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

Sundry Print Report

01/29/2024

Well Name: POKER LAKE UNIT 22 DTD

Well Location: T24S / R30E / SEC 22 / NWNE /

County or Parish/State:

Well Number: 107H

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMNM068905

Unit or CA Name:

Unit or CA Number:

US Well Number: 3001549861

Well Status: Approved Application for Permit to Drill

Operator: XTO PERMIAN OPERATING LLC

Notice of Intent

Sundry ID: 2762131

Type of Submission: Notice of Intent

Type of Action: APD Change

Date Sundry Submitted: 11/17/2023

Time Sundry Submitted: 05:58

Date proposed operation will begin: 11/27/2023

Procedure Description: XTO Permian Operating LLC. respectfully requests approval to make changes to the Approved APD as follows: SHL, BHL, FTP, LTP, Directional Drilling Plan, Casing and cement change SHL: FROM: 423' FNL & 1385' FWL TO: 328' FNL & 896' FWL of Section 22-T24S-R30E BHL: FROM: 198' FNL & 1517' FWL TO: 230' FNL & 1580' FEL of Section 3-T24S-R30E FTP: FROM: 100' FNL & 1576' FWL TO: 500' FNL & 1580' FEL of Section 22-T24S-R30E LTP: FROM: 328' FNL & 1518' FWL TO: 330' FNL & 1580' FEL of Section 3-T24S-R30E DRILLING AND CASING PLAN: 6" P-110 26# production casing will be run instead of 5-1/2" P-110 23# production casing. ATTACHMENTS: New C-102, Drilling and Casing Plan, Directional Plan, Wellhead Design, Casing Spec Sheet, BOP Variance Request and Well Control Plan

NOI Attachments

Procedure Description

PLU_22_DTD_107H_sundry_attachments_for_APD_Changes_1_11_2024_20240111104707.pdf

POKER_LAKE_UNIT_22_DTD_107H_C_102_signed_11_10_2023_20231220154500.pdf

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Conditions of Approval

Additional

Sec_22_24S_30E_NMP_Sundry_2762131_Poker_Lake_Unit_22_DTD_107H_COAs_20240125135104.pdf

Operator

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

Operator Electronic Signature: RANELL (RUSTY) KLEIN

Signed on: JAN 11, 2024 10:47 AM

Name: XTO PERMIAN OPERATING LLC

Title: Regulatory Analyst

Street Address: 6401 HOLIDAY HILL ROAD BLDG 5

City: MIDLAND **State:** TX

Phone: (432) 620-6700

Email address: RANELL.KLEIN@EXXONMOBIL.COM

Field

Representative Name:

Street Address:

City: **State:** **Zip:**

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752342234

BLM POC Email Address: cwalls@blm.gov

Disposition: Approved

Disposition Date: 01/26/2024

Signature: Chris Walls

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

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 recomplete 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 OFICE 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 ofthis form to U.S. Department ofthe Interior, Bureau ofLand Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Location of Well

0. SHL: NWNE / 423 FNL / 1385 FEL / TWSP: 24S / RANGE: 30E / SECTION: 22 / LAT: 32.209417 / LONG: -103.864759 (TVD: 0 feet, MD: 0 feet)

PPP: SWNE / 100 FSL / 1577 FWL / TWSP: 24S / RANGE: 30E / SECTION: 15 / LAT: 32.210805 / LONG: -103.872488 (TVD: 11179 feet, MD: 14148 feet)

PPP: SWSE / 100 FSL / 1576 FEL / TWSP: 24S / RANGE: 30E / SECTION: 15 / LAT: 32.210851 / LONG: -103.865374 (TVD: 11179 feet, MD: 11508 feet)

PPP: SWSE / 300 FNL / 313 FWL / TWSP: 24S / RANGE: 30E / SECTION: 10 / LAT: 32.253158 / LONG: -103.876545 (TVD: 11179 feet, MD: 16788 feet)

BHL: SWNE / 198 FNL / 1517 FEL / TWSP: 24S / RANGE: 30E / SECTION: 3 / LAT: 32.253547 / LONG: -103.865157 (TVD: 11179 feet, MD: 27040 feet)

PECOS DISTRICT
DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	XTO Permian Operating LLC
WELL NAME & NO.:	Poker Lake Unit 22 DTD 107H
LOCATION:	Sec 22-24S-30E-NMP
COUNTY:	Eddy County, New Mexico

*Changes approved through engineering via **Sundry 2762131** on 01/25/2024. Any previous COAs not addressed within the updated COAs still apply.*

COA

H_2S	◉ No	○ Yes		
Potash / WIPP	◉ None	○ Secretary	○ R-111-P	☐ WIPP
Cave / Karst	◉ Low	○ Medium	○ High	○ Critical
Wellhead	○ Conventional	◉ Multibowl	○ Both	○ Diverter
Cementing	☐ Primary Squeeze	☑ Cont. Squeeze	☑ EchoMeter	☐ DV Tool
Special Req	☑ Break Testing	☐ Water Disposal	☐ COM	☑ Unit
Variance	☑ Flex Hose	☐ Casing Clearance	☐ Pilot Hole	☐ Capitan Reef
Variance	☐ Four-String	☑ Offline Cementing	☐ Fluid-Filled	☐ Open Annulus
☐ **Batch APD / Sundry**				

A. HYDROGEN SULFIDE

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

B. CASING

1. The **9-5/8** inch surface casing shall be set at approximately 797 feet (a minimum of 70 feet (Eddy County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.

    a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
    b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8**

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

c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
d. If cement falls back, remedial cementing will be done prior to drilling out that string.

2. The minimum required fill of cement behind the **7-5/8** inch intermediate casing is:

Operator has proposed to cement in two stages by conventionally cementing the first stage and performing a bradenhead squeeze on the second stage, contingent upon no returns to surface.

a. First stage: Operator will cement with intent to reach the top of the **Brushy Canyon at 6227'**

b. Second stage:

- Operator will perform bradenhead squeeze and top-out. Cement to surface. If cement does not reach surface, the appropriate BLM office shall be notified.

Operator has proposed to pump down 9-5/8" X 7-5/8" annulus after primary cementing stage. Operator must run Echo-meter to verify Cement Slurry/Fluid top in the annulus OR operator shall run a CBL from TD of the 7-5/8" casing to surface after the second stage BH to verify TOC.
Submit results to the BLM. No displacement fluid/wash out shall be utilized at the top of the cement slurry between second stage BH and top out.

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

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

3. The minimum required fill of cement behind the **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. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 10,000 (10M) psi. ***Variance approved to utilize a 5M annular tested to 5000 psi.***

    a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
    b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
    c. Manufacturer representative shall install the test plug for the initial BOP test.
    d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
    e. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172 must be followed.

D. SPECIAL REQUIREMENT (S)

Unit Wells

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

Commercial Well Determination

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

BOPE Break Testing Variance

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

- The BLM is to be contacted (575-361-2822 Eddy County) 4 hours prior to BOPE tests.
- As a minimum, a full BOPE test shall be performed at 21-day intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per Onshore Oil and Gas Order No. 2.
- If in the event break testing is not utilized, then a full BOPE test would be conducted.

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

GENERAL REQUIREMENTS

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

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

- **Eddy County (API No. / US Well No. contains 30-015-#####)**
  Email **or** call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, **BLM_NM_CFO_DrillingNotifications@BLM.GOV**
  (575) 361-2822

- **Lea County (API No. / US Well No. contains 30-025-#####)**
  Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240,
  (575) 689-5981

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.

   a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
   b. When the operator proposes to set surface casing with Spudder Rig
      - Notify the BLM when moving in and removing the Spudder Rig.
      - Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
      - BOP/BOPE test to be conducted per **43 CFR part 3170 Subpart 3172** as soon as 2nd Rig is rigged up on well.

2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.

3. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well – vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.

2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends, 2) until cement has been in place at least 24 hours. WOC time will be recorded in the driller's log. The casing intergrity test can be done (prior to the cement setting up) immediately after bumping the plug.

3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.

4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.

5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.

7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in **43 CFR part 3170 Subpart 3172** and **API STD 53 Sec. 5.3**.

2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.

3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.

4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:

    a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
    b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
    c. Manufacturer representative shall install the test plug for the initial BOP test.

d. Whenever any seal subject to test pressure is broken, all the tests in **43 CFR part 3170 Subpart 3172** must be followed.
e. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.

5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.

a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).

b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)

c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR part 3170 Subpart 3172** with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).

d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.

e. The results of the test shall be reported to the appropriate BLM office.

f. All tests are required to be recorded on a calibrated test chart. A copy of the

BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.

g. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.

h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per **43 CFR part 3170 Subpart 3172**.

C. DRILLING MUD

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

D. WASTE MATERIAL AND FLUIDS

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

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

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

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

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

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-015-49861	98220	Purple Sage; Wolfcamp (gas)

[4] Property Code	[5] Property Name	[6] Well Number
333192	POKER LAKE UNIT 22 DTD	107H

[7] OGRID No.	[8] Operator Name	[9] Elevation
373075	XTO PERMIAN OPERATING, LLC.	3,430'

[10] Surface Location

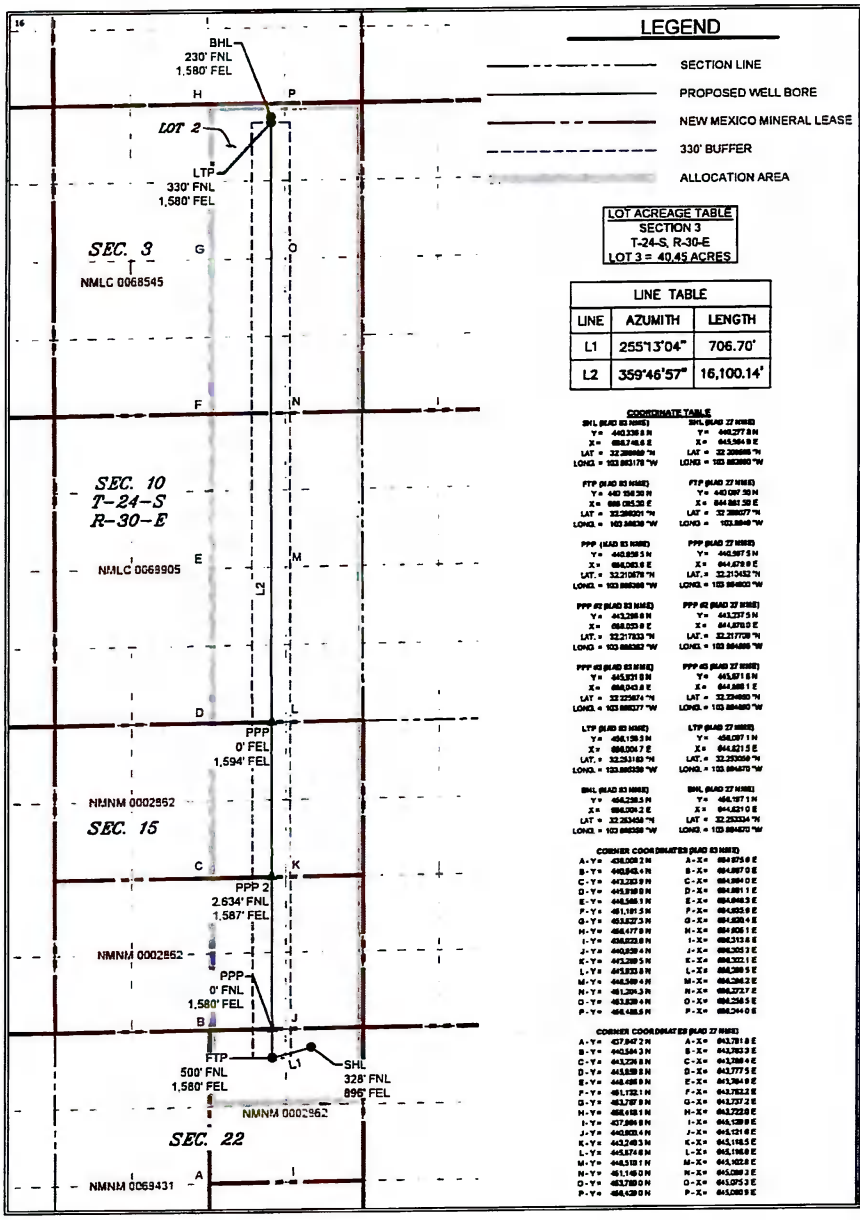
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	22	24S	30E		328	NORTH	896	EAST	EDDY

[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
2	3	24S	30E		230	NORTH	1,580	EAST	EDDY

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
960.90			

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.



