000	0.000	10265.966	36.842	0.000	36.963	0.000	19.956	0.000	0.000	36.963	36.841	-2.862		

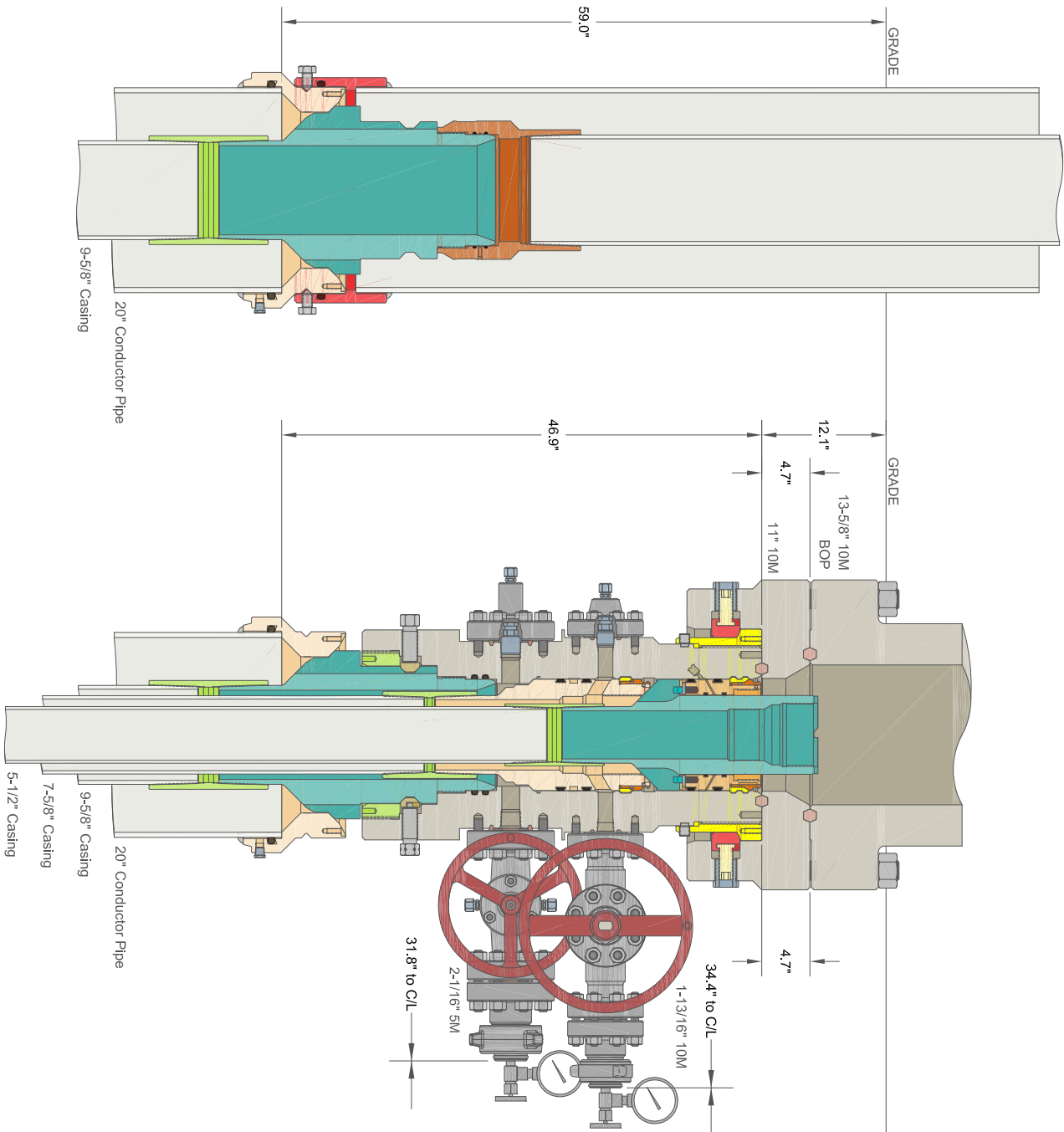
															OWSG MWD+IFR1+MS
10339.034	0.000	0.000	10305.000	36.981	0.000	37.102	0.000	20.080	0.000	0.000	37.103	36.981	-2.864	OWSG MWD+IFR1+MS	
10400.000	6.097	180.001	10365.851	36.914	-0.000	37.307	0.000	20.273	0.000	0.000	37.307	37.184	-2.858	OWSG MWD+IFR1+MS	
10500.000	16.097	180.001	10463.857	36.146	-0.000	37.614	0.000	20.576	0.000	0.000	37.614	37.480	-2.752	OWSG MWD+IFR1+MS	
10600.000	26.097	180.001	10557.036	34.636	-0.000	37.902	0.000	20.854	0.000	0.000	37.903	37.743	-2.478	OWSG MWD+IFR1+MS	
10700.000	36.097	180.001	10642.557	32.499	-0.000	38.166	0.000	21.101	0.000	0.000	38.166	37.962	-2.086	OWSG MWD+IFR1+MS	
10800.000	46.097	180.001	10717.822	29.916	-0.000	38.398	0.000	21.314	0.000	0.000	38.398	38.132	-1.691	OWSG MWD+IFR1+MS	
10900.000	56.097	180.001	10780.543	27.154	-0.000	38.596	0.000	21.499	0.000	0.000	38.596	38.253	-1.350	OWSG MWD+IFR1+MS	
11000.000	66.097	180.001	10828.815	24.585	-0.000	38.755	0.000	21.661	0.000	0.000	38.755	38.328	-1.073	OWSG MWD+IFR1+MS	
11100.000	76.097	180.001	10861.171	22.684	-0.000	38.873	0.000	21.810	0.000	0.000	38.873	38.367	-0.848	OWSG MWD+IFR1+MS	
11200.000	86.097	180.001	10876.629	21.927	-0.000	38.949	0.000	21.954	0.000	0.000	38.949	38.383	-0.660	OWSG MWD+IFR1+MS	
11239.034	90.000	180.001	10877.958	22.010	0.000	38.966	0.000	22.010	0.000	0.000	38.966	38.386	-0.595	OWSG MWD+IFR1+MS	
11300.000	90.000	180.001	10877.958	22.103	0.000	38.990	0.000	22.103	0.000	0.000	38.990	38.389	-0.495	OWSG MWD+IFR1+MS	
11400.000	90.000	179.990	10877.958	22.278	0.000	39.039	-0.000	22.278	0.000	0.000	39.039	38.395	-0.339	OWSG MWD+IFR1+MS	
11500.000	90.000	179.983	10877.958	22.478	0.000	39.099	-0.000	22.478	0.000	0.000	39.099	38.401	-0.200	OWSG MWD+IFR1+MS	
11600.000	90.000	179.976	10877.958	22.704	0.000	39.170	-0.000	22.704	0.000	0.000	39.170	38.408	-0.080	OWSG MWD+IFR1+MS	
11700.000	90.000	179.969	10877.958	22.955	0.000	39.253	-0.000	22.955	0.000	0.000	39.253	38.416	0.019	OWSG MWD+IFR1+MS	
11800.000	90.000	179.962	10877.958	23.229	0.000	39.347	-0.000	23.229	0.000	0.000	39.347	38.426	0.101	OWSG MWD+IFR1+MS	
11900.000	90.000	179.955	10877.958	23.526	0.000	39.452	-0.000	23.526	0.000	0.000	39.452	38.436	0.166	OWSG MWD+IFR1+MS	