LEGEND

- SECTION LINE
- PROPOSED WELL BORE
- NEW MEXICO MINERAL LEASE
- 330' BUFFER
- ALLOCATION AREA

LOT ACREAGE TABLE
SECTION 3
T-24-S, R-30-E
LOT 3 = 40.45 ACRES

LINE TABLE		
LINE	AZUMITH	LENGTH
L1	255°13'04"	706.70'
L2	359°46'57"	16,100.14'

COORDINATE TABLE

CORNER COORDINATES

[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

Signature Date

RUSTY KLEIN
Printed Name

ranell.klein@exxonmobil.com
E-mail Address

[18] SURVEYOR CERTIFICATION

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

10-31-2023
Date of Survey

Signature and Seal of Professional Surveyor:

MARK DILLON HARP
NEW MEXICO
23786
PROFESSIONAL SURVEYOR

MARK DILLON HARP 23786
Certificate Number

KC/AI/RP 618.013003.08-06

P:\618.013 XTO Energy - NM\003 Poker Lake Unit\08 - PLU 22 DTD - EDDY\Wells\-06 - PLU 22 DTD - 107H\DWG\107H C-102.dwg

Intent [X] As Drilled [ ]

API #		
30015		
Operator Name: XTO PERMIAN OPERATING, LLC	Property Name: Poker Lake Unit 22 DTD	Well Number 107H

Kick Off Point (KOP)

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

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
B	22	24S	30E		500	North	1,580	East	Eddy
Latitude			Longitude						NAD
32.209201			103.86539						83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
2	3	24S	30E		330	North	1,580	East	Eddy
Latitude			Longitude						NAD
32.253183			103.865359						83

Is this well the defining well for the Horizontal Spacing Unit? [ ]

Is this well an infill well? [ ]

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

API #		
Operator Name:	Property Name:	Well Number

KZ 06/29/2018

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

XTO Energy Inc.
POKER LAKE UNIT 22 DTD - 107H
Projected TD: 28803' MD / 12157' TVD
SHL: 328' FNL & 896' FEL , Section 22, T24S, R30E
BHL: 230' FNL & 1580' FEL , Section 3, T24S, R30E
Eddy County, NM

1. Geologic Name of Surface Formation

A. Quaternary

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

Formation	Well Depth (TVD)	Water/Oil/Gas
Rustler	697'	Water
Top of Salt	1051'	Water
Base of Salt	3783'	Water
Delaware	4004'	Water
Brushy Canyon	6216'	Water/Oil/Gas
Bone Spring	7864'	Water
1st Bone Spring	8662'	Water/Oil/Gas
2nd Bone Spring	9194'	Water/Oil/Gas
3rd Bone Spring	9945'	Water/Oil/Gas
Wolfcamp	11092'	Water/Oil/Gas
Wolfcamp X	11134'	Water/Oil/Gas
Wolfcamp Y	11217'	Water/Oil/Gas
Wolfcamp A	11263'	Water/Oil/Gas
Wolfcamp B	11700'	Water/Oil/Gas
Wolfcamp D	12057'	Water/Oil/Gas
Target/Land Curve	12157'	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 @ 797' (254' 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 11241' and cemented to surface. A 6.75 inch curve and 6.75 inch lateral hole will be drilled to 28803 MD/TD and 5.5 inch production casing will be set at TD and cemented back up in the intermediate shoe (estimated TOC 10941 feet).

3. Casing Design

Hole Size	Depth	OD Csg	Weight	Grade	Collar	New/Used	SF Burst	SF Collapse	SF Tension
12.25	0' – 797'	9.625	40	J-55	BTC	New	1.28	7.81	19.76
8.75	0' – 4000'	7.625	29.7	RY P-110	Flush Joint	New	1.71	2.71	1.67
8.75	4000' – 11241'	7.625	29.7	HC L-80	Flush Joint	New	1.24	1.85	1.89
6.75	0' – 11141'	5.5	23	RY P-110	Semi-Premium	New	1.21	1.93	1.60
6.75	11141' - 28803'	5.5	23	RY P-110	Semi-Flush	New	1.21	1.77	1.68

· 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
· 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 +/- 797'

Lead: 160 sxs EconoCem-HLTRRC (mixed at 10.5 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 +/- 11241'
1st Stage
Optional Lead: 330 sxs Class C (mixed at 10.5 ppg, 2.77 ft3/sx, 15.59 gal/sx water)
TOC: Surface
Tail: 460 sxs Class C (mixed at 14.8 ppg, 1.35 ft3/sx, 6.39 gal/sx water)
TOC: Brushy Canyon @ 6216
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: 700 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 (6216') and the second stage performed as a bradenhead squeeze with planned cement from the Brushy Canyon to surface. If cement is not visually confirmed to circulate to surface, the final cement top after the second stage job will be verified by Echo-meter. If necessary, a top out consisting of 1,500 sack of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (2.30 yld, 12.91 ppg) will be executed as a contingency. If cement is still unable to circulate to surface, another Echo-meter run will be performed for cement top verification.

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

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

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

Production Casing: 5.5, 23 New Semi-Flush, RY P-110 casing to be set at +/- 28803'

Lead: 20 sxs NeoCem (mixed at 11.5 ppg, 2.69 ft3/sx, 15.00 gal/sx water) Top of Cement: 10941 feet
Tail: 1230 sxs VersaCem (mixed at 13.2 ppg, 1.51 ft3/sx, 8.38 gal/sx water) Top of Cement: 11579 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 9-5/8" minimum 5M Hydril and a 9-5/8" minimum 10M Double Ram BOP. MASP should not exceed 5544 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 nippling up on the 9.625, 10M bradenhead and flange, the BOP test will be limited to 10000 psi. When nippling up on the 7.625, the BOP will be tested to a minimum of 10000 psi. All BOP tests will include a low pressure test as per BLM regulations. The 10M BOP diagrams are attached. Blind rams will be functioned tested each trip, pipe rams will be functioned tested each day.

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

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

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

6. Proposed Mud Circulation System

INTERVAL	Hole Size	Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)
0' - 797'	12.25	FW/Native	8-9	35-40	NC
797' - 11241'	8.75	FW / Cut Brine / Direct Emulsion	9-10	30-32	NC
11241' - 28803'	6.75	OBM	12.5-13.5	50-60	NC - 20

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

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

7. Auxiliary Well Control and Monitoring Equipment

A. A Kelly cock will be in the drill string at all times.
B. A full opening drill pipe stabbing valve having appropriate connections will be on the rig floor at all times.
C. H2S monitors will be on location when drilling below the 9.625 casing.

8. Logging, Coring and Testing Program

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

Open hole logging will not be done on this well.

9. Abnormal Pressures and Temperatures / Potential Hazards

None Anticipated. BHT of 185 to 205 F is anticipated. No H2S is expected but monitors will be in place to detect any H2S occurrences. Should these circumstances be encountered the operator and drilling contractor are prepared to take all necessary steps to ensure safety of all personnel and environment. Lost circulation could occur but is not expected to be a serious problem in this area and hole seepage will be compensated for by additions of small amounts of LCM in the drilling fluid. The maximum anticipated bottom hole pressure for this well is 8218 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 - POKER LAKE UNIT 22 DTD 107H

30-015-49861

Measured Depth:	28803.74 ft
TVD RKB:	12157.00 ft
Location	
Cartographic Reference System:	New Mexico East - NAD 27
Northing:	440277.80 ft
Easting:	645564.90 ft
RKB:	3462.00 ft
Ground Level:	3430.00 ft
North Reference:	Grid
Convergence Angle:	0.25 Deg

Plan Sections POKER LAKE UNIT 22 DTD 107H

Measured Depth (ft)	Inclination (Deg)	Azimuth (Deg)	TVD RKB (ft)	Y Offset (ft)	X Offset (ft)	Build Rate (Deg/100ft)	Turn Rate (Deg/100ft)	Dogleg Rate (Deg/100ft)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	0.00	
1840.91	14.82	217.21	1832.67	-75.88	-57.62	2.00	0.00	2.00	
5497.16	14.82	217.21	5367.33	-820.61	-623.10	0.00	0.00	0.00	
6238.06	0.00	0.00	6100.00	-896.49	-680.71	-2.00	0.00	2.00	
11578.86	0.00	0.00	11440.80	-896.49	-680.71	0.00	0.00	0.00	
12703.86	90.00	359.79	12157.00	-180.30	-683.40	8.00	0.00	8.00	FTP 16
28703.58	90.00	359.79	12157.00	15819.30	-743.40	0.00	0.00	0.00	LTP 16
28803.74	90.00	359.79	12157.00	15919.46	-743.78	0.00	0.00	0.00	BHL 16

Position Uncertainty POKER LAKE UNIT 22 DTD 107H

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

Depth (ft)	Inclination (°)	Azimuth (°)	RKB (ft)	Error (ft)	Bias (ft)	Error (ft)	Bias (ft)	Error (ft)	Bias (ft)	of Bias (ft)	Error (ft)	Error (ft)	Azimuth (°)	Used
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	MWD+IFR1+MS
100.000	0.000	0.000	100.000	0.700	0.000	0.350	0.000	2.300	0.000	0.000	0.751	0.220	112.264	MWD+IFR1+MS
200.000	0.000	0.000	200.000	1.112	0.000	0.861	0.000	2.310	0.000	0.000	1.259	0.627	122.711	MWD+IFR1+MS
300.000	0.000	0.000	300.000	1.497	0.000	1.271	0.000	2.326	0.000	0.000	1.698	0.986	125.469	MWD+IFR1+MS
400.000	0.000	0.000	400.000	1.871	0.000	1.658	0.000	2.347	0.000	0.000	2.108	1.344	126.713	MWD+IFR1+MS
500.000	0.000	0.000	500.000	2.240	0.000	2.034	0.000	2.375	0.000	0.000	2.503	1.701	127.419	MWD+IFR1+MS
600.000	0.000	0.000	600.000	2.607	0.000	2.405	0.000	2.407	0.000	0.000	2.888	2.059	127.873	MWD+IFR1+MS
700.000	0.000	0.000	700.000	2.971	0.000	2.773	0.000	2.445	0.000	0.000	3.267	2.417	128.190	MWD+IFR1+MS
800.000	0.000	0.000	800.000	3.334	0.000	3.138	0.000	2.486	0.000	0.000	3.642	2.775	128.423	MWD+IFR1+MS
900.000	0.000	0.000	900.000	3.696	0.000	3.502	0.000	2.533	0.000	0.000	4.014	3.133	128.602	MWD+IFR1+MS
1000.000	0.000	0.000	1000.000	4.058	0.000	3.865	0.000	2.583	0.000	0.000	4.384	3.491	128.744	MWD+IFR1+MS
1100.000	0.000	0.000	1100.000	4.419	0.000	4.228	0.000	2.636	0.000	0.000	4.752	3.849	128.859	MWD+IFR1+MS
1200.000	2.000	217.210	1199.980	5.087	-0.000	4.198	0.000	2.693	0.000	0.000	5.091	4.196	129.567	MWD+IFR1+MS
1300.000	4.000	217.210	1299.838	5.841	-0.000	4.566	0.000	2.753	0.000	0.000	5.868	4.543	134.237	MWD+IFR1+MS
1400.000	6.000	217.210	1399.452	6.521	-0.000	4.933	0.000	2.818	0.000	0.000	6.578	4.884	-43.784	MWD+IFR1+MS
1500.000	8.000	217.210	1498.702	7.147	-0.000	5.301	0.000	2.892	0.000	0.000	7.235	5.228	-42.691	MWD+IFR1+MS
1600.000	10.000	217.210	1597.465	7.731	-0.000	5.670	0.000	2.975	0.000	0.000	7.851	5.575	-41.987	MWD+IFR1+MS
1700.000	12.000	217.210	1695.623	8.280	-0.000	6.043	0.000	3.069	0.000	0.000	8.435	5.927	-41.478	MWD+IFR1+MS
1800.000	14.000	217.210	1793.055	8.801	-0.000	6.420	0.000	3.177	0.000	0.000	8.992	6.286	-41.075	MWD+IFR1+MS
1840.906	14.818	217.210	1832.674	8.908	-0.000	6.567	0.000	3.205	0.000	0.000	9.117	6.434	-41.067	MWD+IFR1+MS
1900.000	14.818	217.210	1889.803	9.066	-0.000	6.780	0.000	3.252	0.000	0.000	9.270	6.651	-41.024	MWD+IFR1+MS
2000.000	14.818	217.210	1986.477	9.339	-0.000	7.159	0.000	3.339	0.000	0.000	9.537	7.032	-40.727	MWD+IFR1+MS
2100.000	14.818	217.210	2083.151	9.628	-0.000	7.552	0.000	3.432	0.000	0.000	9.820	7.421	-40.241	MWD+IFR1+MS
2200.000	14.818	217.210	2179.826	9.925	-0.000	7.947	0.000	3.528	0.000	0.000	10.112	7.814	-39.726	MWD+IFR1+MS
2300.000	14.818	217.210	2276.500	10.230	-0.000	8.345	0.000	3.628	0.000	0.000	10.410	8.208	-39.183	MWD+IFR1+MS
2400.000	14.818	217.210	2373.174	10.540	-0.000	8.746	0.000	3.730	0.000	0.000	10.715	8.605	-38.610	MWD+IFR1+MS
2500.000	14.818	217.210	2469.848	10.857	-0.000	9.148	0.000	3.836	0.000	0.000	11.026	9.003	-38.004	MWD+IFR1+MS
2600.000	14.818	217.210	2566.523	11.179	-0.000	9.552	0.000	3.944	0.000	0.000	11.343	9.401	-37.365	MWD+IFR1+MS
2700.000	14.818	217.210	2663.197	11.507	-0.000	9.957	0.000	4.054	0.000	0.000	11.665	9.801	-36.689	MWD+IFR1+MS
2800.000	14.818	217.210	2759.871	11.838	-0.000	10.364	0.000	4.167	0.000	0.000	11.991	10.202	-35.976	MWD+IFR1+MS
2900.000	14.818	217.210	2856.545	12.175	-0.000	10.772	0.000	4.282	0.000	0.000	12.322	10.604	-35.224	MWD+IFR1+MS