12000.000	90.000	179.948	10877.958	23.846	0.000	39.568	-0.000	23.846	0.000	0.000	39.568	38.447	0.217	OWSG MWD+IFR1+MS	
12100.000	90.000	179.941	10877.958	24.187	0.000	39.695	-0.000	24.187	0.000	0.000	39.695	38.460	0.256	OWSG MWD+IFR1+MS	
12200.000	90.000	179.934	10877.958	24.548	0.000	39.833	-0.000	24.548	0.000	0.000	39.833	38.473	0.286	OWSG MWD+IFR1+MS	
12300.000	90.000	179.928	10877.958	24.928	0.000	39.981	-0.000	24.928	0.000	0.000	39.981	38.488	0.307	OWSG MWD+IFR1+MS	
12400.000	90.000	179.921	10877.958	25.328	0.000	40.140	-0.000	25.328	0.000	0.000	40.140	38.503	0.323	OWSG MWD+IFR1+MS	
12500.000	90.000	179.914	10877.959	25.745	0.000	40.309	-0.000	25.745	0.000	0.000	40.309	38.520	0.333	OWSG MWD+IFR1+MS	
12600.000	90.000	179.907	10877.959	26.178	0.000	40.488	-0.000	26.178	0.000	0.000	40.488	38.538	0.338	OWSG MWD+IFR1+MS	
12700.000	90.000	179.900	10877.959	26.628	0.000	40.678	-0.000	26.628	0.000	0.000	40.678	38.556	0.341	OWSG MWD+IFR1+MS	
12800.000	90.000	179.893	10877.959	27.093	0.000	40.878	-0.000	27.093	0.000	0.000	40.878	38.576	0.341	OWSG MWD+IFR1+MS	
12900.000	90.000	179.886	10877.959	27.573	0.000	41.087	-0.000	27.573	0.000	0.000	41.087	38.597	0.339	OWSG MWD+IFR1+MS	
13000.000	90.000	179.879	10877.959	28.066	0.000	41.306	-0.000	28.066	0.000	0.000	41.306	38.618	0.335	OWSG MWD+IFR1+MS	
13100.000	90.000	179.872	10877.959	28.573	0.000	41.535	-0.000	28.573	0.000	0.000	41.535	38.641	0.330	OWSG MWD+IFR1+MS	
13200.000	90.000	179.865	10877.960	29.092	0.000	41.773	-0.000	29.092	0.000	0.000	41.773	38.665	0.324	OWSG MWD+IFR1+MS	
13300.000	90.000	179.858	10877.960	29.622	0.000	42.021	-0.000	29.622	0.000	0.000	42.021	38.690	0.317		

															OWSG MWD+IFR1+MS
13400.000	90.000	179.851	10877.960	30.164	0.000	42.277	-0.000	30.164	0.000	0.000	42.277	38.716	0.309	OWSG MWD+IFR1+MS	
13500.000	90.000	179.845	10877.960	30.716	0.000	42.542	-0.000	30.716	0.000	0.000	42.543	38.742	0.302	OWSG MWD+IFR1+MS	
13600.000	90.000	179.838	10877.960	31.278	0.000	42.816	-0.000	31.278	0.000	0.000	42.817	38.770	0.293	OWSG MWD+IFR1+MS	
13700.000	90.000	179.831	10877.960	31.849	0.000	43.099	-0.000	31.849	0.000	0.000	43.099	38.799	0.285	OWSG MWD+IFR1+MS	
13800.000	90.000	179.824	10877.961	32.430	0.000	43.390	-0.000	32.430	0.000	0.000	43.391	38.829	0.276	OWSG MWD+IFR1+MS	
13900.000	90.000	179.817	10877.961	33.019	0.000	43.690	-0.000	33.019	0.000	0.000	43.690	38.860	0.267	OWSG MWD+IFR1+MS	