3000.000	14.818	217.210	2953.220	12.514	-0.000	11.180	0.000	4.400	0.000	0.000	12.658	11.005	-34.430	MWD+IFR1+MS
3100.000	14.818	217.210	3049.894	12.858	-0.000	11.590	0.000	4.519	0.000	0.000	12.997	11.408	-33.592	MWD+IFR1+MS
3200.000	14.818	217.210	3146.568	13.205	-0.000	12.001	0.000	4.640	0.000	0.000	13.340	11.810	-32.710	MWD+IFR1+MS
3300.000	14.818	217.210	3243.242	13.555	-0.000	12.412	0.000	4.763	0.000	0.000	13.687	12.213	-31.781	MWD+IFR1+MS
3400.000	14.818	217.210	3339.917	13.907	-0.000	12.824	0.000	4.888	0.000	0.000	14.037	12.615	-30.804	MWD+IFR1+MS
3500.000	14.818	217.210	3436.591	14.262	-0.000	13.236	0.000	5.015	0.000	0.000	14.390	13.017	-29.778	MWD+IFR1+MS
3600.000	14.818	217.210	3533.265	14.620	-0.000	13.649	0.000	5.143	0.000	0.000	14.747	13.419	-28.702	MWD+IFR1+MS
3700.000	14.818	217.210	3629.939	14.980	-0.000	14.063	0.000	5.273	0.000	0.000	15.106	13.821	-27.577	MWD+IFR1+MS
3800.000	14.818	217.210	3726.614	15.342	-0.000	14.477	0.000	5.404	0.000	0.000	15.469	14.223	-26.404	MWD+IFR1+MS
3900.000	14.818	217.210	3823.288	15.706	-0.000	14.892	0.000	5.537	0.000	0.000	15.834	14.623	-25.182	MWD+IFR1+MS
4000.000	14.818	217.210	3919.962	16.072	-0.000	15.306	0.000	5.672	0.000	0.000	16.202	15.024	-23.914	MWD+IFR1+MS
4100.000	14.818	217.210	4016.636	16.439	-0.000	15.722	0.000	5.808	0.000	0.000	16.572	15.423	-22.604	MWD+IFR1+MS
4200.000	14.818	217.210	4113.311	16.808	-0.000	16.137	0.000	5.946	0.000	0.000	16.945	15.822	-21.255	MWD+IFR1+MS
4300.000	14.818	217.210	4209.985	17.178	-0.000	16.553	0.000	6.085	0.000	0.000	17.321	16.220	-19.872	MWD+IFR1+MS
4400.000	14.818	217.210	4306.659	17.550	-0.000	16.969	0.000	6.226	0.000	0.000	17.699	16.618	-18.460	MWD+IFR1+MS
4500.000	14.818	217.210	4403.333	17.923	-0.000	17.386	0.000	6.368	0.000	0.000	18.080	17.014	-17.027	MWD+IFR1+MS
4600.000	14.818	217.210	4500.008	18.298	-0.000	17.802	0.000	6.512	0.000	0.000	18.463	17.410	-15.578	MWD+IFR1+MS
4700.000	14.818	217.210	4596.682	18.673	-0.000	18.219	0.000	6.657	0.000	0.000	18.848	17.805	-14.122	MWD+IFR1+MS
4800.000	14.818	217.210	4693.356	19.050	-0.000	18.636	0.000	6.804	0.000	0.000	19.235	18.199	-12.666	MWD+IFR1+MS
4900.000	14.818	217.210	4790.031	19.427	-0.000	19.054	0.000	6.952	0.000	0.000	19.625	18.592	-11.219	MWD+IFR1+MS
5000.000	14.818	217.210	4886.705	19.806	-0.000	19.471	0.000	7.102	0.000	0.000	20.016	18.984	-9.787	MWD+IFR1+MS
5100.000	14.818	217.210	4983.379	20.185	-0.000	19.889	0.000	7.253	0.000	0.000	20.410	19.375	-8.378	MWD+IFR1+MS
5200.000	14.818	217.210	5080.053	20.565	-0.000	20.306	0.000	7.406	0.000	0.000	20.805	19.766	-6.997	MWD+IFR1+MS
5300.000	14.818	217.210	5176.728	20.947	-0.000	20.724	0.000	7.561	0.000	0.000	21.202	20.156	-5.651	MWD+IFR1+MS
5400.000	14.818	217.210	5273.402	21.328	-0.000	21.142	0.000	7.717	0.000	0.000	21.600	20.545	-4.344	MWD+IFR1+MS
5497.156	14.818	217.210	5367.326	21.700	-0.000	21.548	0.000	7.870	0.000	0.000	21.988	20.922	-3.112	MWD+IFR1+MS
5500.000	14.761	217.210	5370.076	21.712	-0.000	21.560	0.000	7.875	0.000	0.000	21.999	20.933	-3.075	MWD+IFR1+MS
5600.000	12.761	217.210	5467.201	22.147	-0.000	21.966	0.000	8.036	0.000	0.000	22.401	21.329	-2.704	MWD+IFR1+MS
5700.000	10.761	217.210	5565.097	22.637	-0.000	22.367	0.000	8.203	0.000	0.000	22.856	21.746	-4.738	MWD+IFR1+MS
5800.000	8.761	217.210	5663.644	23.091	-0.000	22.755	0.000	8.359	0.000	0.000	23.302	22.151	-6.740	MWD+IFR1+MS
5900.000	6.761	217.210	5762.723	23.507	-0.000	23.131	0.000	8.506	0.000	0.000	23.740	22.545	-8.685	MWD+IFR1+MS
6000.000	4.761	217.210	5862.213	23.885	-0.000	23.495	0.000	8.644	0.000	0.000	24.169	22.925	-10.548	MWD+IFR1+MS
6100.000	2.761	217.210	5961.992	24.226	-0.000	23.847	0.000	8.776	0.000	0.000	24.589	23.292	-12.311	MWD+IFR1+MS

6200.000	0.761	217.210	6061.940	24.529	-0.000	24.187	0.000	8.903	0.000	0.000	24.999	23.646	-13.961	MWD+IFR1+MS
6238.061	0.000	0.000	6100.000	23.846	0.000	25.037	0.000	8.950	0.000	0.000	25.113	23.766	-13.908	MWD+IFR1+MS
6300.000	0.000	0.000	6161.939	24.037	0.000	25.211	0.000	9.026	0.000	0.000	25.286	23.958	-13.973	MWD+IFR1+MS
6400.000	0.000	0.000	6261.939	24.347	0.000	25.497	0.000	9.151	0.000	0.000	25.573	24.267	-14.132	MWD+IFR1+MS
6500.000	0.000	0.000	6361.939	24.660	0.000	25.788	0.000	9.279	0.000	0.000	25.865	24.579	-14.389	MWD+IFR1+MS
6600.000	0.000	0.000	6461.939	24.975	0.000	26.080	0.000	9.409	0.000	0.000	26.159	24.892	-14.648	MWD+IFR1+MS
6700.000	0.000	0.000	6561.939	25.291	0.000	26.374	0.000	9.543	0.000	0.000	26.455	25.206	-14.908	MWD+IFR1+MS
6800.000	0.000	0.000	6661.939	25.608	0.000	26.669	0.000	9.678	0.000	0.000	26.752	25.522	-15.170	MWD+IFR1+MS
6900.000	0.000	0.000	6761.939	25.926	0.000	26.966	0.000	9.817	0.000	0.000	27.050	25.838	-15.434	MWD+IFR1+MS
7000.000	0.000	0.000	6861.939	26.245	0.000	27.265	0.000	9.959	0.000	0.000	27.351	26.156	-15.699	MWD+IFR1+MS
7100.000	0.000	0.000	6961.939	26.565	0.000	27.565	0.000	10.103	0.000	0.000	27.652	26.474	-15.966	MWD+IFR1+MS
7200.000	0.000	0.000	7061.939	26.886	0.000	27.866	0.000	10.250	0.000	0.000	27.955	26.794	-16.234	MWD+IFR1+MS
7300.000	0.000	0.000	7161.939	27.208	0.000	28.169	0.000	10.400	0.000	0.000	28.259	27.114	-16.503	MWD+IFR1+MS
7400.000	0.000	0.000	7261.939	27.531	0.000	28.473	0.000	10.553	0.000	0.000	28.565	27.435	-16.774	MWD+IFR1+MS
7500.000	0.000	0.000	7361.939	27.855	0.000	28.778	0.000	10.709	0.000	0.000	28.872	27.757	-17.046	MWD+IFR1+MS
7600.000	0.000	0.000	7461.939	28.180	0.000	29.084	0.000	10.868	0.000	0.000	29.180	28.080	-17.320	MWD+IFR1+MS
7700.000	0.000	0.000	7561.939	28.505	0.000	29.392	0.000	11.029	0.000	0.000	29.489	28.404	-17.595	MWD+IFR1+MS
7800.000	0.000	0.000	7661.939	28.831	0.000	29.700	0.000	11.194	0.000	0.000	29.800	28.729	-17.871	MWD+IFR1+MS
7900.000	0.000	0.000	7761.939	29.158	0.000	30.010	0.000	11.362	0.000	0.000	30.111	29.054	-18.148	MWD+IFR1+MS
8000.000	0.000	0.000	7861.939	29.486	0.000	30.321	0.000	11.532	0.000	0.000	30.424	29.380	-18.426	MWD+IFR1+MS
8100.000	0.000	0.000	7961.939	29.814	0.000	30.633	0.000	11.706	0.000	0.000	30.737	29.707	-18.705	MWD+IFR1+MS
8200.000	0.000	0.000	8061.939	30.143	0.000	30.946	0.000	11.883	0.000	0.000	31.052	30.034	-18.986	MWD+IFR1+MS
8300.000	0.000	0.000	8161.939	30.473	0.000	31.260	0.000	12.062	0.000	0.000	31.368	30.362	-19.267	MWD+IFR1+MS
8400.000	0.000	0.000	8261.939	30.804	0.000	31.575	0.000	12.245	0.000	0.000	31.684	30.691	-19.550	MWD+IFR1+MS
8500.000	0.000	0.000	8361.939	31.135	0.000	31.891	0.000	12.431	0.000	0.000	32.002	31.020	-19.833	MWD+IFR1+MS
8600.000	0.000	0.000	8461.939	31.466	0.000	32.207	0.000	12.620	0.000	0.000	32.321	31.350	-20.117	MWD+IFR1+MS
8700.000	0.000	0.000	8561.939	31.798	0.000	32.525	0.000	12.812	0.000	0.000	32.640	31.680	-20.402	MWD+IFR1+MS
8800.000	0.000	0.000	8661.939	32.131	0.000	32.843	0.000	13.007	0.000	0.000	32.960	32.011	-20.687	MWD+IFR1+MS
8900.000	0.000	0.000	8761.939	32.465	0.000	33.162	0.000	13.205	0.000	0.000	33.281	32.343	-20.974	MWD+IFR1+MS
9000.000	0.000	0.000	8861.939	32.798	0.000	33.482	0.000	13.407	0.000	0.000	33.603	32.675	-21.261	MWD+IFR1+MS
9100.000	0.000	0.000	8961.939	33.133	0.000	33.803	0.000	13.611	0.000	0.000	33.926	33.007	-21.548	MWD+IFR1+MS
9200.000	0.000	0.000	9061.939	33.468	0.000	34.125	0.000	13.819	0.000	0.000	34.249	33.340	-21.836	MWD+IFR1+MS
9300.000	0.000	0.000	9161.939	33.803	0.000	34.447	0.000	14.029	0.000	0.000	34.573	33.674	-22.125	MWD+IFR1+MS

9400.000	0.000	0.000	9261.939	34.139	0.000	34.770	0.000	14.243	0.000	0.000	34.898	34.008	-22.413	MWD+IFR1+MS
9500.000	0.000	0.000	9361.939	34.475	0.000	35.094	0.000	14.460	0.000	0.000	35.223	34.342	-22.703	MWD+IFR1+MS
9600.000	0.000	0.000	9461.939	34.812	0.000	35.418	0.000	14.680	0.000	0.000	35.550	34.677	-22.992	MWD+IFR1+MS
9700.000	0.000	0.000	9561.939	35.149	0.000	35.743	0.000	14.904	0.000	0.000	35.876	35.013	-23.282	MWD+IFR1+MS
9800.000	0.000	0.000	9661.939	35.487	0.000	36.068	0.000	15.130	0.000	0.000	36.204	35.348	-23.572	MWD+IFR1+MS
9900.000	0.000	0.000	9761.939	35.824	0.000	36.395	0.000	15.360	0.000	0.000	36.532	35.684	-23.862	MWD+IFR1+MS
10000.000	0.000	0.000	9861.939	36.163	0.000	36.722	0.000	15.593	0.000	0.000	36.861	36.021	-24.152	MWD+IFR1+MS
10100.000	0.000	0.000	9961.939	36.502	0.000	37.049	0.000	15.829	0.000	0.000	37.190	36.358	-24.442	MWD+IFR1+MS
10200.000	0.000	0.000	10061.939	36.841	0.000	37.377	0.000	16.068	0.000	0.000	37.520	36.695	-24.732	MWD+IFR1+MS
10300.000	0.000	0.000	10161.939	37.180	0.000	37.705	0.000	16.310	0.000	0.000	37.850	37.033	-25.021	MWD+IFR1+MS
10400.000	0.000	0.000	10261.939	37.520	0.000	38.035	0.000	16.556	0.000	0.000	38.181	37.371	-25.311	MWD+IFR1+MS
10500.000	0.000	0.000	10361.939	37.860	0.000	38.364	0.000	16.805	0.000	0.000	38.513	37.709	-25.600	MWD+IFR1+MS
10600.000	0.000	0.000	10461.939	38.201	0.000	38.694	0.000	17.057	0.000	0.000	38.845	38.047	-25.889	MWD+IFR1+MS
10700.000	0.000	0.000	10561.939	38.542	0.000	39.025	0.000	17.312	0.000	0.000	39.178	38.386	-26.178	MWD+IFR1+MS
10800.000	0.000	0.000	10661.939	38.883	0.000	39.356	0.000	17.570	0.000	0.000	39.511	38.726	-26.466	MWD+IFR1+MS
10900.000	0.000	0.000	10761.939	39.224	0.000	39.688	0.000	17.832	0.000	0.000	39.844	39.065	-26.754	MWD+IFR1+MS
11000.000	0.000	0.000	10861.939	39.566	0.000	40.020	0.000	18.096	0.000	0.000	40.178	39.405	-27.041	MWD+IFR1+MS
11100.000	0.000	0.000	10961.939	39.908	0.000	40.352	0.000	18.364	0.000	0.000	40.513	39.745	-27.328	MWD+IFR1+MS
11200.000	0.000	0.000	11061.939	40.250	0.000	40.685	0.000	18.635	0.000	0.000	40.848	40.085	-27.614	MWD+IFR1+MS
11300.000	0.000	0.000	11161.939	40.593	0.000	41.018	0.000	18.910	0.000	0.000	41.183	40.426	-27.899	MWD+IFR1+MS
11400.000	0.000	0.000	11261.939	40.936	0.000	41.352	0.000	19.187	0.000	0.000	41.519	40.767	-28.184	MWD+IFR1+MS
11500.000	0.000	0.000	11361.939	41.279	0.000	41.686	0.000	19.468	0.000	0.000	41.855	41.108	-28.468	MWD+IFR1+MS
11578.864	0.000	0.000	11440.803	41.549	0.000	41.949	0.000	19.691	0.000	0.000	42.118	41.377	-28.638	MWD+IFR1+MS
11600.000	1.691	359.785	11461.936	41.521	0.000	42.021	0.000	19.752	0.000	0.000	42.187	41.450	-28.683	MWD+IFR1+MS
11700.000	9.691	359.785	11561.362	41.391	0.000	42.343	0.000	20.047	0.000	0.000	42.651	42.001	-43.780	MWD+IFR1+MS
11800.000	17.691	359.785	11658.442	41.307	0.000	42.651	0.000	20.432	0.000	0.000	43.683	42.515	109.614	MWD+IFR1+MS
11900.000	25.691	359.785	11751.285	40.656	0.000	42.938	0.000	20.965	0.000	0.000	44.737	42.841	102.735	MWD+IFR1+MS
12000.000	33.691	359.785	11838.086	39.519	0.000	43.202	0.000	21.689	0.000	0.000	45.650	43.117	100.176	MWD+IFR1+MS
12100.000	41.691	359.785	11917.154	38.004	0.000	43.440	0.000	22.625	0.000	0.000	46.393	43.359	99.000	MWD+IFR1+MS
12200.000	49.691	359.785	11986.950	36.258	0.000	43.651	0.000	23.768	0.000	0.000	46.961	43.571	98.460	MWD+IFR1+MS
12300.000	57.691	359.785	12046.116	34.463	0.000	43.835	0.000	25.092	0.000	0.000	47.364	43.753	98.291	MWD+IFR1+MS
12400.000	65.691	359.785	12093.500	32.840	0.000	43.992	0.000	26.556	0.000	0.000	47.620	43.905	98.376	MWD+IFR1+MS
12500.000	73.691	359.785	12128.181	31.633	0.000	44.121	0.000	28.111	0.000	0.000	47.758	44.029	98.640	MWD+IFR1+MS

12600.000	81.691	359.785	12149.482	31.069	0.000	44.223	0.000	29.701	0.000	0.000	47.813	44.124	99.013	MWD+IFR1+MS
12703.864	90.000	359.785	12157.000	31.448	0.000	44.300	0.000	31.448	0.000	0.000	47.828	44.194	99.420	MWD+IFR1+MS
12800.000	90.000	359.785	12157.000	31.997	0.000	44.364	0.000	31.997	0.000	0.000	47.838	44.252	99.781	MWD+IFR1+MS
12900.000	90.000	359.785	12157.000	32.190	0.000	44.448	0.000	32.190	0.000	0.000	47.848	44.329	100.215	MWD+IFR1+MS
13000.000	90.000	359.785	12157.000	32.402	0.000	44.550	0.000	32.402	0.000	0.000	47.861	44.422	100.715	MWD+IFR1+MS
13100.000	90.000	359.785	12157.000	32.631	0.000	44.669	0.000	32.631	0.000	0.000	47.875	44.531	101.291	MWD+IFR1+MS
13200.000	90.000	359.785	12157.000	32.877	0.000	44.804	0.000	32.877	0.000	0.000	47.891	44.656	101.957	MWD+IFR1+MS
13300.000	90.000	359.785	12157.000	33.140	0.000	44.957	0.000	33.140	0.000	0.000	47.909	44.795	102.732	MWD+IFR1+MS
13400.000	90.000	359.785	12157.000	33.420	0.000	45.126	0.000	33.420	0.000	0.000	47.930	44.950	103.637	MWD+IFR1+MS
13500.000	90.000	359.785	12157.000	33.715	0.000	45.312	0.000	33.715	0.000	0.000	47.954	45.118	104.703	MWD+IFR1+MS
13600.000	90.000	359.785	12157.000	34.026	0.000	45.514	0.000	34.026	0.000	0.000	47.982	45.300	105.966	MWD+IFR1+MS
13700.000	90.000	359.785	12157.000	34.352	0.000	45.732	0.000	34.352	0.000	0.000	48.015	45.493	107.477	MWD+IFR1+MS
13800.000	90.000	359.785	12157.000	34.693	0.000	45.966	0.000	34.693	0.000	0.000	48.054	45.697	109.301	MWD+IFR1+MS
13900.000	90.000	359.785	12157.000	35.048	0.000	46.215	0.000	35.048	0.000	0.000	48.101	45.909	111.518	MWD+IFR1+MS
14000.000	90.000	359.785	12157.000	35.417	0.000	46.480	0.000	35.417	0.000	0.000	48.159	46.126	114.229	MWD+IFR1+MS
14100.000	90.000	359.785	12157.000	35.799	0.000	46.760	0.000	35.799	0.000	0.000	48.231	46.344	117.544	MWD+IFR1+MS
14200.000	90.000	359.785	12157.000	36.194	0.000	47.055	0.000	36.194	0.000	0.000	48.322	46.560	121.560	MWD+IFR1+MS
14300.000	90.000	359.785	12157.000	36.602	0.000	47.364	0.000	36.602	0.000	0.000	48.438	46.765	126.308	MWD+IFR1+MS
14400.000	90.000	359.785	12157.000	37.022	0.000	47.688	0.000	37.022	0.000	0.000	48.585	46.954	131.670	MWD+IFR1+MS
14500.000	90.000	359.785	12157.000	37.454	0.000	48.025	0.000	37.454	0.000	0.000	48.770	47.120	-42.658	MWD+IFR1+MS
14600.000	90.000	359.785	12157.000	37.897	0.000	48.377	0.000	37.897	0.000	0.000	48.994	47.261	-37.105	MWD+IFR1+MS
14700.000	90.000	359.785	12157.000	38.351	0.000	48.741	0.000	38.351	0.000	0.000	49.257	47.377	-32.047	MWD+IFR1+MS
14800.000	90.000	359.785	12157.000	38.815	0.000	49.119	0.000	38.815	0.000	0.000	49.555	47.472	-27.688	MWD+IFR1+MS
14900.000	90.000	359.785	12157.000	39.290	0.000	49.510	0.000	39.290	0.000	0.000	49.883	47.550	-24.054	MWD+IFR1+MS
15000.000	90.000	359.785	12157.000	39.774	0.000	49.913	0.000	39.774	0.000	0.000	50.237	47.615	-21.070	MWD+IFR1+MS
15100.000	90.000	359.785	12157.000	40.268	0.000	50.328	0.000	40.268	0.000	0.000	50.614	47.671	-18.628	MWD+IFR1+MS
15200.000	90.000	359.785	12157.000	40.771	0.000	50.755	0.000	40.771	0.000	0.000	51.009	47.720	-16.620	MWD+IFR1+MS
15300.000	90.000	359.785	12157.000	41.283	0.000	51.193	0.000	41.283	0.000	0.000	51.422	47.764	-14.956	MWD+IFR1+MS
15400.000	90.000	359.785	12157.000	41.804	0.000	51.643	0.000	41.804	0.000	0.000	51.851	47.804	-13.565	MWD+IFR1+MS
15500.000	90.000	359.785	12157.000	42.332	0.000	52.104	0.000	42.332	0.000	0.000	52.294	47.841	-12.390	MWD+IFR1+MS
15600.000	90.000	359.785	12157.000	42.868	0.000	52.576	0.000	42.868	0.000	0.000	52.751	47.876	-11.387	MWD+IFR1+MS
15700.000	90.000	359.785	12157.000	43.412	0.000	53.058	0.000	43.412	0.000	0.000	53.220	47.910	-10.525	MWD+IFR1+MS
15800.000	90.000	359.785	12157.000	43.964	0.000	53.550	0.000	43.964	0.000	0.000	53.701	47.943	-9.776	MWD+IFR1+MS

15900.000	90.000	359.785	12157.000	44.522	0.000	54.052	0.000	44.522	0.000	0.000	54.193	47.975	-9.122	MWD+IFR1+MS
16000.000	90.000	359.785	12157.000	45.087	0.000	54.564	0.000	45.087	0.000	0.000	54.696	48.006	-8.545	MWD+IFR1+MS
16100.000	90.000	359.785	12157.000	45.658	0.000	55.085	0.000	45.658	0.000	0.000	55.209	48.037	-8.034	MWD+IFR1+MS
16200.000	90.000	359.785	12157.000	46.236	0.000	55.615	0.000	46.236	0.000	0.000	55.733	48.068	-7.578	MWD+IFR1+MS
16300.000	90.000	359.785	12157.000	46.820	0.000	56.154	0.000	46.820	0.000	0.000	56.265	48.098	-7.169	MWD+IFR1+MS
16400.000	90.000	359.785	12157.000	47.409	0.000	56.702	0.000	47.409	0.000	0.000	56.807	48.129	-6.801	MWD+IFR1+MS
16500.000	90.000	359.785	12157.000	48.004	0.000	57.257	0.000	48.004	0.000	0.000	57.358	48.160	-6.467	MWD+IFR1+MS
16600.000	90.000	359.785	12157.000	48.605	0.000	57.821	0.000	48.605	0.000	0.000	57.917	48.191	-6.163	MWD+IFR1+MS
16700.000	90.000	359.785	12157.000	49.211	0.000	58.393	0.000	49.211	0.000	0.000	58.485	48.222	-5.887	MWD+IFR1+MS
16800.000	90.000	359.785	12157.000	49.821	0.000	58.972	0.000	49.821	0.000	0.000	59.060	48.254	-5.633	MWD+IFR1+MS
16900.000	90.000	359.785	12157.000	50.437	0.000	59.559	0.000	50.437	0.000	0.000	59.643	48.285	-5.400	MWD+IFR1+MS
17000.000	90.000	359.785	12157.000	51.057	0.000	60.153	0.000	51.057	0.000	0.000	60.234	48.318	-5.185	MWD+IFR1+MS
17100.000	90.000	359.785	12157.000	51.682	0.000	60.754	0.000	51.682	0.000	0.000	60.831	48.350	-4.986	MWD+IFR1+MS
17200.000	90.000	359.785	12157.000	52.311	0.000	61.361	0.000	52.311	0.000	0.000	61.436	48.383	-4.801	MWD+IFR1+MS
17300.000	90.000	359.785	12157.000	52.944	0.000	61.975	0.000	52.944	0.000	0.000	62.047	48.416	-4.630	MWD+IFR1+MS
17400.000	90.000	359.785	12157.000	53.581	0.000	62.596	0.000	53.581	0.000	0.000	62.665	48.450	-4.470	MWD+IFR1+MS
17500.000	90.000	359.785	12157.000	54.222	0.000	63.223	0.000	54.222	0.000	0.000	63.290	48.484	-4.321	MWD+IFR1+MS
17600.000	90.000	359.785	12157.000	54.867	0.000	63.855	0.000	54.867	0.000	0.000	63.920	48.519	-4.182	MWD+IFR1+MS
17700.000	90.000	359.785	12157.000	55.515	0.000	64.494	0.000	55.515	0.000	0.000	64.557	48.554	-4.051	MWD+IFR1+MS
17800.000	90.000	359.785	12157.000	56.167	0.000	65.138	0.000	56.167	0.000	0.000	65.199	48.589	-3.928	MWD+IFR1+MS
17900.000	90.000	359.785	12157.000	56.822	0.000	65.788	0.000	56.822	0.000	0.000	65.847	48.626	-3.813	MWD+IFR1+MS
18000.000	90.000	359.785	12157.000	57.480	0.000	66.443	0.000	57.480	0.000	0.000	66.500	48.662	-3.704	MWD+IFR1+MS
18100.000	90.000	359.785	12157.000	58.142	0.000	67.103	0.000	58.142	0.000	0.000	67.158	48.699	-3.601	MWD+IFR1+MS
18200.000	90.000	359.785	12157.000	58.806	0.000	67.768	0.000	58.806	0.000	0.000	67.822	48.737	-3.503	MWD+IFR1+MS
18300.000	90.000	359.785	12157.000	59.474	0.000	68.438	0.000	59.474	0.000	0.000	68.490	48.775	-3.411	MWD+IFR1+MS
18400.000	90.000	359.785	12157.000	60.144	0.000	69.113	0.000	60.144	0.000	0.000	69.164	48.813	-3.324	MWD+IFR1+MS
18500.000	90.000	359.785	12157.000	60.817	0.000	69.792	0.000	60.817	0.000	0.000	69.842	48.853	-3.241	MWD+IFR1+MS
18600.000	90.000	359.785	12157.000	61.493	0.000	70.476	0.000	61.493	0.000	0.000	70.524	48.892	-3.162	MWD+IFR1+MS
18700.000	90.000	359.785	12157.000	62.172	0.000	71.164	0.000	62.172	0.000	0.000	71.211	48.932	-3.087	MWD+IFR1+MS
18800.000	90.000	359.785	12157.000	62.852	0.000	71.856	0.000	62.852	0.000	0.000	71.902	48.973	-3.016	MWD+IFR1+MS
18900.000	90.000	359.785	12157.000	63.536	0.000	72.553	0.000	63.536	0.000	0.000	72.598	49.014	-2.948	MWD+IFR1+MS
19000.000	90.000	359.785	12157.000	64.221	0.000	73.253	0.000	64.221	0.000	0.000	73.297	49.056	-2.883	MWD+IFR1+MS
19100.000	90.000	359.785	12157.000	64.909	0.000	73.957	0.000	64.909	0.000	0.000	74.000	49.099	-2.821	MWD+IFR1+MS