14000.000	90.000	179.810	10877.961	33.616	0.000	43.997	-0.000	33.616	0.000	0.000	43.997	38.892	0.258	OWSG MWD+IFR1+MS	
14100.000	90.000	179.803	10877.961	34.220	0.000	44.312	-0.000	34.220	0.000	0.000	44.313	38.925	0.249	OWSG MWD+IFR1+MS	
14200.000	90.000	179.796	10877.962	34.832	0.000	44.635	-0.000	34.832	0.000	0.000	44.636	38.959	0.241	OWSG MWD+IFR1+MS	
14300.000	90.000	179.789	10877.962	35.450	0.000	44.966	-0.000	35.450	0.000	0.000	44.966	38.993	0.232	OWSG MWD+IFR1+MS	
14400.000	90.000	179.782	10877.962	36.075	0.000	45.304	-0.000	36.075	0.000	0.000	45.305	39.029	0.223	OWSG MWD+IFR1+MS	
14500.000	90.000	179.775	10877.963	36.706	0.000	45.649	-0.000	36.706	0.000	0.000	45.650	39.066	0.214	OWSG MWD+IFR1+MS	
14600.000	90.000	179.768	10877.963	37.343	0.000	46.002	-0.000	37.343	0.000	0.000	46.002	39.104	0.206	OWSG MWD+IFR1+MS	
14700.000	90.000	179.761	10877.963	37.985	0.000	46.361	-0.000	37.985	0.000	0.000	46.361	39.143	0.197	OWSG MWD+IFR1+MS	
14800.000	90.000	179.755	10877.963	38.633	0.000	46.727	-0.000	38.633	0.000	0.000	46.728	39.183	0.189	OWSG MWD+IFR1+MS	
14900.000	90.000	179.748	10877.964	39.286	0.000	47.100	-0.000	39.286	0.000	0.000	47.100	39.224	0.180	OWSG MWD+IFR1+MS	
15000.000	90.000	179.741	10877.964	39.943	0.000	47.479	-0.000	39.943	0.000	0.000	47.479	39.265	0.172	OWSG MWD+IFR1+MS	
15100.000	90.000	179.734	10877.964	40.605	0.000	47.864	-0.000	40.605	0.000	0.000	47.865	39.308	0.164	OWSG MWD+IFR1+MS	
15200.000	90.000	179.727	10877.965	41.271	0.000	48.256	-0.000	41.271	0.000	0.000	48.256	39.352	0.156	OWSG MWD+IFR1+MS	
15300.000	90.000	179.720	10877.965	41.942	0.000	48.653	-0.000	41.942	0.000	0.000	48.654	39.396	0.148	OWSG MWD+IFR1+MS	
15400.000	90.000	179.713	10877.966	42.616	0.000	49.057	-0.000	42.616	0.000	0.000	49.057	39.442	0.140	OWSG MWD+IFR1+MS	
15500.000	90.000	179.706	10877.966	43.294	0.000	49.466	-0.000	43.294	0.000	0.000	49.466	39.489	0.133	OWSG MWD+IFR1+MS	
15600.000	90.000	179.699	10877.966	43.976	0.000	49.880	-0.000	43.976	0.000	0.000	49.881	39.536	0.125	OWSG MWD+IFR1+MS	
15700.000	90.000	179.692	10877.967	44.661	0.000	50.300	-0.000	44.661	0.000	0.000	50.301	39.585	0.117	OWSG MWD+IFR1+MS	
15800.000	90.000	179.685	10877.967	45.349	0.000	50.726	-0.000	45.349	0.000	0.000	50.726	39.634	0.110	OWSG MWD+IFR1+MS	