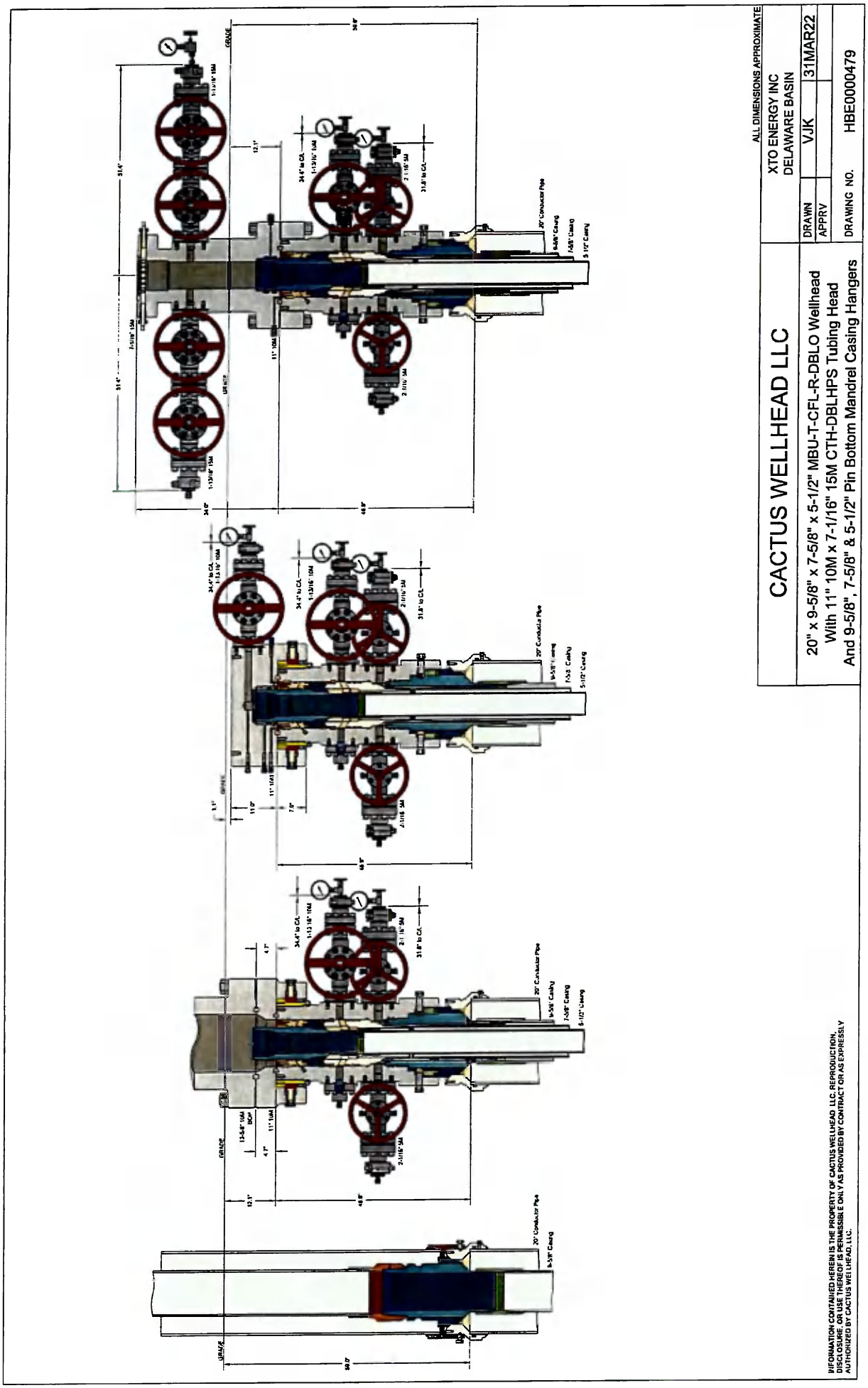
19200.000	90.000	359.785	12157.000	65.599	0.000	74.665	0.000	65.599	0.000	0.000	74.707	49.141	-2.761	MWD+IFR1+MS
19300.000	90.000	359.785	12157.000	66.291	0.000	75.377	0.000	66.291	0.000	0.000	75.418	49.185	-2.704	MWD+IFR1+MS
19400.000	90.000	359.785	12157.000	66.985	0.000	76.092	0.000	66.985	0.000	0.000	76.132	49.229	-2.650	MWD+IFR1+MS
19500.000	90.000	359.785	12157.000	67.681	0.000	76.811	0.000	67.681	0.000	0.000	76.850	49.273	-2.598	MWD+IFR1+MS
19600.000	90.000	359.785	12157.000	68.379	0.000	77.533	0.000	68.379	0.000	0.000	77.571	49.318	-2.548	MWD+IFR1+MS
19700.000	90.000	359.785	12157.000	69.079	0.000	78.258	0.000	69.079	0.000	0.000	78.295	49.364	-2.499	MWD+IFR1+MS
19800.000	90.000	359.785	12157.000	69.780	0.000	78.986	0.000	69.780	0.000	0.000	79.023	49.410	-2.453	MWD+IFR1+MS
19900.000	90.000	359.785	12157.000	70.484	0.000	79.718	0.000	70.484	0.000	0.000	79.754	49.457	-2.409	MWD+IFR1+MS
20000.000	90.000	359.785	12157.000	71.189	0.000	80.452	0.000	71.189	0.000	0.000	80.487	49.504	-2.366	MWD+IFR1+MS
20100.000	90.000	359.785	12157.000	71.896	0.000	81.190	0.000	71.896	0.000	0.000	81.224	49.552	-2.324	MWD+IFR1+MS
20200.000	90.000	359.785	12157.000	72.604	0.000	81.930	0.000	72.604	0.000	0.000	81.964	49.600	-2.285	MWD+IFR1+MS
20300.000	90.000	359.785	12157.000	73.314	0.000	82.673	0.000	73.314	0.000	0.000	82.706	49.649	-2.246	MWD+IFR1+MS
20400.000	90.000	359.785	12157.000	74.026	0.000	83.418	0.000	74.026	0.000	0.000	83.451	49.698	-2.209	MWD+IFR1+MS
20500.000	90.000	359.785	12157.000	74.738	0.000	84.166	0.000	74.738	0.000	0.000	84.198	49.748	-2.173	MWD+IFR1+MS
20600.000	90.000	359.785	12157.000	75.453	0.000	84.917	0.000	75.453	0.000	0.000	84.949	49.798	-2.139	MWD+IFR1+MS
20700.000	90.000	359.785	12157.000	76.168	0.000	85.670	0.000	76.168	0.000	0.000	85.701	49.849	-2.106	MWD+IFR1+MS
20800.000	90.000	359.785	12157.000	76.886	0.000	86.426	0.000	76.886	0.000	0.000	86.456	49.901	-2.073	MWD+IFR1+MS
20900.000	90.000	359.785	12157.000	77.604	0.000	87.184	0.000	77.604	0.000	0.000	87.214	49.953	-2.042	MWD+IFR1+MS
21000.000	90.000	359.785	12157.000	78.324	0.000	87.944	0.000	78.324	0.000	0.000	87.974	50.005	-2.012	MWD+IFR1+MS
21100.000	90.000	359.785	12157.000	79.044	0.000	88.707	0.000	79.044	0.000	0.000	88.736	50.058	-1.982	MWD+IFR1+MS
21200.000	90.000	359.785	12157.000	79.767	0.000	89.472	0.000	79.767	0.000	0.000	89.500	50.112	-1.954	MWD+IFR1+MS
21300.000	90.000	359.785	12157.000	80.490	0.000	90.238	0.000	80.490	0.000	0.000	90.266	50.166	-1.927	MWD+IFR1+MS
21400.000	90.000	359.785	12157.000	81.214	0.000	91.007	0.000	81.214	0.000	0.000	91.035	50.221	-1.900	MWD+IFR1+MS
21500.000	90.000	359.785	12157.000	81.940	0.000	91.778	0.000	81.940	0.000	0.000	91.805	50.276	-1.874	MWD+IFR1+MS
21600.000	90.000	359.785	12157.000	82.666	0.000	92.551	0.000	82.666	0.000	0.000	92.577	50.332	-1.849	MWD+IFR1+MS
21700.000	90.000	359.785	12157.000	83.394	0.000	93.326	0.000	83.394	0.000	0.000	93.352	50.388	-1.824	MWD+IFR1+MS
21800.000	90.000	359.785	12157.000	84.123	0.000	94.102	0.000	84.123	0.000	0.000	94.128	50.445	-1.801	MWD+IFR1+MS
21900.000	90.000	359.785	12157.000	84.852	0.000	94.881	0.000	84.852	0.000	0.000	94.906	50.502	-1.778	MWD+IFR1+MS
22000.000	90.000	359.785	12157.000	85.583	0.000	95.661	0.000	85.583	0.000	0.000	95.686	50.560	-1.755	MWD+IFR1+MS
22100.000	90.000	359.785	12157.000	86.315	0.000	96.443	0.000	86.315	0.000	0.000	96.467	50.618	-1.733	MWD+IFR1+MS
22200.000	90.000	359.785	12157.000	87.047	0.000	97.227	0.000	87.047	0.000	0.000	97.251	50.677	-1.712	MWD+IFR1+MS
22300.000	90.000	359.785	12157.000	87.781	0.000	98.012	0.000	87.781	0.000	0.000	98.036	50.737	-1.691	MWD+IFR1+MS
22400.000	90.000	359.785	12157.000	88.515	0.000	98.799	0.000	88.515	0.000	0.000	98.822	50.796	-1.671	MWD+IFR1+MS

22500.000	90.000	359.785	12157.000	89.250	0.000	99.587	0.000	89.250	0.000	0.000	99.610	50.857	-1.652	MWD+IFR1+MS
22600.000	90.000	359.785	12157.000	89.986	0.000	100.377	0.000	89.986	0.000	0.000	100.400	50.918	-1.633	MWD+IFR1+MS
22700.000	90.000	359.785	12157.000	90.723	0.000	101.169	0.000	90.723	0.000	0.000	101.191	50.979	-1.614	MWD+IFR1+MS
22800.000	90.000	359.785	12157.000	91.461	0.000	101.962	0.000	91.461	0.000	0.000	101.984	51.041	-1.596	MWD+IFR1+MS
22900.000	90.000	359.785	12157.000	92.199	0.000	102.756	0.000	92.199	0.000	0.000	102.778	51.104	-1.578	MWD+IFR1+MS
23000.000	90.000	359.785	12157.000	92.938	0.000	103.552	0.000	92.938	0.000	0.000	103.573	51.167	-1.561	MWD+IFR1+MS
23100.000	90.000	359.785	12157.000	93.678	0.000	104.349	0.000	93.678	0.000	0.000	104.370	51.230	-1.544	MWD+IFR1+MS
23200.000	90.000	359.785	12157.000	94.419	0.000	105.147	0.000	94.419	0.000	0.000	105.168	51.294	-1.528	MWD+IFR1+MS
23300.000	90.000	359.785	12157.000	95.160	0.000	105.947	0.000	95.160	0.000	0.000	105.968	51.358	-1.512	MWD+IFR1+MS
23400.000	90.000	359.785	12157.000	95.902	0.000	106.748	0.000	95.902	0.000	0.000	106.769	51.423	-1.496	MWD+IFR1+MS
23500.000	90.000	359.785	12157.000	96.645	0.000	107.550	0.000	96.645	0.000	0.000	107.571	51.489	-1.481	MWD+IFR1+MS
23600.000	90.000	359.785	12157.000	97.388	0.000	108.354	0.000	97.388	0.000	0.000	108.374	51.555	-1.466	MWD+IFR1+MS
23700.000	90.000	359.785	12157.000	98.132	0.000	109.159	0.000	98.132	0.000	0.000	109.178	51.621	-1.451	MWD+IFR1+MS
23800.000	90.000	359.785	12157.000	98.877	0.000	109.965	0.000	98.877	0.000	0.000	109.984	51.688	-1.437	MWD+IFR1+MS
23900.000	90.000	359.785	12157.000	99.622	0.000	110.772	0.000	99.622	0.000	0.000	110.791	51.756	-1.423	MWD+IFR1+MS
24000.000	90.000	359.785	12157.000	100.368	0.000	111.580	0.000	100.368	0.000	0.000	111.599	51.824	-1.409	MWD+IFR1+MS
24100.000	90.000	359.785	12157.000	101.115	0.000	112.389	0.000	101.115	0.000	0.000	112.408	51.892	-1.396	MWD+IFR1+MS
24200.000	90.000	359.785	12157.000	101.862	0.000	113.199	0.000	101.862	0.000	0.000	113.218	51.961	-1.383	MWD+IFR1+MS
24300.000	90.000	359.785	12157.000	102.609	0.000	114.011	0.000	102.609	0.000	0.000	114.029	52.030	-1.370	MWD+IFR1+MS
24400.000	90.000	359.785	12157.000	103.357	0.000	114.823	0.000	103.357	0.000	0.000	114.841	52.100	-1.358	MWD+IFR1+MS
24500.000	90.000	359.785	12157.000	104.106	0.000	115.636	0.000	104.106	0.000	0.000	115.654	52.170	-1.345	MWD+IFR1+MS
24600.000	90.000	359.785	12157.000	104.855	0.000	116.451	0.000	104.855	0.000	0.000	116.468	52.241	-1.333	MWD+IFR1+MS
24700.000	90.000	359.785	12157.000	105.605	0.000	117.266	0.000	105.605	0.000	0.000	117.283	52.313	-1.322	MWD+IFR1+MS
24800.000	90.000	359.785	12157.000	106.355	0.000	118.082	0.000	106.355	0.000	0.000	118.099	52.384	-1.310	MWD+IFR1+MS
24900.000	90.000	359.785	12157.000	107.106	0.000	118.899	0.000	107.106	0.000	0.000	118.916	52.457	-1.299	MWD+IFR1+MS
25000.000	90.000	359.785	12157.000	107.857	0.000	119.717	0.000	107.857	0.000	0.000	119.734	52.529	-1.288	MWD+IFR1+MS
25100.000	90.000	359.785	12157.000	108.609	0.000	120.536	0.000	108.609	0.000	0.000	120.553	52.603	-1.277	MWD+IFR1+MS
25200.000	90.000	359.785	12157.000	109.361	0.000	121.356	0.000	109.361	0.000	0.000	121.373	52.676	-1.266	MWD+IFR1+MS
25300.000	90.000	359.785	12157.000	110.114	0.000	122.177	0.000	110.114	0.000	0.000	122.193	52.750	-1.256	MWD+IFR1+MS
25400.000	90.000	359.785	12157.000	110.867	0.000	122.998	0.000	110.867	0.000	0.000	123.014	52.825	-1.246	MWD+IFR1+MS
25500.000	90.000	359.785	12157.000	111.620	0.000	123.821	0.000	111.620	0.000	0.000	123.837	52.900	-1.236	MWD+IFR1+MS
25600.000	90.000	359.785	12157.000	112.374	0.000	124.644	0.000	112.374	0.000	0.000	124.659	52.975	-1.226	MWD+IFR1+MS
25700.000	90.000	359.785	12157.000	113.129	0.000	125.467	0.000	113.129	0.000	0.000	125.483	53.051	-1.216	MWD+IFR1+MS