15900.000	90.000	179.678	10877.967	46.040	0.000	51.156	-0.000	46.040	0.000	0.000	51.157	39.685	0.103	OWSG MWD+IFR1+MS	
16000.000	90.000	179.671	10877.968	46.734	0.000	51.592	-0.000	46.734	0.000	0.000	51.592	39.736	0.096	OWSG MWD+IFR1+MS	
16100.000	90.000	179.665	10877.968	47.431	0.000	52.032	-0.000	47.431	0.000	0.000	52.033	39.788	0.088	OWSG MWD+IFR1+MS	
16200.000	90.000	179.658	10877.969	48.131	0.000	52.477	-0.000	48.131	0.000	0.000	52.478	39.842	0.081	OWSG MWD+IFR1+MS	
16300.000	90.000	179.651	10877.969	48.833	0.000	52.927	-0.000	48.833	0.000	0.000	52.928	39.896	0.075	OWSG MWD+IFR1+MS	
16400.000	90.000	179.644	10877.970	49.538	0.000	53.382	-0.000	49.538	0.000	0.000	53.382	39.951	0.068	OWSG MWD+IFR1+MS	
16500.000	90.000	179.637	10877.970	50.245	0.000	53.841	-0.000	50.245	0.000	0.000	53.841	40.007	0.061		

														OWSG MWD+IFR1+MS
16600.000	90.000	179.630	10877.971	50.955	0.000	54.304	-0.000	50.955	0.000	0.000	54.304	40.064	0.054	OWSG MWD+IFR1+MS
16700.000	90.000	179.623	10877.971	51.666	0.000	54.771	-0.000	51.667	0.000	0.000	54.772	40.122	0.048	OWSG MWD+IFR1+MS
16800.000	90.000	179.616	10877.972	52.380	0.000	55.243	-0.000	52.380	0.000	0.000	55.243	40.181	0.041	OWSG MWD+IFR1+MS
16900.000	90.000	179.609	10877.972	53.096	0.000	55.718	-0.000	53.096	0.000	0.000	55.719	40.240	0.035	OWSG MWD+IFR1+MS
17000.000	90.000	179.602	10877.973	53.814	0.000	56.197	-0.000	53.814	0.000	0.000	56.198	40.301	0.028	OWSG MWD+IFR1+MS
17100.000	90.000	179.595	10877.973	54.533	0.000	56.681	-0.000	54.533	0.000	0.000	56.681	40.362	0.022	OWSG MWD+IFR1+MS
17200.000	90.000	179.588	10877.974	55.254	0.000	57.167	-0.000	55.254	0.000	0.000	57.168	40.425	0.016	OWSG MWD+IFR1+MS
17300.000	90.000	179.582	10877.974	55.977	0.000	57.658	-0.000	55.977	0.000	0.000	57.659	40.488	0.010	OWSG MWD+IFR1+MS
17400.000	90.000	179.575	10877.975	56.702	0.000	58.152	-0.000	56.702	0.000	0.000	58.153	40.552	0.004	OWSG MWD+IFR1+MS
17500.000	90.000	179.568	10877.975	57.428	0.000	58.649	-0.000	57.428	0.000	0.000	58.650	40.617	-0.003	OWSG MWD+IFR1+MS
17600.000	90.000	179.561	10877.976	58.156	0.000	59.150	-0.000	58.156	0.000	0.000	59.151	40.683	-0.009	OWSG MWD+IFR1+MS
17700.000	90.000	179.554	10877.976	58.885	0.000	59.654	-0.000	58.885	0.000	0.000	59.655	40.750	-0.014	OWSG MWD+IFR1+MS
17800.000	90.000	179.547	10877.977	59.616	0.000	60.161	-0.000	59.616	0.000	0.000	60.162	40.818	-0.020	OWSG MWD+IFR1+MS