25800.000	90.000	359.785	12157.000	113.883	0.000	126.292	0.000	113.883	0.000	0.000	126.308	53.128	-1.207	MWD+IFR1+MS
25900.000	90.000	359.785	12157.000	114.639	0.000	127.118	0.000	114.639	0.000	0.000	127.133	53.205	-1.197	MWD+IFR1+MS
26000.000	90.000	359.785	12157.000	115.394	0.000	127.944	0.000	115.394	0.000	0.000	127.959	53.282	-1.188	MWD+IFR1+MS
26100.000	90.000	359.785	12157.000	116.150	0.000	128.771	0.000	116.150	0.000	0.000	128.786	53.360	-1.179	MWD+IFR1+MS
26200.000	90.000	359.785	12157.000	116.906	0.000	129.598	0.000	116.906	0.000	0.000	129.613	53.438	-1.170	MWD+IFR1+MS
26300.000	90.000	359.785	12157.000	117.663	0.000	130.426	0.000	117.663	0.000	0.000	130.441	53.517	-1.162	MWD+IFR1+MS
26400.000	90.000	359.785	12157.000	118.420	0.000	131.255	0.000	118.420	0.000	0.000	131.270	53.596	-1.153	MWD+IFR1+MS
26500.000	90.000	359.785	12157.000	119.178	0.000	132.085	0.000	119.178	0.000	0.000	132.099	53.675	-1.145	MWD+IFR1+MS
26600.000	90.000	359.785	12157.000	119.935	0.000	132.915	0.000	119.935	0.000	0.000	132.930	53.755	-1.137	MWD+IFR1+MS
26700.000	90.000	359.785	12157.000	120.693	0.000	133.746	0.000	120.693	0.000	0.000	133.760	53.836	-1.129	MWD+IFR1+MS
26800.000	90.000	359.785	12157.000	121.452	0.000	134.578	0.000	121.452	0.000	0.000	134.592	53.917	-1.121	MWD+IFR1+MS
26900.000	90.000	359.785	12157.000	122.211	0.000	135.410	0.000	122.211	0.000	0.000	135.424	53.998	-1.113	MWD+IFR1+MS
27000.000	90.000	359.785	12157.000	122.970	0.000	136.243	0.000	122.970	0.000	0.000	136.257	54.080	-1.105	MWD+IFR1+MS
27100.000	90.000	359.785	12157.000	123.729	0.000	137.076	0.000	123.729	0.000	0.000	137.090	54.162	-1.098	MWD+IFR1+MS
27200.000	90.000	359.785	12157.000	124.489	0.000	137.910	0.000	124.489	0.000	0.000	137.924	54.244	-1.090	MWD+IFR1+MS
27300.000	90.000	359.785	12157.000	125.249	0.000	138.745	0.000	125.249	0.000	0.000	138.758	54.327	-1.083	MWD+IFR1+MS
27400.000	90.000	359.785	12157.000	126.009	0.000	139.580	0.000	126.009	0.000	0.000	139.593	54.411	-1.076	MWD+IFR1+MS
27500.000	90.000	359.785	12157.000	126.770	0.000	140.415	0.000	126.770	0.000	0.000	140.429	54.495	-1.069	MWD+IFR1+MS
27600.000	90.000	359.785	12157.000	127.531	0.000	141.252	0.000	127.531	0.000	0.000	141.265	54.579	-1.062	MWD+IFR1+MS
27700.000	90.000	359.785	12157.000	128.292	0.000	142.088	0.000	128.292	0.000	0.000	142.101	54.664	-1.055	MWD+IFR1+MS
27800.000	90.000	359.785	12157.000	129.054	0.000	142.926	0.000	129.054	0.000	0.000	142.939	54.749	-1.048	MWD+IFR1+MS
27900.000	90.000	359.785	12157.000	129.816	0.000	143.763	0.000	129.816	0.000	0.000	143.776	54.834	-1.042	MWD+IFR1+MS
28000.000	90.000	359.785	12157.000	130.578	0.000	144.602	0.000	130.578	0.000	0.000	144.614	54.920	-1.035	MWD+IFR1+MS
28100.000	90.000	359.785	12157.000	131.340	0.000	145.441	0.000	131.340	0.000	0.000	145.453	55.007	-1.029	MWD+IFR1+MS
28200.000	90.000	359.785	12157.000	132.103	0.000	146.280	0.000	132.103	0.000	0.000	146.292	55.093	-1.022	MWD+IFR1+MS
28300.000	90.000	359.785	12157.000	132.866	0.000	147.120	0.000	132.866	0.000	0.000	147.132	55.180	-1.016	MWD+IFR1+MS
28400.000	90.000	359.785	12157.000	133.629	0.000	147.960	0.000	133.629	0.000	0.000	147.972	55.268	-1.010	MWD+IFR1+MS
28500.000	90.000	359.785	12157.000	134.392	0.000	148.801	0.000	134.392	0.000	0.000	148.813	55.356	-1.004	MWD+IFR1+MS
28600.000	90.000	359.785	12157.000	135.156	0.000	149.642	0.000	135.156	0.000	0.000	149.654	55.444	-0.998	MWD+IFR1+MS
28703.577	90.000	359.785	12157.000	135.947	0.000	150.514	0.000	135.947	0.000	0.000	150.526	55.536	-0.992	MWD+IFR1+MS
28803.739	90.000	359.785	12157.000	136.712	0.000	151.357	0.000	136.712	0.000	0.000	151.369	55.626	-0.986	MWD+IFR1+MS

Plan Targets POKER LAKE UNIT 22 DTD 107H

Target Name	Measured Depth (ft)	Grid Northing (ft)	Grid Easting (ft)	TVD MSL (ft)	Target Shape
FTP 16	12703.77	440097.50	644881.50	8695.00	RECTANGLE
LTP 16	28703.58	456097.10	644821.50	8695.00	RECTANGLE
BHL 16	28803.58	456197.10	644821.00	8695.00	RECTANGLE



ALL DIMENSIONS APPROXIMATE

CACTUS WELLHEAD LLC	XTO ENERGY INC DELAWARE BASIN
20" x 9-5/8" x 7-5/8" x 5-1/2" MBU-T-CFL-R-DBLO Wellhead With 11" 10M x 7-1/16" 15M CTH-DBLHPS Tubing Head And 9-5/8", 7-5/8" & 5-1/2" Pin Bottom Mandrel Casing Hangers	DRAWN: VJK 31MAR22 APPRV: DRAWING NO. HBE0000479

U. S. Steel Tubular Products

2/22/2022 2:07:15 PM

6.000" 26.00lb/ft (0.436" Wall) P110 HP USS-FREEDOM HTQ®

MECHANICAL PROPERTIES	Pipe	USS-FREEDOM HTQ®		–
Minimum Yield Strength	125,000	–	psi	–
Maximum Yield Strength	140,000	–	psi	–
Minimum Tensile Strength	130,000	–	psi	–
DIMENSIONS	**Pipe**	**USS-FREEDOM HTQ®**		**–**
Outside Diameter	6.000	6.875	in.	–
Wall Thickness	0.436	–	in.	–
Inside Diameter	5.128	5.128	in.	–
Standard Drift	5.003	5.003	in.	–
Alternate Drift	–	–	in.	–
Nominal Linear Weight, T&C	26.00	–	lb/ft	–
Plain End Weight	25.93	–	lb/ft	–
SECTION AREA	**Pipe**	**USS-FREEDOM HTQ®**		**–**
Critical Area	7.621	7.621	sq. in.	–
Joint Efficiency	–	100.0	%	–
PERFORMANCE	**Pipe**	**USS-FREEDOM HTQ®**		**–**
Minimum Collapse Pressure	15,550	15,550	psi	–
Minimum Internal Yield Pressure	15,920	15,920	psi	–
Minimum Pipe Body Yield Strength	953,000	–	lb	–
Joint Strength	–	953,000	lb	–
Compression Rating	–	953,000	lb	–
Reference Length [4]	–	24,492	ft	–
Maximum Uniaxial Bend Rating [2]	–	95.5	deg/100 ft	–
MAKE-UP DATA	**Pipe**	**USS-FREEDOM HTQ®**		**–**
Make-Up Loss	–	4.31	in.	–
Minimum Make-Up Torque [3]	–	15,000	ft-lb	–
Maximum Make-Up Torque [3]	–	21,000	ft-lb	–
Maximum Operating Torque[3]	–	44,000	ft-lb	–

UNCONTROLLED

Notes

1. Other than proprietary collapse and connection values, performance properties have been calculated using standard equations defined by API 5C3 and do not incorporate any additional design or safety factors. Calculations assume nominal pipe OD, nominal wall thickness, and Specified Minimum Yield Strength (SMYS).
2. Uniaxial bending rating shown is structural only, and equal to compression efficiency.
3. Torques have been calculated assuming a thread compound friction factor of 1.0 and are recommended only. Field make-up torques may require adjustment based on actual field conditions (e.g. make-up speed, temperature, thread compound, etc.).
4. Reference length is calculated by joint strength divided by plain end weight with 1.5 safety factor.

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connections@uss.com
www.usstubular.com

U. S. Steel Tubular Products

3/27/2021 1:46:58 PM

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

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

UNCONTROLLED

Notes

1. Other than proprietary collapse and connection values, performance properties have been calculated using standard equations defined by API 5C3 and do not incorporate any additional design or safety factors. Calculations assume nominal pipe OD, nominal wall thickness, and Specified Minimum Yield Strength (SMYS).
2. Joint efficiencies are calculated by dividing the connection critical area by the pipe body area.
3. Uniaxial bend rating shown is structural only.
4. Torques have been calculated assuming a thread compound friction factor of 1.0 and are recommended only. Field make-up torques may require adjustment based on actual field conditions (e.g. make-up speed, temperature, thread compound, etc.).
5. Reference length is calculated by Joint Strength divided by Nominal Linear Weight, T&C with a 1.5 Safety factor.
6. Coupling must meet minimum mechanical properties of the pipe.

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Subject: Request for a Variance Allowing break Testing of the Blowout Preventer Equipment (BOPE)

XTO Energy requests a variance to ONLY test broken pressure seals on the BOPE and function test BOP when skidding a drilling rig between multiple wells on a pad.

Background

Onshore Oil and Gas Order CFR Title 43 Part 3170, Drilling Operations, Sections III.A.2.i.iv.B states that the BOP test must be performed whenever any seal subject to test pressure is broken. The current interpretation of the Bureau of Land Management (BLM) requires a complete BOP test and not just a test of the affected component. CFR Title 43 Part 3170 states, "Some situation may exist either on a well-by- well basis or field-wide basis whereby it is commonly accepted practice to vary a particular minimum standard(s) established in this order. This situation can be resolved by requesting a variance...". XTO Energy feels the break testing the BOPE is such a situation. Therefore, as per CFR Title 43 Part 3170, XTO Energy submits this request for the variance.

Supporting Documentation

CFR Title 43 Part 3170 became effective on December 19, 1988 and has remained the standard for regulating BLM onshore drilling operations for over 30 years. During this time there have been significant changes in drilling technology. BLM continues to use the variance request process to allow for the use of modern technology and acceptable engineering practices that have arisen since CFR Title 43 Part 3170 was originally released. The XTO Energy drilling rig fleet has many modern upgrades that allow the intact BOP stack to be moved between well slots on a multi-well pad, as well as, wellhead designs that incorporate quick connects facilitating release of the BOP from the wellhead without breaking any BOP stack components apart. These technologies have been used extensively offshore, and other regulators, API, and many operators around the world have endorsed break testing as safe and reliable.