17900.000	90.000	179.540	10877.978	60.348	0.000	60.671	-0.000	60.348	0.000	0.000	60.672	40.886	-0.026	OWSG MWD+IFR1+MS
18000.000	90.000	179.533	10877.978	61.081	0.000	61.185	-0.000	61.081	0.000	0.000	61.185	40.956	-0.032	OWSG MWD+IFR1+MS
18100.000	90.000	179.526	10877.979	61.816	0.000	61.701	-0.000	61.816	0.000	0.000	61.702	41.026	-0.038	OWSG MWD+IFR1+MS
18200.000	90.000	179.519	10877.979	62.551	0.000	62.220	-0.000	62.551	0.000	0.000	62.221	41.097	-0.043	OWSG MWD+IFR1+MS
18300.000	90.000	179.512	10877.980	63.288	0.000	62.742	-0.000	63.288	0.000	0.000	62.743	41.169	-0.049	OWSG MWD+IFR1+MS
18400.000	90.000	179.505	10877.981	64.026	0.000	63.266	-0.000	64.026	0.000	0.000	63.267	41.242	-0.054	OWSG MWD+IFR1+MS
18500.000	90.000	179.498	10877.981	64.766	0.000	63.793	-0.000	64.766	0.000	0.000	63.795	41.316	-0.060	OWSG MWD+IFR1+MS
18600.000	90.000	179.492	10877.982	65.506	0.000	64.323	-0.000	65.506	0.000	0.000	64.324	41.390	-0.065	OWSG MWD+IFR1+MS
18700.000	90.000	179.485	10877.983	66.247	0.000	64.856	-0.000	66.247	0.000	0.000	64.857	41.465	-0.071	OWSG MWD+IFR1+MS
18800.000	90.000	179.478	10877.983	66.989	0.000	65.390	-0.000	66.989	0.000	0.000	65.392	41.542	-0.076	OWSG MWD+IFR1+MS
18900.000	90.000	179.471	10877.984	67.733	0.000	65.928	-0.000	67.733	0.000	0.000	65.929	41.619	-0.082	OWSG MWD+IFR1+MS
19000.000	90.000	179.464	10877.985	68.477	0.000	66.467	-0.000	68.477	0.000	0.000	66.469	41.696	-0.087	OWSG MWD+IFR1+MS
19100.000	90.000	179.457	10877.985	69.222	0.000	67.009	-0.000	69.222	0.000	0.000	67.010	41.775	-0.092	OWSG MWD+IFR1+MS
19200.000	90.000	179.450	10877.986	69.968	0.000	67.553	-0.000	69.968	0.000	0.000	67.555	41.854	-0.097	OWSG MWD+IFR1+MS
19300.000	90.000	179.443	10877.987	70.714	0.000	68.100	-0.000	70.714	0.000	0.000	68.101	41.935	-0.103	OWSG MWD+IFR1+MS
19400.000	90.000	179.436	10877.987	71.462	0.000	68.648	-0.000	71.462	0.000	0.000	68.649	42.016	-0.108	OWSG MWD+IFR1+MS
19500.000	90.000	179.429	10877.988	72.210	0.000	69.199	-0.000	72.210	0.000	0.000	69.200	42.098	-0.113	OWSG MWD+IFR1+MS
19600.000	90.000	179.422	10877.989	72.959	0.000	69.751	-0.000	72.960	0.000	0.000	69.753	42.180	-0.118	OWSG MWD+IFR1+MS
19700.000	90.000	179.415	10877.990	73.709	0.000	70.306	-0.000	73.709	0.000	0.000	70.307	42.264	-0.123	

														OWSG MWD+IFR1+MS