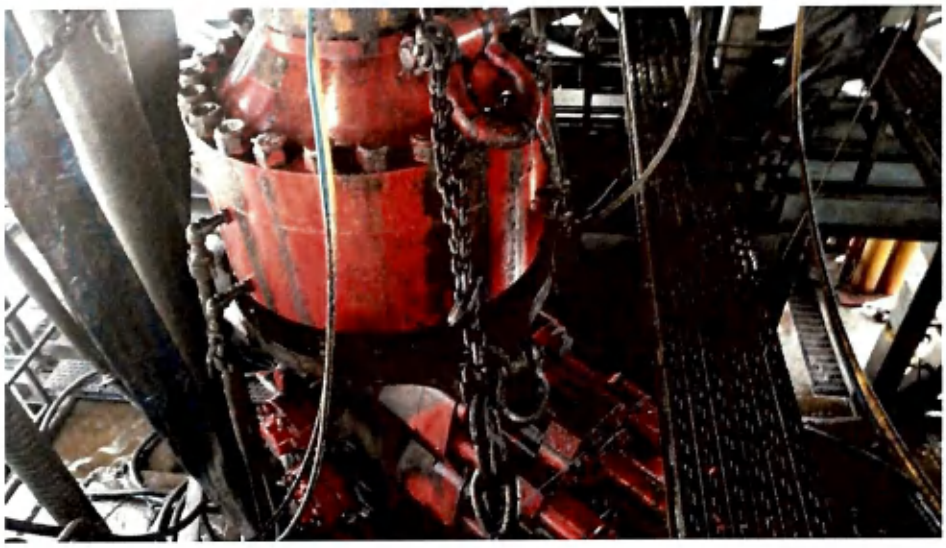


Figure 1: Winch System attached to BOP Stack

Figure 2: BOP Winch System

American Petroleum Institute (API) standards, specification and recommended practices are considered the industry standard and are consistently utilized and referenced by the industry. CFR Title 43 Part 3170recognizes API recommended Practices (RP) 53 in its original development. API Standard 53, *Well Control Equipment Systems for Drilling Wells* (Fifth Edition, December 2018, Annex C, Table C.4) recognizes break testing as an acceptable practice. Specifically, API Standard 53, Section 5.3.7.1 states "A pressure test of the pressure containing component shall be performed following the disconnection or repair, limited to the affected component." See Table C.4 below for reference.

62 API STANDARD 53

Table C.4—Initial Pressure Testing. Surface BOP Stacks

Component to be Pressure Tested	Pressure Test—Low Pressure[a,c] psig (MPa)	Pressure Test—High Pressure[a,c]	
		Change Out of Component, Elastomer, or Ring Gasket	No Change Out of Component, Elastomer, or Ring Gasket
Annular preventer[b]	250 to 350 (1.72 to 2.41)	RWP of annular preventer	MASP or 70% annular RWP, whichever is lower
Fixed pipe, variable bore, blind, and BSR preventers[b,d]	250 to 350 (1.72 to 2.41)	RWP of ram preventer or wellhead system, whichever is lower	ITP
Choke and kill line and BOP side outlet valves below ram preventers (both sides)	250 to 350 (1.72 to 2.41)	RWP of side outlet valve or wellhead system, whichever is lower	ITP
Choke manifold—upstream of chokes[e]	250 to 350 (1.72 to 2.41)	RWP of ram preventers or wellhead system, whichever is lower	ITP
Choke manifold—downstream of chokes[e]	250 to 350 (1.72 to 2.41)	RWP of valve(s), line(s), or MASP for the well program, whichever is lower	
Kelly, kelly valves, drill pipe safety valves, IBOPs	250 to 350 (1.72 to 2.41)	MASP for the well program	

[a] Pressure test evaluation periods shall be a minimum of five minutes.
No visible leaks.
The pressure shall remain stable during the evaluation period. The pressure shall not decrease below the intended test pressure.

[b] Annular(s) and VBR(s) shall be pressure tested on the largest and smallest OD drill pipe to be used in well program.

[c] For pad drilling operations, moving from one wellhead to another within the 21 days, pressure testing is required for pressure-containing and pressure-controlling connections when the integrity of a pressure seal is broken.

[d] For surface offshore operations, the ram BOPs shall be pressure tested with the ram locks engaged and the closing and locking pressure vented during the initial test. For land operations, the ram BOPs shall be pressure tested with the ram locks engaged and the closing and locking pressure vented at commissioning and annually.

[e] Adjustable chokes are not required to be full sealing devices. Pressure testing against a closed choke is not required.

The Bureau of Safety and Environmental Enforcement (BSEE), Department of Interior, has also utilized the API standards, specification and best practices in the development of its offshore oil and gas regulations and incorporates them by reference within its regulations.

Break testing has been approved by the BLM in the past with other operators based on the detailed information provided in this document.

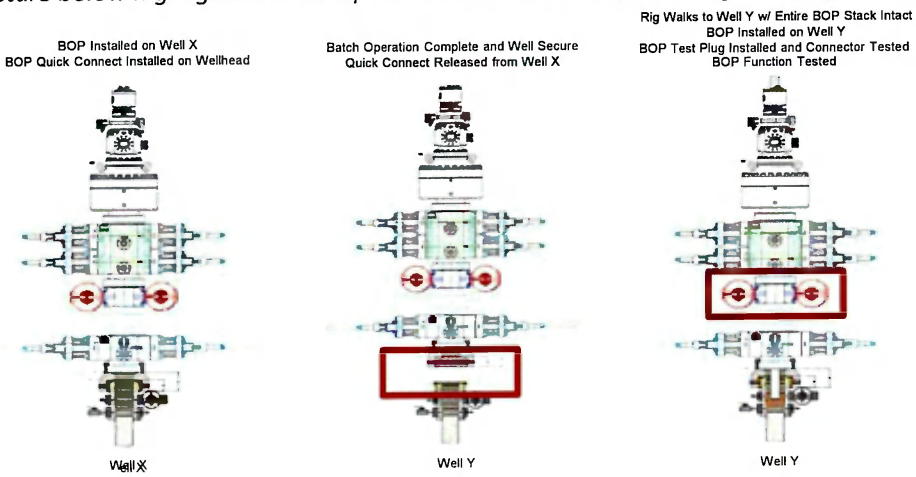
XTO Energy feels break testing and our current procedures meet the intent of CFR Title 43 Part 317 0and often exceed it. There has been no evidence that break testing results in more components failing than seen on full BOP tests. XTO Energy's internal standards requires complete BOPE tests more often than that of CFR Title 43 Part 3170 (Every 21 days). In addition to function testing the annular, pipe rams and blind rams after
each BOP nipple up, XTO Energy performs a choke drill with the rig crew prior to drilling out every casing shoe. This is additional training for the rig crew that exceeds the requirements of the CFR Title 43 Part 3170.

Procedures

1. XTO Energy will use this document for our break testing plan for New Mexico Delaware basin. The summary below will be referenced in the APD or Sundry Notice and receive approval prior to implementing this variance.
2. XTO Energy will perform BOP break testing on multi-wells pads where multiple intermediate sections can be drilled and cased within the 21-day BOP test window.
    a. A full BOP test will be conducted on the first well on the pad.
    b. The first intermediate hole section drilled on the pad will be the deepest. All of the remaining hole sections will be the same depth or shallower.
        i. Our Lower WC targets set the intermediate casing shoe no deeper than the Wolfcamp B.
        ii. Our Upper WC targets set the intermediate casing shoe shallower than the Wolfcamp B.
    c. A Full BOP test will be required if the intermediate hole section being drilled has a MASP over 5M.
    d. A full BOP test will be required prior to drilling any production hole.
3. After performing a complete BOP test on the first well, the intermediate hole section will be drilled and cased, two breaks would be made on the BOP equipment.
    a. Between the HCV valve and choke line connection
    b. Between the BOP quick connect and the wellhead
4. The BOP is then lifted and removed from the wellhead by a hydraulic system.
5. After skidding to the next well, the BOP is moved to the wellhead by the same hydraulic system and installed.
6. The connections mentioned in 3a and 3b will then be reconnected.
7. Install test plug into the wellhead using test joint or drill pipe.
8. A shell test is performed against the upper pipe rams testing the two breaks.
9. The shell test will consist of a 250 psi low test and a high test to the value submitted in the APD or Sundry (e.g. 5,000 psi or 10,000psi).
10. Function test will be performed on the following components: lower pipe rams, blind rams, and annular.

11. For a multi-well pad the same two breaks on the BOP would be made and on the next wells and steps 4 through 10 would be repeated.
12. A second break test would only be done if the intermediate hole section being drilled could not be completed within the 21 day BOP test window.

Note: Picture below highlights BOP components that will be tested during batch operations



Summary

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.

The BOP will be secured by a hydraulic carrier or cradle. The BLM will be contacted if a Well Control event occurs prior to the commencement of a BOPE Break Testing operation.

Based on discussions with the BLM on February 27th 2020 and the supporting documentation submitted to the BLM, 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.

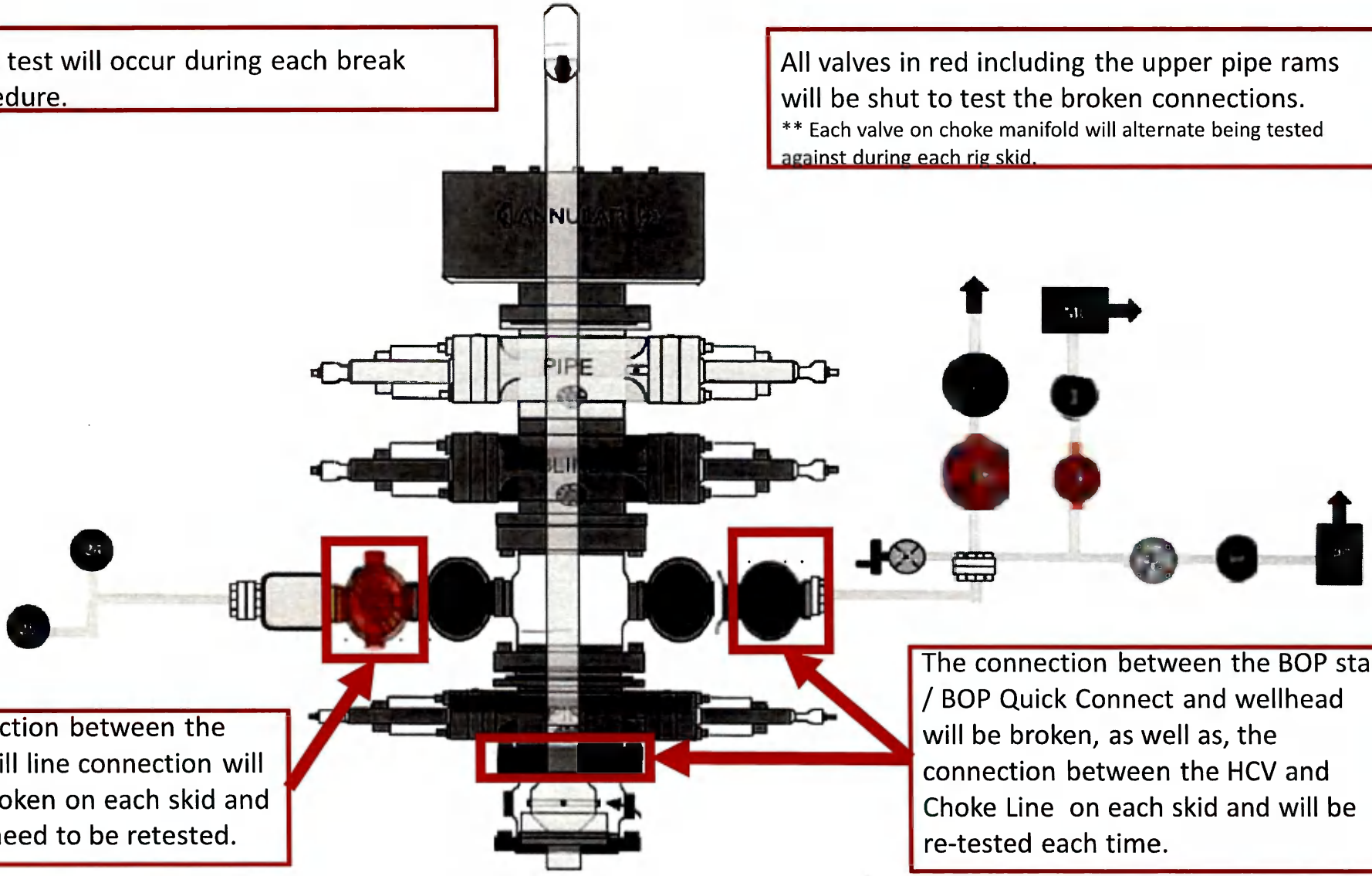
2. The first intermediate hole section drilled on the pad will be the deepest. All of the remaining hole sections will be the same depth or shallower.

3. Full BOP test will be required if the intermediate hole section being drilled has a MASP over 5M.

4. Full BOP test will be required prior to drilling the production hole.

Only **ONE** test will occur during each break test procedure.

All valves in red including the upper pipe rams will be shut to test the broken connections.
** Each valve on choke manifold will alternate being tested against during each rig skid.



The connection between the HCV and kill line connection will **NOT** be broken on each skid and does not need to be retested.

The connection between the BOP stack / BOP Quick Connect and wellhead will be broken, as well as, the connection between the HCV and Choke Line on each skid and will be re-tested each time.

Well Control Procedures

Below are the minimal high-level tasks prescribed to assure a proper shut-in while drilling, tripping, running casing, pipe out of the hole (open hole), and moving the BHA through the BOPs. At least one well control drill will be performed weekly per crew to demonstrate compliance with the procedure and well control plan. The well control drill will be recorded in the daily drilling log. The type of drill will be determined by the ongoing operations, but reasonable attempts will be made to vary the type of drill conducted (pit, trip, open hole, choke, etc.). This well control plan will be available for review by rig personnel in the XTO Energy/Permian Operating drilling supervisor's office on location and on the rig floor. All BOP equipment will be tested as per Onshore O&G Order No. 2 with the exception of the 5000 psi annular which will be tested to 70% of its RWP.

General Procedure While Drilling

1. Sound alarm (alert crew)
2. Space out drill string
3. Shut down pumps (stop pumps and rotary)
4. Shut-in well (uppermost applicable BOP, typically annular preventer, first. HCR & choke will already be in the closed position.)
5. Confirm shut-in
6. Notify toolpusher/company representative
7. Read and record the following:
    a. SIDPP & SICP
    b. Pit gain
    c. Time
8. Regroup and identify forward plan

9. If pressure has built or is anticipated during the kill to reach 70% or greater of the RWP of the annular preventer, confirm spacing and close the upper variable bore rams.

General Procedure While Tripping

1. Sound alarm (alert crew)
2. Stab full-opening safety valve & close
3. Space out drill string
4. Shut-in well (uppermost applicable BOP, typically annular preventer, first. HCR & choke will already be in the closed position.)
5. Confirm shut-in
6. Notify toolpusher/company representative
7. Read and record the following:
    a. SIDPP & SICP
    b. Pit gain
    c. Time
8. Regroup and identify forward plan
9. If pressure has built or is anticipated during the kill to reach 70% of the RWP of the annular preventer, confirm spacing and close the upper variable bore rams.

General Procedure While Running Production Casing

1. Sound alarm (alert crew)
2. Stab crossover and full-opening safety valve and close
3. Space out string
4. Shut-in well (uppermost applicable BOP, typically annular preventer, first. HCR & choke will already be in the closed position.)
5. Confirm shut-in
6. Notify toolpusher/company representative
7. Read and record the following:
    a. SIDPP & SICP
    b. Pit gain
    c. Time
8. Regroup and identify forward plan
9. If pressure has built or is anticipated during the kill to reach 70% or greater of the RWP of the annular preventer, confirm spacing and close the upper variable bore rams.

General Procedure With No Pipe In Hole (Open Hole)

1. Sound alarm (alert crew)
2. Shut-in with blind rams (HCR & choke will already be in the closed position)
3. Confirm shut-in
4. Notify toolpusher/company representative
5. Read and record the following:
    a. SICP
    b. Pit gain
    c. Time
6. Regroup and identify forward plan

General Procedures While Pulling BHA Through Stack

1. PRIOR to pulling last joint of drillpipe through stack:
    a. Perform flow check. If flowing, continue to (b).
    b. Sound alarm (alert crew)
    c. Stab full-opening safety valve and close
    d. Space out drill string with tool joint just beneath the upper variable bore rams
    e. Shut-in using upper variable bore rams (HCR & choke will already be in the closed position)
    f. Confirm shut-in
    g. Notify toolpusher/company representative
    h. Read and record the following:
        i. SIDPP & SICP
        ii. Pit gain
        iii. Time
    i. Regroup and identify forward plan
2. With BHA in the stack and compatible ram preventer and pipe combination immediately available:
    a. Sound alarm (alert crew)
    b. Stab crossover and full-opening safety valve and close
    c. Space out drill string with upset just beneath the upper variable bore rams
    d. Shut-in using upper variable bore rams (HCR & choke will already be in the closed position)
    e. Confirm shut-in
    f. Notify toolpusher/company representative
    g. Read and record the following:
        i. SIDPP & SICP

ii. Pit gain
iii. Time

h. Regroup and identify forward plan

3. With BHA in the stack and NO compatible ram preventer and pipe combination immediately available:
   a. Sound alarm (alert crew)
   b. If possible, pull string clear of the stack and follow "Open Hole" procedure.
   c. If impossible to pull string clear of the stack:
   d. Stab crossover, make up one joint/stand of drillpipe and full-opening safety valve and close
   e. Space out drill string with tooljoint just beneath the upper variable bore ram
   f. Shut-in using upper variable bore ram (HCR & choke will already be in the closed position)
   g. Confirm shut-in
   h. Notify toolpusher/company representative
   i. Read and record the following:
      i. SIDPP & SICP
      ii. Pit gain
      iii. Time
   j. Regroup and identify forward plan

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
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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	[2] Pool Code	[3] Pool Name
30-015-49861	98220	Purple Sage; Wolfcamp (gas)

[4] Property Code	[5] Property Name	[6] Well Number
333192	POKER LAKE UNIT 22 DTD	107H

[7] OGRID No.	[8] Operator Name	[9] Elevation
373075	XTO PERMIAN OPERATING, LLC.	3,430'

[10] Surface Location

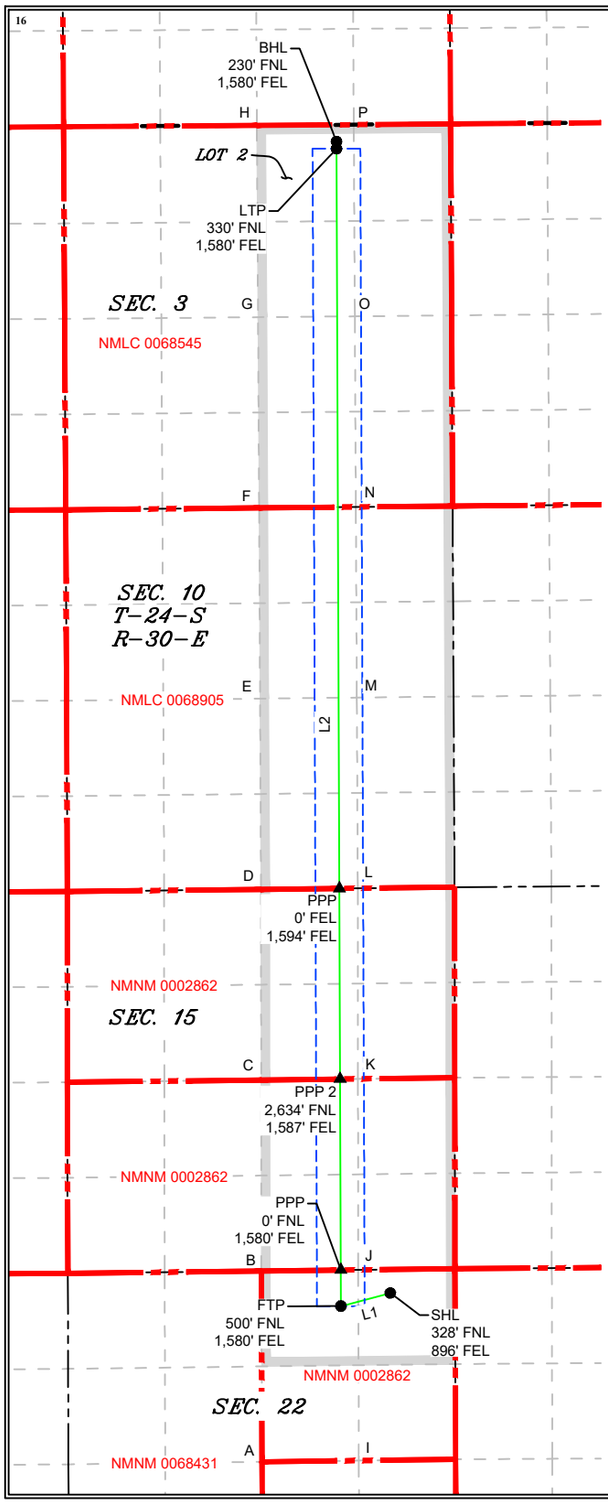
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	22	24S	30E		328	NORTH	896	EAST	EDDY

[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
2	3	24S	30E		230	NORTH	1,580	EAST	EDDY

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
960.90			

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.



LEGEND

- SECTION LINE
- PROPOSED WELL BORE
- NEW MEXICO MINERAL LEASE
- 330' BUFFER
- ALLOCATION AREA

LOT ACREAGE TABLE
SECTION 3
T-24-S, R-30-E
LOT 3 = 40.45 ACRES

LINE TABLE		
LINE	AZUMITH	LENGTH
L1	255°13'04"	706.70'
L2	359°46'57"	16,100.14'

COORDINATE TABLE

	SHL (NAD 83 NME)	SHL (NAD 27 NME)
Y =	440,336.8 N	440,277.8 N
X =	686,748.6 E	645,564.9 E
LAT. =	32.209689 °N	32.209565 °N
LONG. =	103.863176 °W	103.862690 °W

	FTP (NAD 83 NME)	FTP (NAD 27 NME)
Y =	440,156.50 N	440,097.50 N
X =	686,085.30 E	644,881.50 E
LAT. =	32.209201 °N	32.209077 °N
LONG. =	103.86539 °W	103.8649 °W

	PPP (NAD 83 NME)	PPP (NAD 27 NME)
Y =	440,656.5 N	440,597.5 N
X =	686,063.6 E	644,879.9 E
LAT. =	32.210576 °N	32.210452 °N
LONG. =	103.865386 °W	103.864900 °W

	PPP #2 (NAD 83 NME)	PPP #2 (NAD 27 NME)
Y =	443,296.6 N	443,237.5 N
X =	686,053.6 E	644,870.0 E
LAT. =	32.217833 °N	32.217709 °N
LONG. =	103.865382 °W	103.864895 °W

	PPP #3 (NAD 83 NME)	PPP #3 (NAD 27 NME)
Y =	445,931.0 N	445,871.8 N
X =	686,043.6 E	644,860.1 E
LAT. =	32.225074 °N	32.224950 °N
LONG. =	103.865377 °W	103.864890 °W

	LTP (NAD 83 NME)	LTP (NAD 27 NME)
Y =	456,156.5 N	456,097.1 N
X =	686,004.7 E	644,821.5 E
LAT. =	32.253183 °N	32.253059 °N
LONG. =	103.865359 °W	103.864870 °W

	BHL (NAD 83 NME)	BHL (NAD 27 NME)
Y =	456,256.5 N	456,197.1 N
X =	686,004.2 E	644,821.0 E
LAT. =	32.253458 °N	32.253334 °N
LONG. =	103.865359 °W	103.864870 °W

CORNER COORDINATES (NAD 83 NME)

A - Y =	438,006.2 N	A - X =	684,975.6 E
B - Y =	440,643.4 N	B - X =	684,967.0 E
C - Y =	443,283.9 N	C - X =	684,964.0 E
D - Y =	445,919.0 N	D - X =	684,961.1 E
E - Y =	448,555.1 N	E - X =	684,948.3 E
F - Y =	451,191.5 N	F - X =	684,935.6 E
G - Y =	453,827.3 N	G - X =	684,920.4 E
H - Y =	456,477.6 N	H - X =	684,905.1 E
I - Y =	438,023.6 N	I - X =	686,313.8 E
J - Y =	440,659.4 N	J - X =	686,305.3 E
K - Y =	443,299.5 N	K - X =	686,302.1 E
L - Y =	445,933.8 N	L - X =	686,299.5 E
M - Y =	448,569.4 N	M - X =	686,286.2 E
N - Y =	451,204.3 N	N - X =	686,272.7 E
O - Y =	453,839.4 N	O - X =	686,258.5 E
P - Y =	456,488.5 N	P - X =	686,244.0 E

CORNER COORDINATES (NAD 27 NME)

A - Y =	437,947.2 N	A - X =	643,791.8 E
B - Y =	440,584.3 N	B - X =	643,783.3 E
C - Y =	443,224.8 N	C - X =	643,780.4 E
D - Y =	445,859.8 N	D - X =	643,777.5 E
E - Y =	448,495.9 N	E - X =	643,764.9 E
F - Y =	451,132.1 N	F - X =	643,752.2 E
G - Y =	453,767.9 N	G - X =	643,737.2 E
H - Y =	456,418.1 N	H - X =	643,722.0 E
I - Y =	437,964.6 N	I - X =	645,129.8 E
J - Y =	440,600.4 N	J - X =	645,121.6 E
K - Y =	443,240.3 N	K - X =	645,118.5 E
L - Y =	445,874.6 N	L - X =	645,116.0 E
M - Y =	448,510.1 N	M - X =	645,102.8 E
N - Y =	451,145.0 N	N - X =	645,089.3 E
O - Y =	453,780.0 N	O - X =	645,075.3 E
P - Y =	456,429.0 N	P - X =	645,060.9 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.

Rusty Klein 11-10-23
Signature Date

RUSTY KLEIN
Printed Name

ranell.klein@exxonmobil.com
E-mail Address

[18] SURVEYOR CERTIFICATION

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

10-31-2023
Date of Survey

Signature and Seal of Professional Surveyor:

MARK DILLON HARP NEW MEXICO 23786 PROFESSIONAL SURVEYOR

MARK DILLON HARP 23786
Certificate Number

KC/AI/RP 618.013003.08-06

C:\618.013 XTO Energy - NM\003 Poker Lake Unit\08 - PLU 22 DTD - EDDY\Wells\06 - PLU 22 DTD - 107H\DWG\107H C-102.dwg

Intent [X] As Drilled [ ]

API #
30015

Operator Name:	Property Name:	Well Number
XTO PERMIAN OPERATING, LLC	Poker Lake Unit 22 DTD	107H

Kick Off Point (KOP)

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

Latitude	Longitude	NAD

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
B	22	24S	30E		500	North	1,580	East	Eddy

Latitude	Longitude	NAD
32.209201	103.86539	83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
2	3	24S	30E		330	North	1,580	East	Eddy

Latitude	Longitude	NAD
32.253183	103.865359	83

Is this well the defining well for the Horizontal Spacing Unit? [ ]

Is this well an infill well? [ ]

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

API #

Operator Name:	Property Name:	Well Number

KZ 06/29/2018

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 308874

CONDITIONS

Operator: XTO PERMIAN OPERATING LLC. 6401 HOLIDAY HILL ROAD MIDLAND, TX 79707	OGRID: 373075
	Action Number: 308874
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	All original COA's still apply. Additionally, if cement is not circulated to surface during cementing of any string, then a CBL is required.	2/1/2024