19800.000	90.000	179.408	10877.990	74.460	0.000	70.862	-0.000	74.460	0.000	0.000	70.864	42.348	-0.128	OWSG MWD+IFR1+MS
19900.000	90.000	179.402	10877.991	75.211	0.000	71.421	-0.000	75.211	0.000	0.000	71.422	42.433	-0.133	OWSG MWD+IFR1+MS
20000.000	90.000	179.395	10877.992	75.963	0.000	71.981	-0.000	75.963	0.000	0.000	71.982	42.518	-0.138	OWSG MWD+IFR1+MS
20100.000	90.000	179.388	10877.993	76.716	0.000	72.543	-0.000	76.716	0.000	0.000	72.544	42.605	-0.143	OWSG MWD+IFR1+MS
20200.000	90.000	179.381	10877.994	77.469	0.000	73.107	-0.000	77.469	0.000	0.000	73.108	42.692	-0.148	OWSG MWD+IFR1+MS
20300.000	90.000	179.374	10877.994	78.223	0.000	73.672	-0.000	78.223	0.000	0.000	73.674	42.780	-0.153	OWSG MWD+IFR1+MS
20400.000	90.000	179.367	10877.995	78.977	0.000	74.239	-0.000	78.977	0.000	0.000	74.241	42.869	-0.158	OWSG MWD+IFR1+MS
20500.000	90.000	179.360	10877.996	79.732	0.000	74.808	-0.000	79.733	0.000	0.000	74.810	42.958	-0.163	OWSG MWD+IFR1+MS
20600.000	90.000	179.353	10877.997	80.488	0.000	75.378	-0.000	80.488	0.000	0.000	75.380	43.049	-0.167	OWSG MWD+IFR1+MS
20700.000	90.000	179.346	10877.998	81.244	0.000	75.950	-0.000	81.244	0.000	0.000	75.952	43.140	-0.172	OWSG MWD+IFR1+MS
20800.000	90.000	179.339	10877.998	82.001	0.000	76.524	-0.000	82.001	0.000	0.000	76.526	43.231	-0.177	OWSG MWD+IFR1+MS
20900.000	90.000	179.332	10877.999	82.758	0.000	77.099	-0.000	82.758	0.000	0.000	77.101	43.324	-0.182	OWSG MWD+IFR1+MS
20975.880	90.000	179.327	10878.000	83.333	0.000	77.536	-0.000	83.333	0.000	0.000	77.538	43.394	-0.185	OWSG MWD+IFR1+MS

Plan Targets		PLU 16 TWR 156H			
Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
PLU 16 TWR FTP 8	10999.42	440206.04	670622.37	7335.00	CIRCLE
PLU 16 TWR BHL 8	20975.88	430169.46	670679.46	7335.00	CIRCLE



CACTUS WELLHEAD LLC 20" x 9-5/8" x 7-5/8" x 5-1/2" MBU-T-CFL-R-DBLO Wellhead With 11" 10M x 7-1/16" 15M CTH-DBLHPS Tubing Head And 9-5/8", 7-5/8" & 5-1/2" Pin Bottom Mandrel Casing Hangers	XTO ENERGY INC ICARUS PAD		
	DRAWN	DLE	18JAN21
	APPRV		
	DRAWING NO. HBE0000479		

Released to Imaging:

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<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 412865

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 412865
	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 for the well to the new pool	5/15/2025